

Addendum/Corrigendum

sl	Section	Page	Clause	Item/Description	Original text in Tender Document	Amended Text	Remarks
				Core Switch			
1	7	20		Fiber Coonnectivity Options	The switch can be scaled up 500 x 10GE ports or 120 x 100 GE ports as non-blocking or wire-speed ports.	<i>The switch can be scaled up to minimum 350 x 10GE ports or 50 x 100 GE ports as non-blocking or wire-speed ports.</i>	
	7	22		Multicasting			
2	7	22		Multicast Route Scalability	Switch should support 8K Multicast route and scalable to 15K Multicast Routes.	<i>Switch should support minimum 8K Multicast route.</i>	
				Aggregation Switch Type I			
3				Hardware Architecture	Network Infrastructure equipment support both 48DC and 220v AC.	<i>Network Infrastructure equipment support either 48DC or 220v AC as per the requirement.</i>	
4	7	24	3.3	Performance & Scalability	Should be minimum 3.50 Tbps switching bandwidth and 2.5 Billion packets per second (bpps)	<i>Should be minimum 3.5 Tbps switching bandwidth and 1 Billion packets per second (Bpps).</i>	
5	7	24	3.3		Must support minimum 30,000 multicast routes and 30,000 IGMP routes	<i>Must support minimum 30,000 multicast routes and 20,000 IGMP routes.</i>	
6	7	24	3.3		Must support minimum 12,000 Virtual Routing and Forwarding (VRF)	<i>Must support minimum 2000 Virtual Routing and Forwarding (VRF) .</i>	
7	7	24	3.3	Switch Fabric Supported Feature	The Fabric should support Full Layer 3 unicast and multicast routing protocol including BGP, OSPF, Multicast PIM-SM, Multicast SSM, and MSDP, Segment routing MPLS and RSVP-TE.	<i>The Fabric should support Full Layer 3 unicast and multicast routing protocol including BGP, OSPF, Multicast PIM-SM.</i>	
8	7	25	3.3	Switch Features	Must have Routed ports on platform interfaces, switch virtual interface or Layer 3 VLAN interface, Port Channels, and sub interfaces.		DELETED
9	7	26	3.3	Security features	Must support Storm control (unicast, multicast, and broadcast)	<i>Must support packet storm control.</i>	
10	7	26	3.3	QoS features	Must have 35 MB of shared buffer for traffic/packet Queuing and processing	<i>Must have 32 MB of shared buffer for traffic/packet Queuing and processing.</i>	
11	7	27	3.3	Management features	Must support detail buffer monitoring reports for real-time buffer usage on per port and per queue	<i>Must support detail buffer monitoring reports for real-time buffer usage on per port.</i>	
12	7	27	3.3	Manufacturer's Part Number	Bidder must submit the required performance document and compliance reference document for the proposed device.	<i>Bidder must submit compliance reference document for the proposed device.</i>	

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				<u>Aggregation Switch Type II</u>				
13	7	29	3.3	Switch Layer 2 Service	Advanced PortChannel/EtherChannel hashing based on Layer 2, 3, and 4 information or LAG load-sharing based on IP Source / Destination IP, TCP/UDP Source /Destination IP, Source /Destination Port.		DELETED	
14					Storm control (multicast and broadcast)	Must support packet storm control.		
15	7	29	3.3	Security features	Standard and extended Layer 3 to 4 ACLs include IPv4, Internet Control Message Protocol (ICMP), TCP, and User Datagram Protocol (UDP)		DELETED	
16	7	30	3.3	Manufacturer's Part Number	Bidder must submit the required performance document and compliance reference document for the proposed device.	Bidder must submit compliance reference document for the proposed device.		
				<u>Server Farm Switch</u>				
17				Hardware Architecture	Network Infrastructure equipment support both 48DC and 220v AC.	Network Infrastructure equipment support either 48DC or 220v AC as per the requirement.		
18	7	67	4.3.1	Performance & Scalability	Must support minimum 10,000 Virtual Routing and Forwarding (VRF)	Must support minimum 2000 Virtual Routing and Forwarding (VRF).		
19	7	67	4.3.1	Switch Fabric Supported Feature	The Fabric should support CLOS Based Architecture defined using Aggregation, DC Access and VXLAN and ISIS or VXLAN and EVPN Protocol in future if required.	The Fabric should support Architecture defined using Leaf-Spine Aggregation and DC Access and VXLAN.		
20	7	68	4.3.1		The Fabric should support various Hypervisor encapsulation including VXLAN, NVGRE and 802.1q natively without any additional hardware change in future if required.	The Fabric should support various Hypervisor encapsulation including VXLAN and 802.1q natively without any additional hardware change in future if required.		
21	7	68	4.3.1		The Fabric should support Full Layer 3 unicast and multicast routing protocol including BGP, OSPF, Multicast PIM-SM, Multicast SSM, and MSDP, Segment routing MPLS and RSVP-TE.	The Fabric should support Full Layer 3 unicast and multicast routing protocol including BGP, OSPF, Multicast PIM-SM.		
22	7	68	4.3.1		The Fabric should support Multi-hypervisor and bare-metal interoperation with VLAN and VxLAN routing and bridging support in SDN mode in future if required.	The Fabric should support VxLAN routing and bridging support in SDN mode in future if required.		
23	7	68	4.3.1		The Fabric should support integration with various platform like VMWare, OpenStack, CloudStack, HyperV and KVM in future if required.		DELETED	
24	7	69	4.3.1	Security features	Must support Storm control (unicast, multicast, and broadcast)	Must support packet storm control.		
25	7	70	4.3.1	Manufacturer's Part Number	Bidder must submit the required performance document and compliance reference document for the proposed device.	Bidder must submit compliance reference document for the proposed device.		

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26	7	37	4.2.3	Quality	ISO 9001/9002 for manufacturer, FCC Class A/B for quality assurance	<i>ISO 9001/9002 for manufacturer.</i>	
27	7	38	4.2.3	API Support	NMS should support Inbound/Outbound Application Programming Interfaces (API's). This could be your own API or 3rd Party integration API's.	<i>NMS should support Inbound/Outbound Application Programming Interfaces (API's). This could be OEM's own API or 3rd Party API.</i>	
28	7	38	4.2.3	Architecture	The system supports hierarchical deployment where each software system at its own level can run independently, execute permissions separately, and have local portal and collection servers.		DELETED
29	7	38	4.2.3		NMS software should have scaling capacity of minimum up to 5000 devices per instance if need to upgrade in future. License as per requirement.	<i>NMS software should have scaling capacity of minimum up to 50 devices per instance if need to upgrade in future. License as per requirement.</i>	
30	7	39	4.2.3		Product should support IPFIX (NetFlow v10)	<i>The product shall support the latest version of the 'Flow' (e.g. NetFlow, NetStream, J-Flow, sFlow etc.) to collect IP Operational Data.</i>	

31	7	39	4.2.3.	Change and Compliance Management	NMS should have built-in work flow processes to include Network Configuration Validation, Change Approval Process, and Configuration Deployment Process.	<i>NMS should have work flow processes to include Network Configuration Validation, Change Approval Process, and Configuration Deployment Process.</i>	
32	7	39	4.2.3		NMS should provide out-of-the-box policy content with your product (e.g., SOX, PCI, Best Practice, NSA security best practice guidelines)	<i>NMS should provide out-of-the-box policy content with the product (e.g., SOX, PCI, Best Practice, NSA security best practice guidelines).</i>	
33	7	41	4.2.3	Monitoring	QoS Profiles - Different Classes - Exceed, violate and conform statistics, Policing statistics, Classification statistics, Queuing statistics		DELETED
34	7	41	4.2.3	Performance	Must support historical port utilization and performance report for up to last 180 days	<i>Must support historical port utilization and performance report for up to at least last 90 days.</i>	
35		42			Should map call flows through the network to pinpoint problem areas.		DELETED
36	7	42	4.2.3	Reporting	Show a variety of at least 20 reports with brief descriptions; ensure items below are represented:	<i>Show a variety of at least 10 reports with brief descriptions; ensure items below are represented:</i>	
37					iv. Combine In and Out data for Utilization, conversations, applications etc.	<i>Combine In and Out data for Utilization, applications etc.</i>	

38	7	43	4.2.3	Manufacturer's Part Number	Bidder must submit the required performance document and compliance reference document for the proposed device.	<i>Bidder must submit compliance reference document for the proposed software.</i>	
39		51	4.2.5	Network Access Control & Authentication Specification	Offers a built-in monitoring, reporting, and troubleshooting console to assist helpdesk operators and administrators streamline operations	<i>Offers a monitoring, reporting, and troubleshooting console to assist helpdesk operators and administrators streamline operations.</i>	
40					Allows you to get finer granularity while identifying devices on your network with Active Endpoint Scanning		<i>DELETED</i>
41					Manages endpoint access to the network with the Endpoint Protection Service, which enables administrators to specify an endpoint and select an action - for example, move to a new VLAN, return to the original VLAN, or isolate the endpoint from the network entirely - all in a simple interface		<i>DELETED</i>

42	7	51	4.2.5	Network Access Control & Authentication Specification	Provides a wide range of access control mechanisms, including downloadable access control lists (dACLs), VLAN assignments, URL redirect, and Security Group Access (SGA) tagging.		DELETED
43					Should have predefined device templates for a wide range of endpoints, such as IP phones, printers, IP cameras, Smartphones, and tablets.	Should have predefined device templates for endpoints to be installed under this project.	
44		54			Solution should integrate with the following MDM vendors like: Airwatch, Good, Mobileiron, Zenprise, etc.		DELETED
45		56			Should support the functionality to force endpoint to reacquire IP address that does not support a supplicant or client to generate a DHCP request after a VLAN change.		DELETED

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46	7	50	4.2.5	Quality	ISO 9001/9002 for manufacturer, FCC Class A/B for quality assurance	<i>ISO 9001/9002 for manufacturer. "</i>	
47	7	57	4.2.5	Manufacturer's Part Number	Bidder must submit the required performance document and compliance reference document for the proposed device.	<i>Bidder must submit compliance reference document for the proposed software.</i>	