

TECHNICAL EVALUTATION CRITERIA

Network Performance Monitoring - Adding of Smart Nodes to existing TAP Aggregation devices, Maintenance & Support for a period of five (5) years with Next Business Day hardware replacement.

Company Evaluated: _____

Supplier refers to the company tendering - **OEM** refers to the manufacturer of the solution being proposed.

Attention Supplier. Please reference page number where returnable can be found

Gatekeeper Question – Mandatory:

Q#	Question	Response	Returnable
1.	The Supplier must have at least 3 years or more experience with reselling/supplying and distributing TAP aggregation equipment.	.	1. Proof of existing OEM partnerships on either of the following: <ul style="list-style-type: none"> a. Proof of existing OEM partnerships on equipment proposed by supplier/Vendor (Would be preferred). b. Proof of any other OEM Hardware Partnership relationship to show OEM Hardware distributing experience 2. Submitted Company documentation will be verified company registration and tax compliance OR Proof to be a business partner (or child company) of larger OEM hardware distributor that meet the requirements mentioned above.
2.	The proposed solution should be covered by 5 Year 24x7 OEM support with Next Business Day (NBD) hardware replacement		All hardware in proposed solution must include 5 Year 24x7 OEM support with next Business Day hardware replacement. This must reflect in the costing, and it is one of the deliverables in the scope of work.

Evaluation Criteria - Technical Evaluation Threshold to proceed to next phase total must equal to or exceed: **70%**

Q #	Evaluation Criteria	Score	Score Breakdown	Evidence required	Calculated Score	Evaluator comments
1	The Vendor/Supplier have certified technicians by authorized master on all requested equipment in RFP as to support it	15%	Certification provided (1 =5%,2=10% and 2<then 15%)	OEM Technical Certificate per personnel.		
		15%				
<p>Eskom is in the process of acquiring the DANZ Monitoring Fabric (DMF) from Arista Networks for their next-generation packet brokering (NPB) system.</p> <p>The following requirements will be additional to the system already tendered for. This adds advanced (smart) capabilities to the proposed NPB.</p>						
2.	<p>Service Node:</p> <p>The service node should add the following capabilities to the DMF system.</p>					
2.1	Packet De-duplication — Enhances tool efficiency, by dropping duplicate packets.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
2.2	Packet Slicing — Improves security and tool throughput by stripping off the payload.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
2.3	Packet Masking — Improves security by hiding user/confidential information such as Credit card, SSN, passwords, medical or financial data to comply with SOX, HIPAA and PCI regulations.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
2.4	Regex Pattern matching—Improves filtering of traffic based on regex patterns anywhere within the packet.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
2.5	Header stripping for VXLAN, Cisco Fabric Path, LISP, GENEVE, PPPoE, ERSPAN, and MPLS packets. A generic	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		

	user-defined header stripping function should also be supported.					
2.6	IPFIX/Netflow/sFlow Generation Function.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
2.7	L2GRE tunnel packet decapsulation.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
2.8	VLAN tag stripping, VLAN tag push.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
2.9	Match on inner packet post stripping.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
2.10	UDP Replication – Supports replication of UDP packets like NetFlow, IPFIX, sFlow, Syslog, and SNMP and send them to multiple, different collectors	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
2.11	The DMF controller must auto-discover the service node to become a single, central point of management and configuration of the service node.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
2.12	The proposed solution should support chaining of multiple service nodes that are connected to the fabric via the service node chaining function of the DMF.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
		24%				
3.	Recorder Node:					
	The recorder node should add the following capabilities to the DMF system.					
3.1	Must enable Traffic Capture for Cloud-Native Network Defense & Rapid Remediation at Scale	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
3.2	Must be easy to scale out, for example if the initial 192TB of storage is not enough - another node can be connected to the	5%	No = 0 Yes = 5%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		

	fabric, doubling the storage. This needs to be transparent to the user.					
3.3	Integrated / centralized configuration and operational workflows via DMF Controller	5%	No = 0 Yes = 5%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
3.4	Must have Feature-rich capturing, querying and replay functions	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
3.5	Must support PTP / NTP based timestamping	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
3.6	Must have a 25Gbps interface for recording traffic flows that connects to the fabric	5%	No = 0 Yes = 5%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
3.7	Must support 192TB of storage	5%	No = 0 Yes = 5%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
3.8	Must be programmable and scriptable via REST APIs	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
		28%				
4.	Analytics Node:					
	The analytics node should add the following capabilities to the DMF system.					
4.1	Must leverage easy to use, scale-out, high-performance industry-standard x86 based appliances.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
4.2	Must enable pervasive observability for real-time and historical data delivering a Network Time machine.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
4.3	Must use Machine Learning and Application Dependency maps to provide deeper insights and rapid remediation.	2%	No = 0 Yes = 2	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		

4.4	Must support various health/capacity planning/troubleshooting dashboards.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
4.5	Must support network performance views like Top Talkers, Top Apps, TCP connection/ latency tracking.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
4.6	Must support security views identifying rogue DHCP/DNS servers, identifies IP/MAC spoofing.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
4.7	Must support various host views such as New Hosts seen and what OS is on the hosts.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
4.8	Must support automatic alerting on exceeding various thresholds such as link utilization.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
4.9	Must supports sFlow/NetFlow collection to provide real-time visibility, including tunneled or encapsulated traffic, enable detection of security attacks like DoS/DDoS and support sub-second triggering.	2%	No = 0 Yes = 2%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
		18%				
5.	Physical device requirements: 1 x Service Node					
5.1	Performance - System should be capable of offering any of the required services offered at line rate. Should have 4 x 10G interfaces	3%	No = 0 Yes = 3%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		
6.	1 x Recorder Node					
6.1	Features - System should offer 192TB storage	4%	No = 0 Yes = 4%	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned		

7.	1 x Analytics Node				
7.1	Feature - System should be able to handle: ARP 20,000 pkts/sec DHCP 15,000 pkts/sec ICMP 15,000 pkts/sec DNS1 8,000 pkts/sec TCPFlow 6,000 flows/sec sFLOW 12,000 flows/sec IPFIX 12,000 flows/sec Netflow ver 5 100,000 flows/sec	8%	1 point per Feature	Highlight in Datasheet or provide OEM brochure document/letter specify the point/points mentioned	
		15%			
	Total	100%		Threshold 70%	

Comments

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Signature



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