



Independent Communications Authority of South Africa

Pinmill Farm, 164 Katherine Street, Sandton
Private Bag X10002, Sandton, 2146

Annexure A

Technical Specifications ICASA 11/2018

1. Purpose and Scope

With ICASA Head Office relocating to Centurion, the plan is to minimise any system downtime to less than 24 hours by having much of the IT infrastructure in place and working prior to the move. The intention appoint a vendor to supply 2 new Switches that are compatible with ICASA's existing networking systems.

2. Briefing Session

There will be no briefing session.

3. Mandatory Conditions

The following are mandatory conditions for the proposed solution:

Condition	Comply YES	Do not Comply NO
Network switches must seamlessly integrate to existing CISCO infrastructure (Cisco switches, px Grid, PRIME, ISE) – Respondent to provide supporting information		
The new core switch does not have any GBIC modules. The intention is to use these existing CISCO GBIC modules on the new switch (to reduce costs). As such the new core switch must be able to use the existing GBIC modules – Respondent to provide supporting information		



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Network switches must support EIGRP protocol – Respondent to provide supporting information		
Delivery of both network switches by 15 October 2018		
Network switches must be ICASA type approved - Respondent to provide supporting information		

4. Evaluation of the Bids

The received bids will be evaluated on the 80/20 procurement principle as per the Supply Chain Management Policy and the relevant Treasury Regulations. The following evaluation approach will be applied:

- Phase 1 will be the screening of mandatory requirements, ensuring compliance thereof and evaluation of specific goals.
- Phase 2 will be evaluation on functionality
- Phase 3 will be evaluation on price and BBEE

Functionality Evaluation Criteria	Weights	Scoring Criteria
Provide a minimum of 3 Customer references where similar services have been rendered successfully. Provide a physical address, contact numbers(s) and email address of references.	30	1 = No response 2 = 1 positive response 3 = 2 positive responses 4 = 3 positive responses 5 = 3+ positive responses
Vendor awarded certification relevant to this project e.g. Partner status	30	1 = no certification 5 = Relevant certification



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System Engineer to be certified on vendor product (OEM) and also have CISCO CCIE certification to integrate to existing ICASA network – Certification must be provided	40	1 = no certification 3 = only 1 certification 5 = Relevant certification
Total	100	Minimum threshold is 80

Only bidders who passed the threshold of 80/100 for functionality will be evaluated further for price and BBBEE.



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Annexure A Specification

2 x network switches specifications

Line Number	Item Name	Description	Service Duration (Months)	Quantity	Price
SWITCH 1	16 port fibre switch	Catalyst 9500 16-port switch OR Equivalent		1	
1.0	C9500-16X-2Q-A	Catalyst 9500 16-port 10G, 2-port 40G switch	N/A	1	
1.1	C9500-NW-A	C9500 Network Stack, Advantage	N/A	1	
1.2	SFP-10G-SR-S	10GBASE-SR SFP Module, Enterprise-Class	N/A	16	
1.3	C9500-NM-2Q	Cisco Catalyst 9500 2 x 40GE Network Module	N/A	1	
1.4	S9500UK9-168	UNIVERSAL	N/A	1	
1.5	PWR-C4-950WAC-R	950W AC Config 4 Power Supply front to back cooling	N/A	1	
1.6	PWR-C4-950WAC-R/2	950W AC Config 4 Power Supply front to back cooling	N/A	1	
1.7	CAB-C15-CBN	Cabinet Jumper Power Cord, 250 VAC 13A, C14-C15 Connectors	N/A	2	
1.8	C1A1TCAT95002	Cisco ONE Advantage 12Q/16X C9500 Low Term	N/A	1	
1.8.0.1	C1A1TCAT95002-5Y	C1 Advantage Low Term C9500 5Y - DNA, 25 ISE PLS, 25 SWATCH	60	1	
1.9	C1-C9500-12-DNAA-T	Cisco ONE C9500 DNA Advantage 12Q/16X Term licenses	N/A	1	
1.9.0.1	C1-C9500-TRK-5Y	Cisco ONE Subscription SKU 5Y	60	1	
1.10	C1-SWATCH-T	Cisco ONE StealthWatch License Term - 1 Flow License	N/A	25	
1.10.0.1	C1-SWATCH-TRK-5Y	Cisco ONE Subscription SWATCH SKU 5Y	60	25	
1.11	C1-ISE-BASE-T	Cisco ONE ISE BASE License Term	N/A	25	
1.11.0.1	C1-ISE-BASE-TRK-5Y	Cisco ONE Subscription ISE BASE 5Y	60	25	
1.12	C1-ISE-PLS-T	Cisco ONE ISE PLUS License Term	N/A	25	
1.12.0.1	C1-ISE-PLS-TRK-5Y	Cisco ONE Subscription SKU ISE Plus 5Y	60	25	
1.0.1	CON-SNTP-C95K2QA9	SNTP-24X7X4 Catalyst 9500 16-por	60	1	
SWITCH 2	Core chassis based switch	Nexus 9504 Chassis with 4 linecard slots OR equivalent		1	
2.0	N9K-C9504	Nexus 9504 Chassis with 4 linecard slots	N/A	1	



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2.0.1	CON-SNT-N9504	SNTC-8X5XNBD Nexus 9504 Chassis with 4 linecard slots	60	1	
2.1	NXOS-9.2.1	Nexus 9500, 9300, 3000 Base NX-OS Software Rel 9.2.1	N/A	1	
2.2	N9K-C9504-RMK	Nexus 9504 Rack Mount Kit	N/A	1	
2.3	N9K-C9504-FM-E	Fabric Module for N9504 with 100G support, ACI and NX-OS	N/A	4	
2.4	N9K-C9500-ACK	Nexus 9500 Accessory Kit	N/A	1	
2.5	N9K-C9504-FAN	Fan Tray for Nexus 9504 chassis, Port-side Intake	N/A	3	
2.6	N9K-PAC-3000W-B	Nexus 9500 3000W AC PS, Port-side Intake	N/A	4	
2.7	CAB-C19-CBN	Cabinet Jumper Power Cord, 250 VAC 16A, C20-C19 Connectors	N/A	4	
2.8	N9K-SC-A	System Controller for Nexus 9500	N/A	2	
2.9	N9K-C9504-FM-CV	Nexus 9508 Fabric Module slot cover	N/A	2	
2.10	N9K-C9500-LC-CV	Nexus 9500 Linecard slot cover	N/A	2	
2.11	N9K-SUP-A	Supervisor for Nexus 9500	N/A	1	
2.12	N9K-SUP-A	Supervisor for Nexus 9500	N/A	1	
2.13	N95-LIC-PAK	N9500 License PAK Expansion	N/A	1	
2.14	N95-LAN1K9	LAN Enterprise License for Nexus 9500 Platform	N/A	1	
2.15	N1K-VLCPU-96-ESSTL	Nexus 1000V Essential Edition Paper Delivery License Qty 96	N/A	1	
2.16	N9K-X9788TC-FX	Nexus 9500 NX-OS Agg, 48p 10GT and 4p 100G	N/A	1	
2.17	N9K-X97160YC-EX	Nexus 9500 NX-OS linecard, 48p 10G/25G with 4p 100G QSFP28	N/A	1	
3.0	SFP-10G-SR=	10GBASE-SR SFP Module	N/A	20	

Professional Services Required

1. Service provider to configure above equipment into existing network. This can be done during working hours at ICASA current location in Sandton
2. Network Engineer to be onsite at the new site in Centurion during cut-over. This will be over a weekend (estimated to be weekend of 21-22 October 2018)

Delivery time-lines



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The network switches need to be delivered to ICASA by no later than 15 October 2018.