

## 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.	.	<ol style="list-style-type: none"><li>1. Proof of existing OEM partnerships on either of the following:<ol style="list-style-type: none"><li>a. Proof of existing OEM partnerships on equipment proposed by supplier/Vendor (Would be preferred).</li><li>b. Proof of <b>any other</b> OEM Hardware Partnership relationship to show OEM Hardware distributing experience</li></ol></li><li>2. Submitted Company documentation will be verified company registration and tax compliance</li></ol> <p>OR</p> <p>Proof to be a business partner (or child company) of larger OEM hardware distributor that meet the requirements mentioned above.</p>
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%				
<b>Eskom is in the process of acquiring the DANZ Monitoring Fabric (DMF) from Arista Networks for their next-generation packet brokering (NPB) system.</b> <b>The following requirements will be additional to the system already tendered for. This adds advanced (smart) capabilities to the proposed NPB.</b>						
2.	<b>Service Node:</b>  <b>The service node should add the following capabilities to the DMF system.</b>					
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		
		<b>24%</b>				
3.	<b>Recorder Node:</b>  <b>The recorder node should add the following capabilities to the DMF system.</b>					
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		
		<b>28%</b>				
4.	<b>Analytics Node:</b>  <b>The analytics node should add the following capabilities to the DMF system.</b>					
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		
		<b>18%</b>				
5.	<b>Physical device requirements: 1 x Service Node</b>					
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.	<b>1 x Recorder Node</b>					
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.	<b>1 x Analytics Node</b>					
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%				
	<b>Total</b>	<b>100%</b>		Threshold 70%		

Comments

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Signature



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