

BID CLARIFICATION: QUESTIONS AND ANSWERS

BID NUMBER:GAAL/111/2024/2025DESCRIPTION:PROVISIONING,INSTALLATIONANDCONFIGURATION/COMMISSIONING OF TELEPHONE LINES, BACKUPANDDATA LINE.

NO	QUESTIONS	GAAL RESPONSES
	 Why are they switching from digital to analogue (Is it based on the CAA regulation)? Do they also require digital ? 	 The conversion from digital to analogue connectivity will be implemented at the tower only, as the current infrastructure/system used by the tower is analogue. Call recording functionality is a requirement for all the lines, as per SACAA regulations. Digital infrastructure/system with call recording functionality must be implemented at the following buildings (JOC, New Terminal, Fire and Rescue buildings) excluding the tower which requires Analogue system with call recording function, as per
		specification requirements.



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3.	. What is the	existing	intercom	3.	There is no existing intercom
sy	ystem and	Which	Intercom		system in place. The supplier
Sy	ystem is require	ed?			must provide 2 switchboard
					devices/phones with an
					expansion module for the new
					terminal building-information desk
					and the control room at Fire and
					Rescue building. Intercom system
					at information desk-new terminal
					building and control room at Fire
					and Rescue building should have
					a functionality for
					announcements/making
					announcements using speakers
					and all the lines/individual phones
					should have a functionality for
					paging/intercom.
				4.	The current PBX must not be
					considered as a baseline for this
					solution.
4.	. What is the cu	urrent PB	Х?	_	No there is no need for call
				ວ.	No, there is no need for call
5	Do thou pood		ontro?		center.
5.	. Do they need	a Call Ce	entre ?	6	Additional talaphana linaa will ba
				0.	Additional telephone lines will be installed, as and when requested,
6.	. For Additional	l telephor	ne lines -		as per specification requirements.
			Page	2 of 7	



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7. Based on the 100mbps (do they require 100mbps at each site). Electrical, JOC, Safety, Maintenance, Fire and Rescue Section, (old and new terminal Buildings?

8. What is the total number of old and new terminal buildings?

9. When does the contract come to an end with their existing service provider?

10. How many Point to Point (Microwave Link) require to be installed and what capacity / Mbps is required at each site. Will there be a specific frequency required based on the CAA?

- No, 100 MBPS dataline will be shared amongst all the buildings, as per specification requirements.
- Old terminal building consists of three (3) separate buildings (Finance, HR and SCM) and new terminal building consist of only one main building.
- The current contractual agreement of a PBX is within RT15-2021 transversal contract, which can be terminated with a Three (3) months' notice.
- 10. It must be at the supplier discretion on how many point-topoint links to use based on their offered solution in line with the specification requirement. There is no specific frequency per SACAA regulations, however, the supplier must consider that the airport is a national key point, next to the military base, where there is a lot of interference of signals.



links be wireless or fibre?requirements.2. What maintenance and support required? Only on VoIP system or the entire network?2. Maintenance and support will be required on the entire solution to be implemented by the supplier.3. What is the existing point-to- point medium used between SCM, HR, Finance and Terminal building?3. Wireless point-to-point connectivity with a mixture of cambium antennas and beams.4. Should the firewalls and switches be configured to cater for the new VoIP system? Should the above be supported and maintained as well (firewalls and switches)?4. The is a service provider in place, for provisioning and maintenance of firewall. The Sophos firewall and switches in place are already configured, and the supplier will be provided with subnets for VOIP.3.1. Does the current building have an intercom system?1. No, there is no intercom system in place.			Interference of signals must be
11. How many Network Points are required?11. It must be at the supplier discretion based on their offered solution in line with the specification requirement.2.1. Should the point-to-point links be wireless or fibre? 2. What maintenance and support required? Only on VoIP system or the entire network?1.Fiber as per specification requirements.3.What is the existing point-to- point medium used between SCM, HR, Finance and Terminal building?1. Wireless point-to-point connectivity with a mixture of cambium antennas and beams.4.Should the firewalls and switches be configured to cater for the new VoIP system? Should the above be supported and maintained as well (firewalls and switches)?4. The is a service provider in place, for provisioning and maintenance of firewall. The Sophos firewall and switches in place are already configured, and the supplier will be provided with subnets for VOIP.3.1. Does the current building have an intercom system?1. No, there is no intercom system in place.			considered on frequency to be
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place.	5.		
		have an intercom system?	
Page 4 of 7 • GATEWAY TO THE REST OF AFRICA •			



	2. Does the intercom have to	2. Yes, the intercom must be
	integrate with or work	integrated with the new
	through the new PABX /	PABX/Telephone system.
	Telephone system?	
	3. Do you only need a voice	3. Call recording functionality must be enabled on all the lines for both inbound
	recording on outgoing and	and outbound calls, as per the
	incoming calls, or do you	specification requirements.
	want to voice record the	
	extensions as well?	
	4. For those buildings which	4. Photos of the server cabinets cannot
	have existing network	be provided for security reasons.
	infrastructure- please could	
	photos of the cabinets be	
	sent to us.	
4.	1. Are you open to using another	1. No, the current firewall in place is
	firewall service other than Sophos?	Sophos, as per GAAL's current ICT
		infrastructure.
	2. Would you be interested in	2. No, the requirement is for on-premises
	Mobile PBX as well and call	solution for compliance with SACAA
	recording.	regulations, as per specification
		requirements.
5.	1. Do we need to provide Teltrace?	1. The provider must quote as per
		specification requirements.



	2. How may PSTN line (Please provide all DN numbers) currently have and how many users?	2. GAAL does not have PSTN lines, the supplier will be providing a new solution as per specification requirements.
6.	1. Please provide with SACAA regulation being referred to?	Find the below SACAA regulation. 172.03.4 FACILITY REQUIREMENTS
		172.03.4. Section 6.(9) www.caa.co.za Included below is snap from the SACAA webpage.





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CIVIL AVIATION AUTHORITY 6. Aerodrome control tower An aerodrome control tower shall have – (1) headsets; (2) microphones; (3) transceivers; (4) speakers; (5) radio selector panel; (6) telephone; (7) intercom; (8) auto-switch headset/speaker; (9) recorder (radio and telephone); (10) power; (10) power; (11) back-up power; (12) wind speed and direction display; (13) altimeter setting indicator; (14) clock. in accordance with section 10 below; (15) aerodrome lighting panel; (16) navaid(s) monitor panel; (17) lighting. including emergency lights;	A	A
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