

PROJECT: CORE SWITCHES REPLACEMENT**A. QUERIES/CLARIFICATIONS RAISED DURING THE PRE-BID CONFERENCE:**

	Query/Clarifications	TWG/BAC Reply
1	Is it possible to relax the requirement for the partnership level?	No. We maintain our requirement as stated in Item No. J.8 of the Technical Specifications.
2	Regarding the enterprise wired and wireless infrastructure, is it possible that this may also be relaxed?	No. We maintain our requirement as stated in Item No. A.29 of the Technical Specifications.
3	Does the copies of original documents need to be certified?	Yes.

B. WRITTEN QUERIES:

	Query/Clarifications	TWG/BAC Reply
1	For Items A.3, B.3, D.3, E.3, F.3, H.3, and I.3: “Must have field-replaceable fans and dual field- replaceable, hot swappable Platinum-rated AC power supplies for redundancy” Comment: We would like to ask for “Platinum-rated” to be relaxed.	No. We maintain our requirement.
2	For Item A.4, C.6, F.4, G.6: “Must be 1RU and include 19” rack mount extension rail kit” Comment For A.4, F.4: Kindly request to delete or relax to “Must be 4RU and include 19rack mount extension rail kit” Comment for C.6: Kindly request to delete or relax to “Must be at least 1.5RU and include 19” rack mount extension rail kit”	We maintain this requirement. We maintain this requirement.
3	For Item A.6, B.6, D.8, E.8, F.6, H.8, I.8: “Proposed switch must be compatible with SSS’ existing network infrastructure and the existing 10G and	

	<p>1G SFP modules must be able to be reused on the proposed switch.”</p> <p>“Proposed switch must be compatible with SSS’ existing Top-of-Rack Switches and existing 40G and 10G SFP modules must be compatible to be reused on the proposed switch.”</p> <p>Comment: We would like to request for current network models and topology for us to be able to completely evaluate compatibility.</p>	<p>The current network switches in use are Cisco. The detailed network topology and architecture will be provided to the winning bidder.</p>
4	<p>For Item A.12, B.12, F.12: “Must have at least 16 GB flash and 16 GB DRAM” For Item D.11, E.11, H.11, I.11: “Must have at least 8 GB DRAM and 16 GB flash”</p> <p>Comment: Kindly request to lower to Flash/SDRAM: 4GB/2GB. For switches, larger values do not necessarily equate to higher performance. It typically depends on the size of the switch’s image (software file), so it will usually vary among different vendors.</p>	<p>We maintain this requirement.</p>
5	<p>For Item A.15, B.15, D.16, E.16, F.15, H.16, I.16: “Must have support for external bluetooth dongle to be connected to the proposed switch to allow wireless console access for management and configuration using Web UI/CLI including image transfer.”</p> <p>Comment: This is achievable by using wireless bluetooth console to be connected to the switch's serial console port. What kind of supporting materials are needed for this?</p>	<p>Please submit the product datasheet or installation guide that confirms the switch supports the physical installation of a wireless dongle.</p>
6	<p>For Item A.17, B.17, D.17, E.17, F.17, H.17, I.17: “Must have built-in RFID tag for easy asset and inventory management using commercial RFID readers”</p> <p>Comment: This is pertaining to a single brand. Kindly request to remove.</p>	<p>We maintain this requirement. Bidder can provide equivalent RFID and network asset inventory management solutions.</p>

7	<p>For Item A.25, B.25, F.25: “Hardware must be ready to support external hot-swappable SATA SSD storage with up to 960GB capacity for third party container-based application hosting”</p> <p>For Item D.22, E.22, H.22, I.22: “Hardware must be ready to support external field- replaceable USB 3.0 SSD pluggable storage with up to 120GB capacity for third party container-based application hosting”</p> <p>Comment: This is pertaining to a single brand. Kindly request to remove.</p>	<p>We maintain this requirement as it ensures hardware readiness for future use. Bidder can comply by showing that their switch can support external storage for running local apps in the future.</p>
8	<p>For Item A.29, B.29, C.31, D.26, E.26, F.29, G.31, H.26, I.26: “Must be one of the Leaders in Gartner Magic Quadrant for Enterprise Wired and Wireless LAN Infrastructure for at least five (5) consecutive years.”</p> <p>Comment: Kindly request to relax to “Must be included in the latest (2025 June) Gartner Magic Quadrant for Enterprise Wired and Wireless LAN Infrastructure”.</p>	<p>We maintain this requirement. Being in Gartner’s Leaders quadrant consistently for at least five years reflects sustained innovation, market presence, and execution capability, which assures SSS of long-term vendor viability and roadmap maturity.</p>
9	<p>For Item B.18: “Must have support for NAT, OSPF, BGP, IS-IS, PIM SSM, PIM SM, MSDP, VRF and OSPv3.”</p> <p>Comment: NAT is usually required for Wide Area Network (WAN) Components, and typically not in a campus switch. Kindly request to remove.</p>	<p>We maintain this requirement.</p>
10	<p>For Item B.21: “Must have support for full application flow analysis, export, allow flows to be user-defined to customize the data collection to fit specific requirements and capable of delivering flow collection up to of at least 254,000 flows”.</p> <p>For Item D.19, E.19, H.19, I.19: Must have support for full application flow analysis, export, allow flows to be user-defined to customize the data collection to fit specific requirements and capable of delivering flow collection with at least 62,000 flows”</p>	<p>We maintain this requirement. The full</p>

	<p>Comment: Kindly request to change to: “Must have support for full application flow analysis, export, allow flows to be user-defined to customize the data collection to fit specific requirements”. The quantity of flow in the mentioned TOR item refers to a single vendor.</p>	<p>application flow capacity we specified is our minimum requirement that gives us the detail we need to monitor and troubleshoot traffic patterns effectively.</p>
11	<p>For Item B.22, D.20, E.20, I.20: “Must have feature that allows switch to identify the physical path that a packet takes from a source device to destination device using MAC address tables of the devices.”</p> <p>Comment: Kindly request to delete as this refers to single brand feature.</p>	<p>We maintain this requirement. This is not a single brand feature.</p>
12	<p>For Item C.1, G.1: “Must have Twenty-eight (28) 100/40-Gbps QSFP28 downlink ports and Eight (8) 400/100-Gbps QSFP-DD dedicated uplink ports”</p> <p>Comment: Kindly request to relax to “Must have Twenty-eight (28) 100/40-Gbps QSFP28 downlink ports and Six (6) 400/100-Gbps QSFP-DD dedicated uplink ports”</p>	<p>We maintain this requirement.</p>
13	<p>For Item C.8, G.8: “Must have at least 3.8 Bpps forwarding rate”</p> <p>-</p> <p>Comment: Kindly request to relax to 2.7Bpps forwarding rate</p>	<p>We maintain this requirement.</p>
14	<p>For Item C.15, G.15: “Must have at least 30,000 IGMP Snooping groups”</p> <p>Comment: Kindly request to remove IGMP requirement.</p>	<p>We maintain this requirement.</p>
15	<p>For Item C.18, G.18: “Must have at least 15,000 VRF Instances”</p> <p>Comment: Kindly request to relax to 8,000 VRF Instances.</p>	<p>We maintain this requirement.</p>
16	<p>For Item C.25, G.25: “Must have feature that provides fabric extensibility with simplified/single management enabling the switching access layer to extend and expand all the way to the server hypervisor as the customer’s business grows.”</p>	

	Comment: Kindly request to delete as this refers to single brand feature.	We maintain this requirement.
17	<p>For Item C.27, G.27: “Must have support for in-service software upgrade (ISSU) to eliminate network downtime during software image upgrades”</p> <p>Comment: Kindly request to remove.</p>	We maintain this requirement.
18	<p>For Item D.5, E.5, H.5, I.5: “Must have support for aggregation of power across switch stack for resilient power distribution and redundancy across the stack. Stacking cables (at least 0.3 meter) must be included for stacked WAN switch deployment.”</p> <p>Comment: Kindly request to delete as this refers to single brand feature.</p>	We maintain this requirement. Power stacking ensures that switches can dynamically share and balance power across the stack to improve power efficiency and operational resilience. Bidder can provide equivalent implementation of power redundancy across stack.
19	<p>For Item D.12, E.12, H.12, I.12: “Must have at least 16 MB packet buffer”</p> <p>Comment: Kindly request to relax to 9 MB buffer</p>	We maintain this requirement.
20	<p>For Item J.1: “Switches must be Federal Information Processing Standards (FIPS) 140-2 compliant.”</p> <p>Comment: Kindly request to remove Federal Information Processing Standards (FIPS) 140-2.</p>	We maintain this requirement.
21	<p>Page 35-36. Proposed switch must be compatible with SSS' existing network infrastructure and the existing 10G and 1G SFP modules must be able to be reused on the proposed switch.</p> <p>Question: What are the exact models of the existing 10G and 1G SFP modules?</p>	Currently, we have Cisco 10G Multimode SFP modules and Cisco 1G Multimode and Copper SFP modules.
22	Page 36. Core Switches must be deployed as a single logical switch with having both switches actively forward traffic for high	

	<p>availability using 40G physical connections.</p> <p>Question: Are the 40G Physical connections stated in this line item already considered on the 40G Transceiver quantity in page 35 line item 5?</p>	<p>Yes, they are already included.</p>
23	<p>Page 38. Proposed switch must be compatible with SSS' existing Access Switches and existing 10G and 1G SFP modules must be compatible to be reused on the proposed switch.</p> <p>What are the exact models of the existing 10G and 1G SFP modules?</p>	<p>Currently, we have Cisco 10G Multimode SFP modules and Cisco 1G Multimode and Copper SFP modules.</p>
24	<p>Page 38. Core Switches must deployed as a single logical switch with having both switches actively forward traffic for high availability</p> <p>Question: Are the transceiver modules for the interconnectivity of the two core switch already considered on the quantity of transceivers in p. 38 line item 5?</p>	<p>Yes, they are already included.</p>
25	<p>Page 40. Proposed switch must be compatible with SSS' existing Top-of-Rack Switches and existing 40G and 10G SFP modules must be compatible to be reused on the proposed switch.</p> <p>Question: What are the exact models of the existing Top-of-Rack Switches and the existing 40G and 10G SFP modules?</p>	<p>The existing Top-of-Rack Switches are Cisco Nexus 9300. We currently have Cisco 40G Multimode SFP modules with MPO connectors and Cisco 10G Multimode SFP modules.</p>
26 6	<p>Page 41. Must have multi-chassis link aggregation technology that allows dual-homed servers to operate in active-active mode and must have 40G physical connections between Server Core Switches.</p> <p>Question: Are the 40G transceivers required for the physical connections between Server Core Switches already considered in the Transceiver quantity stated in p. 40 item 3?</p>	<p>Yes, they are already included.</p>

27	<p>Page 46. Core Switches must deployed as a single logical switch with having both switches actively forward traffic for high availability using 40G physical connections</p> <p>Are the 40G transceivers required for the physical connections between Server Core Switches already considered in the Transceiver quantity stated in p. 46 item 5?</p>	<p>Yes, they are already included.</p>
28	<p>Page 54. All necessary cables, connectors, and other related materials and equipment required for the installation and interconnection of the new core switches shall be the responsibility of the service provider. Submit a certification issued by the bidder's authorized representative.</p> <p>Question: Is the structured cabling included or only the patch cords and other cables? Would it be possible to conduct a site survey?</p>	<p>Patch cords and other cables only.</p> <p>Site survey will be conducted by the winning bidder.</p>
29	<p>Page 22 item 3 Training</p> <p>3.1 Comprehensive Core Switch training for 12 participants, in two batches, 24 hours per batch</p> <p>3.2 Must be conducted in a standard Training Center – Instructor Led Class-room Type</p> <p>3.3 Include Meals, Training materials and Certificate of Attendance</p> <p>Question # 1.1 Is this knowledge transfer training?</p> <p>Question # 1.2 Can consider bidder's local training center?</p>	<p>1.1 No, this is a comprehensive training aligned with the course provided by the manufacturer's training center.</p> <p>1.2 Yes, provided that the training center is recognized by the manufacturer. The bidder must submit a manufacturer-issued certification confirming that the training center is recognized by the manufacturer.</p>
30	<p>Question #1: Could you please confirm the power cable type for both HO and DR (NEMA 5-15 or C13-C14)?</p>	<p>C13-C14 power cables for both HO and DR devices.</p>
	<p>A. 2 UNITS OF SERVICE CORE SWITCH FOR SSS MAIN OFFICE</p>	
31	<p>Item 15. Must have support for external bluetooth dongle to be connected to the proposed switch to allow wireless console access for management and configuration using Web UI/CLI including image transfer</p> <p>Request to remove this requirement. We don't support external bluetooth dongle. Or instead</p>	<p>We maintain this requirement.</p>

	request to add "Asset Management feature must be included in the NMS"	
32	<p>Item 17. Must have built-in RFID tag for easy asset and inventory management using commercial RFID readers</p> <p>Request to remove this requirement. We don't have an RFID tag on switches. Or "Asset Management must be included in the NMS"</p>	We maintain the requirement. Bidder can provide equivalent RFID and network asset inventory management solutions.
33	<p>Item 18. Must have support for NAT, OSPF, BGP, IS-IS, PIM SSM, PIM SM, MSDP, VRF and OSPv3.</p> <p>Request to remove NAT</p>	We maintain this requirement.
34	<p>Item 19. Must have support for IEEE 802.1ae MACsec with AES-256 bit encryption</p> <p>Request to remove this requirement or make it optional.</p>	We maintain this requirement.
35	<p>Item 20. Must have feature to allow user customize templates to modify TCAM resource allocation to maximize system usage for a specific function</p> <p>Please explain the use case.</p>	Customizable templates to modify the Ternary Content Addressable Memory (TCAM) feature are handy during initial configuration of the switch and during troubleshooting as this TCAM is commonly used for Routing table lookups, Access Control List (ACL), Quality of Service (QoS) and VLAN management.
36	<p>Item 21. Must have support for full application flow analysis, export, allow flows to be user-defined to customize the data collection to fit specific requirements and capable of delivering flow collection up to of at least 254,000 flows</p> <p>Request to lower the flow requirement to 32,700</p>	We maintain this requirement.
37	<p>Item 23. Must have support for in-service software upgrade (ISSU) for Core Switch high availability deployment to eliminate network downtime during software image upgrades</p> <p>Request to remove this requirement. We do not support ISSU</p>	We maintain this requirement.
38	<p>Item 24. Must have support for software patch fixes during operation for critical fixes which eliminates the need to perform a full software image upgrade and can take effect without reloading the switches to minimize traffic impact</p> <p>Request to remove this requirement. Our switches need to reset to fully take effect the fixes</p>	We maintain this requirement.

39	<p>Item 25. Hardware must be ready to support external hot-swappable SATA SSD storage with up to 960GB capacity for third party container-based application hosting</p> <p>Request to lower the capacity to 120GB.</p>	We maintain this requirement.
	B. 2 UNITS OF CAMPUS CORE SWITCH FOR SSS MAIN OFFICE	
40	<p>Item 15. Must have support for external bluetooth dongle to be connected to the proposed switch to allow wireless console access for management and configuration using Web UI/CLI including image transfer</p> <p>Request to remove this requirement. WE don't support external bluetooth dongle. Or instead request to add "Asset Management feature must be included in the NMS"</p>	We maintain this requirement.
41	<p>Item 17. Must have built-in RFID tag for easy asset and inventory management using commercial RFID readers</p> <p>Request to remove this requirement. We don't have an RFID tag on switches. Or "Asset Management must be included in the NMS"</p>	We maintain this requirement. Bidder can provide equivalent RFID and network asset inventory management solutions.
42	<p>Item 18. Must have support for NAT, OSPF, BGP, IS-IS, PIM SSM, PIM SM, MSDP, VRF and OSPv3.</p> <p>Request to remove NAT</p>	We maintain this requirement.
43	<p>Item 19. Must have support for IEEE 802.1ae MACsec with AES-256 bit encryption</p> <p>Request to remove this requirement or make it optional.</p>	We maintain this requirement.
44	<p>Item 20. Must have feature to allow user customize templates to modify TCAM resource allocation to maximize system usage for a specific function</p> <p>Please explain the use case.</p>	Customizable templates to modify the Ternary Content Addressable Memory (TCAM) feature are handy during initial configuration of the switch and during troubleshooting as this TCAM is commonly used for Routing table lookups, Access Control List (ACL), Quality of Service (QoS) and VLAN management.
45	<p>Item 21. Must have support for full application flow analysis, export, allow flows to be user-defined to customize the data collection to fit specific requirements and capable of delivering flow collection up to of at least 254,000 flows</p> <p>Request to lower the flow requirement to 32,700.</p>	We maintain this requirement.

46	<p>Item 23. Must have support for in-service software upgrade (ISSU) for Core Switch high availability deployment to eliminate network downtime during software image upgrades</p> <p>Request to remove this requirement. We do not support ISSU.</p>	We maintain this requirement.
47	<p>Item 24. Must have support for software patch fixes during operation for critical fixes which eliminates the need to perform a full software image upgrade and can take effect without reloading the switches to minimize traffic impact.</p> <p>Request to remove this requirement. Our switches need to reset to fully take effect the fixes</p>	We maintain this requirement.
48	<p>Item 25. Hardware must be ready to support external hot-swappable SATA SSD storage with up to 960GB capacity for third party container-based application hosting</p> <p>Request to lower the capacity to 120GB.</p>	We maintain this requirement.
	C. 2 UNITS OF SERVER CORE SWITCH FOR SSS MAIN OFFICE	
49	<p>Item 7. Must have at least 11.8 Tbps Switching Bandwidth</p> <p>Request to lower the switching bandwidth to 6.4 Tbps.</p>	We maintain this requirement.
50	<p>Item 8. Must have at least 3.8 Bpps forwarding rate</p> <p>Request to lower the forwarding rate to 2000 Mpps.</p>	We maintain this requirement.
51	<p>Item 9. Must have at least 32 GB memory</p> <p>Request to lower the memory to 16 GB</p>	We maintain this requirement.
52	<p>Item 10. Must have at least 80 MB buffer</p> <p>Request to lower the buffer to 32 MB</p>	We maintain this requirement.
53	<p>Item 12. Must have at least 895,000 IPv4 and IPv6 host entries</p> <p>Request to lower the IPv4 and IPv6 host entries or ARP to 40,000</p>	We maintain this requirement.
54	<p>Item 13. Must have at least 255,000 MAC Address</p>	

	Request to lower the MAC address to 160,000	We maintain this requirement.
55	Item 14. Must have at least 30,000 Multicast routes Request to lower the multicast routes to 6,000	We maintain this requirement.
56	Item 15. Must have at least 30,000 IGMP Snooping groups Request to lower the IGMP Snooping groups to 6,000	We maintain this requirement.
57	Item 18. Must have at least 15,000 VRF Instances Request to lower the VRF instances to 256	We maintain this requirement.
58	Item 20. Must have OSPF, BGP, VXLAN BGP EVPN, PIM-SM, SSM, MSDP and VRF routing protocols support Request to remove the VXLAN BGP EVPN or must state equivalent technology. We don't use BGP EVPN and VLXLAN for Fabric.	We maintain this requirement.
59	Item 27. Must have support for in-service software upgrade (ISSU) for Core Switch high availability deployment to eliminate network downtime during software image upgrades Request to remove this requirement. We do not support ISSU	We maintain this requirement.
60	Item 29. Must have support for software patch fixes during operation for critical fixes which eliminates the need to perform a full software image upgrade and can take effect without reloading the switches to minimize traffic impact Request to remove this requirement. Our switches need to reset to fully take effect the fixes	We maintain this requirement.
61	Item 31. Must have been recognized as a Leader in the most recent Gartner Magic Quadrant for Data Center and Cloud Networking available at the time of bidding. Request to remove this requirement.	We maintain this requirement.
	D. 2 UNITS OF WAN SWITCH FOR SSS MAIN OFFICE	
62	Item 4. Must have support for physical backplane stacking of up to eight (8) switches using dedicated hardware stacking ports separate from downlink/uplink ports, with at	

	<p>least 475 Gbps of stacking bandwidth for operational efficiency.</p> <p>Request to lower the stacking bandwidth to 200 Gbps. Or equivalent technology to stacking.</p>	We maintain this requirement.
63	<p>Item 5. Must have support for aggregation of power across switch stack for resilient power distribution and redundancy across the stack. Stacking cables (at least 0.3 meter) must be included for stacked WAN switch deployment.</p> <p>Request to remove this requirement. We do not support this feature.</p>	We maintain this requirement.
64	<p>Item 6. Must have highly resilient architecture for stacked deployment that allows stateful switch over with sub-50- milliseconds failover.</p> <p>Request to increase to 200ms</p>	We maintain this requirement.
65	<p>Item 11. Must have at least 8 GB DRAM and 16 GB flash</p> <p>Request to lower the memory to 2 GB DDR4</p>	We maintain this requirement.
66	<p>Item 12. Must have at least 16 MB packet buffer</p> <p>Request to lower the packet buffer to 8 MB</p>	We maintain this requirement.
67	<p>Item 17. Must have built-in RFID tag for easy asset and inventory management using commercial RFID readers</p> <p>Request to remove this requirement. We don't have an RFID tag on switches. Or "Asset Management must be included in the NMS"</p>	We maintain this requirement. Bidder can provide equivalent RFID and network asset inventory management solutions.
68	<p>Item 18. Must have support for full application flow analysis, export, allow flows to be user-defined to customize the data collection to fit specific requirements and capable of delivering flow collection with at least 62,000 flows.</p> <p>Request to lower the flow to 32,800</p>	We maintain this requirement.
69	<p>Item 22. Hardware must be ready to support external field-replaceable USB 3.0 SSD pluggable storage with up to 120GB capacity for third party container-based application hosting</p> <p>Request to remove this requirement. We do not support this feature.</p>	We maintain this requirement.

	E. 2 UNITS OF NETWORK SERVICE SWITCH FOR SSS MAIN OFFICE	
70	<p>Item 4. Must have support for physical backplane stacking of up to eight (8) switches using dedicated hardware stacking ports separate from downlink/uplink ports, with at least 475 Gbps of stacking bandwidth for operational efficiency.</p> <p>Request to lower the stacking bandwidth to 200 Gbps. Or equivalent technology to stacking.</p>	We maintain this requirement.
71	<p>Item 5. Must have support for aggregation of power across switch stack for resilient power distribution and redundancy across the stack. Stacking cables (at least 0.3 meter) must be included for stacked WAN switch deployment.</p> <p>Request to remove this requirement. We do not support this feature.</p>	We maintain this requirement.
72	<p>Item 6. Must have highly resilient architecture for stacked deployment that allows stateful switch over with sub-50- milliseconds failover.</p> <p>Request to increase to 200ms</p>	We maintain this requirement.
73	<p>Item 10. Must have at least 8 GB DRAM and 16 GB flash</p> <p>Request to lower the memory to 2 GB DDR4</p>	We maintain this requirement.
74	<p>Item 11. Must have at least 16 MB packet buffer</p> <p>Request to lower the packet buffer to 8 MB</p>	We maintain this requirement.
75	<p>Item 16. Must have built-in RFID tag for easy asset and inventory management using commercial RFID readers</p> <p>Request to remove this requirement. We don't have an RFID tag on switches. Or "Asset Management must be included in the NMS"</p>	We maintain this requirement. Bidder can provide equivalent RFID and network asset inventory management solutions.
76	<p>Item 18. Must have support for full application flow analysis, export, allow flows to be user-defined to customize the data collection to fit specific requirements and capable of delivering flow collection with at least 62,000 flows.</p> <p>Request to lower the flow to 32,800</p>	We maintain this requirement.

77	<p>Item 21. Hardware must be ready to support external field-replaceable USB 3.0 SSD pluggable storage with up to 120GB capacity for third party container-based application hosting</p> <p>Request to remove this requirement. We do not support this feature.</p>	We maintain this requirement.
	F. 2 UNITS OF SERVICE CORE SWITCH FOR SSS DISASTER RECOVERY SITE	
78	<p>Item 15. Must have support for external bluetooth dongle to be connected to the proposed switch to allow wireless console access for management and configuration using Web UI/CLI including image transfer</p> <p>Request to remove this requirement. We don't support external bluetooth dongle. Or instead request to add "Asset Management feature must be included in the NMS"</p>	We maintain this requirement.
79	<p>Item 17. Must have built-in RFID tag for easy asset and inventory management using commercial RFID readers</p> <p>Request to remove this requirement. We don't have an RFID tag on switches. Or "Asset Management must be included in the NMS"</p>	We maintain this requirement. Bidder can provide equivalent RFID and network asset inventory management solutions.
80	<p>Item 18. Must have support for NAT, OSPF, BGP, IS-IS, PIM SSM, PIM SM, MSDP, VRF and OSPv3.</p> <p>Request to remove NAT</p>	We maintain this requirement.
81	<p>Item 19. Must have support for IEEE 802.1ae MACsec with AES-256 bit encryption</p> <p>Request to remove this requirement or make it optional.</p>	We maintain this requirement.
82	<p>Item 20. Must have feature to allow user customize templates to modify TCAM resource allocation to maximize system usage for a specific function</p> <p>Please explain the use case.</p>	Customizable templates to modify the Ternary Content Addressable Memory (TCAM) feature are handy during initial configuration of the switch and during troubleshooting as this TCAM is commonly used for Routing table lookups, Access Control List (ACL), Quality of Service (QoS) and VLAN management.
83	<p>Item 21. Must have support for full application flow analysis, export, allow flows to be user-defined to customize the data collection to fit specific requirements and capable of delivering flow collection up to of at least 254,000 flows</p>	

	Request to lower the flow requirement to 32,700	We maintain this requirement.
84	Item 23. Must have support for in-service software upgrade (ISSU) for Core Switch high availability deployment to eliminate network downtime during software image upgrades Request to remove this requirement. We do not support ISSU	We maintain this requirement.
85	Item 24. Must have support for software patch fixes during operation for critical fixes which eliminates the need to perform a full software image upgrade and can take effect without reloading the switches to minimize traffic impact Request to remove this requirement. Our switches need to reset to fully take effect the fixes	We maintain this requirement.
86	Item 25. Hardware must be ready to support external hot-swappable SATA SSD storage with up to 960GB capacity for third party container-based application hosting Request to lower the capacity to 120GB.	We maintain this requirement.
	G. 2 UNITS OF SERVER CORE SWITCH FOR SSS DR SITE	
87	Item 7. Must have at least 11.8 Tbps Switching Bandwidth Request to lower the switching bandwidth to 6.4 Tbps	We maintain this requirement.
88	Item 8. Must have at least 3.8 Bpps forwarding rate Request to lower the forwarding rate to 2000 Mpps	We maintain this requirement.
89	Item 9. Must have at least 32 GB memory Request to lower the memory to 16 GB	We maintain this requirement.
90	Item 10. Must have at least 80 MB buffer Request to lower the buffer to 32 MB	We maintain this requirement.
91	Item 12. Must have at least 895,000 IPv4 and IPv6 host entries	

	Request to lower the IPv4 and IPv6 host entries or ARP to 40,000	We maintain this requirement.
92	Item 13. Must have at least 255,000 MAC Address Request to lower the MAC address to 160,000	We maintain this requirement
93	Item 14. Must have at least 30,000 Multicast routes Request to lower the multicast routes to 6,000	We maintain this requirement.
94	Item 15. Must have at least 30,000 IGMP Snooping groups Request to lower the IGMP Snooping groups to 6,000	We maintain this requirement.
95	Item 18. Must have at least 15,000 VRF Instances Request to lower the VRF instances to 256	We maintain this requirement.
96	Item 20. Must have OSPF, BGP, VXLAN BGP EVPN, PIM-SM, SSM, MSDP and VRF routing protocols support Request to remove the VXLAN BGP EVPN or must state equivalent technology. We don't use BGP EVPN and VLXLAN for Fabric.	We maintain this requirement
97	Item 27. Must have support for in-service software upgrade (ISSU27) for Core Switch high availability deployment to eliminate network downtime during software image upgrades Request to remove this requirement. We do not support ISSU	We maintain this requirement.
98	Item 29. Must have support for software patch fixes during operation for critical fixes which eliminates the need to perform a full software image upgrade and can take effect without reloading the switches to minimize traffic impact Request to remove this requirement. Our switches need to reset to fully take effect the fixes	We maintain this requirement.
99	Item 31. Must have been recognized as a Leader in the most recent Gartner Magic Quadrant for Data Center and Cloud Networking available at the time of bidding.	

	Request to remove this requirement.	We maintain this requirement.
	H. 2 UNITS OF WAN SWITCH FOR SSS DR SITE	
100	<p>Item 4. Must have support for physical backplane stacking of up to eight (8) switches using dedicated hardware stacking ports separate from downlink/uplink ports, with at least 475 Gbps of stacking bandwidth for operational efficiency.</p> <p>Request to lower the stacking bandwidth to 200 Gbps. Or equivalent technology to stacking.</p>	We maintain this requirement.
101	<p>Item 5. Must have support for aggregation of power across switch stack for resilient power distribution and redundancy across the stack. Stacking cables (at least 0.3 meter) must be included for stacked WAN switch deployment.</p> <p>Request to remove this requirement. We do not support this feature.</p>	We maintain this requirement.
102	<p>Item 6. Must have highly resilient architecture for stacked deployment that allows stateful switch over with sub-50- milliseconds failover.</p> <p>Request to increase to 200ms</p>	We maintain this requirement.
103	<p>Item 11. Must have at least 8 GB DRAM and 16 GB flash</p> <p>Request to lower the memory to 2 GB DDR4</p>	We maintain this requirement.
104	<p>Item 12. Must have at least 16 MB packet buffer</p> <p>Request to lower the packet buffer to 8 MB</p>	We maintain this requirement.
105	<p>Item 17. Must have built-in RFID tag for easy asset and inventory management using commercial RFID readers</p> <p>Request to remove this requirement. We don't have an RFID tag on switches. Or "Asset Management must be included in the NMS"</p>	We maintain this requirement. Bidder can provide equivalent RFID and network asset inventory management solutions.
106	<p>Item 18. Must have support for full application flow analysis, export, allow flows to be user-defined to customize the data collection to fit specific requirements and capable of delivering flow collection with at least 62,000 flows.</p> <p>Request to lower the flow to 32,800</p>	

		We maintain this requirement.
107	<p>Item 22. Hardware must be ready to support external field-replaceable USB 3.0 SSD pluggable storage with up to 120GB capacity for third party container-based application hosting</p> <p>Request to remove this requirement. We do not support this feature.</p>	We maintain this requirement.
	I. 2 UNITS OF NETWORK SERVICE SWITCH FOR SSS DR SITE	
108	<p>Item 4. Must have support for physical backplane stacking of up to eight (8) switches using dedicated hardware stacking ports separate from downlink/uplink ports, with at least 475 Gbps of stacking bandwidth for operational efficiency.</p> <p>Request to lower the stacking bandwidth to 200 Gbps. Or equivalent technology to stacking.</p>	We maintain this requirement.
109	<p>Item 5. Must have support for aggregation of power across switch stack for resilient power distribution and redundancy across the stack. Stacking cables (at least 0.3 meter) must be included for stacked WAN switch deployment.</p> <p>Request to remove this requirement. We do not support this feature.</p>	We maintain this requirement.
110	<p>Item 6. Must have highly resilient architecture for stacked deployment that allows stateful switch over with sub-50- milliseconds failover.</p> <p>Request to increase to 200ms</p>	We maintain this requirement.
111	<p>Item 10. Must have at least 8 GB DRAM and 16 GB flash</p> <p>Request to lower the memory to 2 GB DDR4</p>	We maintain this requirement.
112	<p>Item 11. Must have at least 16 MB packet buffer</p> <p>Request to lower the packet buffer to 8 MB</p>	We maintain this requirement.

113	<p>Item 16. Must have built-in RFID tag for easy asset and inventory management using commercial RFID readers</p> <p>Request to remove this requirement. We don't have an RFID tag on switches. Or "Asset Management must be included in the NMS"</p>	<p>We maintain this requirement. Bidder can provide equivalent RFID and network asset inventory management solutions.</p>
114	<p>Item 18. Must have support for full application flow analysis, export, allow flows to be user-defined to customize the data collection to fit specific requirements and capable of delivering flow collection with at least 62,000 flows.</p> <p>Request to lower the flow to 32,800</p>	<p>We maintain this requirement.</p>
115	<p>Hardware must be ready to support external field-replaceable USB 3.0 SSD pluggable storage with up to 120GB capacity for third party container-based application hosting</p> <p>Item 21. Request to remove this requirement. We do not support this feature.</p>	<p>We maintain this requirement.</p>