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July 18<sup>th</sup>, 2019

**ADDENDUM #1** to the University of Florida Invitation to Negotiate ITN 20RL-104 Network Switches for Campus Buildings solicitation scheduled to open on July 31<sup>st</sup>, 2019 3:00 PMET at the University of Florida, Elmore Hall Conference Room, Radio Road, Gainesville, Florida.

This addendum consists of:

- Responses to written questions submitted by the “Schedule of Events” deadline of June 11<sup>th</sup>, 2019 by 5:00 PM

This addendum shall be considered part of the Contract Documents for the above mentioned ITN 20RL-104 as though it had been issued at the same time and incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original document, this addendum shall govern and take precedence. All other terms, conditions, and regulations will apply.

Sincerely,

Rob Luetjen  
Procurement Agent III

**Please acknowledge receipt of Addendum #1 by signing below and returning this addendum with your proposal. Failure to include addendum with your proposal may result in rejection.**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Company Address

\_\_\_\_\_  
City/State/Zip

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## Vendor Questions Network Switches for Campus Buildings ITN 20RL-104

- 1) **Question:** Regarding Attachment A, please explain what is expected for response to “Detailed Configuration” in each section?  
**Answer:** “Detailed configuration” refers to the complete part list (replaceable vs. fixed – non-replaceable)
- 2) **Question:** Attachment B line 35: Is the intent of this statement to be able to program optics to operate on any manufacture’s platform, or is the intent to insure there is a mechanism on the switching platform to accept third-party optics?  
**Answer:** The intent is to accept third-party optics
- 3) **Question:** Attachment B line 52: can you give specifics of "rich set of features" and what "switch fabric elements" are of concern?  
**Answer:** We want to be able to run all the features that we have specified without seeing a reduction in switching performance. If the product comes with additional features beyond those specified, we want the ability to turn any and all features on/off without impacting basic Layer 2/Layer 3 functionality.
- 4) **Question:** Attachment B, line 58: What style or method of Orchestration is intended for use?  
**Answer:** We are looking for a list of orchestration tools, API’s and custom connectors that your product has that allows us to integrate with different systems such as: Solarwinds, Intermapper, Nagios, NetMRI, etc.
- 5) **Question:** Section 1.1 states “The University of Florida has over 500 networked buildings...”; how many buildings are involved in this ITN over the 5-year period?  
**Answer:** All
- 6) **Question:** Is there currently fiber connections between each building (ring) or just to core (spoke)?  
**Answer:** Yes, there is currently fiber to the buildings and fiber to the core.
- 7) **Question:** Section 1.2 indicates estimated total quantity of 245 BPOP switches; does that include redundancy?  
**Answer:** Yes
- 8) **Question:** Are BPOP switches anticipated to cover multiple buildings?  
**Answer:** 80-90% cover 1 building.
- 9) **Question:** Does UF have plans/intend to run additional fiber from building to building? Buildings to core?  
**Answer:** When needed.
- 10) **Question:** Can you provide detailed fiber map of campus?  
**Answer:** Please contact UF Procurement ([procurement@ufl.edu](mailto:procurement@ufl.edu)) directly to request an example of a building provided in the ITN. Every other building is similar to that building.
- 11) **Question:** What is the make/model of the most prevalent desk phones used for VOIP?  
**Answer:** Cisco 8811, 8831, 8851, 8845, 8861

- 12) **Question:** What management software is used in current environment to manage the CBN?  
**Answer:** Nagios, NetMRI, Chef, Puppet, and Ansible.
- 13) **Question:** In this refresh project, what services are you looking to be delivered?  
**Answer:** We are looking for direct manufacturer hardware & software support, training, and potentially installation, configuration, and monitoring.
- 14) **Question:** What is the procedure followed for doing hardware refresh in the present environment?  
**Answer:** The procedure is manual installation and configuration. Devices have manual code level upgrades, new IP ranges when needed, additional VLAN environments brought in and manual configurations based on design standards. On site patch list confirmation, TR/rack redesign and patch cabling replacement and rerouting were needed. Manual Documentation and requests which include pinnacle, prime, port level descriptions E911, Stars(map) and network diagram(pdf).
- 15) **Question:** Please share the current architecture of the all DC LAN and sample of one remote location architecture. We wanted to see the positioning and connectivity for the current switches that are required to be refreshed?  
**Answer:** Please refer to Attachment C diagram which includes a sample building for positioning and connectivity.
- 16) **Question:** Please provide details of known single point of failures in the infrastructure.  
**Answer:** The only potential single point of failure is the fiber going to the core from each building.
- 17) **Question:** Inventory assessment – Please share the current inventory with hardware make, model and serial number. This is required to validate when would be an asset due to be refreshed (year on year basis).  
**Answer:** Our goal is a 5-year refresh cycle irrespective of when the product goes end of life or end of support. Please reference the quantities specified in this ITN.
- 18) **Question:** Please share the location details where refresh is required.  
**Answer:** Locations not available at this time.
- 19) **Question:** For testing the features, will customer be providing the environment or is the vendor expected to do POC in its own Lab?  
**Answer:** Yes, we can provide space in our Data Center. The vendor is expected to provide the hardware.
- 20) **Question:** Are you looking for CAPEX based or OPEX based procurement model?  
**Answer:** Primarily CAPEX
- 21) **Question:** Who will be responsible for providing hands and feet support – Customer or Vendor?  
**Answer:** Both – for testing and ongoing support after implementation.

- 22) **Question:** Apart from providing quotes for switches, is a vendor expected to provide quotes for SFPs, cables etc.?  
**Answer:** The vendor has the option to provide the complete solution. We reserve the right to select the best option that meets the university's need.
- 23) **Question:** What type of maintenance contract is required - 8x5xnbnd or 24x7x4?  
**Answer:** Provide all options available.
- 24) **Question:** Are you looking to upgrade your infrastructure to next-gen technologies like SDN/SD-Access (ACI, DNAC)?  
**Answer:** We are in the process of doing some of this already.
- 25) **Question:** If a vendor chooses to propose different full-solution options from different manufacturers, does the University allow for each option to be included within a single proposal? Or does the University require separate proposals, one for each manufacturer?  
**Answer:** The vendor may submit more than one proposal within your bid response. Please ensure that each proposal is clearly marked with the manufacture name.
- 26) **Question:** In reviewing the ITN is it not clear if configuration, installation and day 2 support is in scope for the ITN. Please clarify if these items should be addressed in vendor ITN responses.  
**Answer:** We are looking for direct hardware and software support from the manufacturer. We are open to the option for configuration and installation from the reseller.
- 27) **Question:** In Section 2.1, item 2 "Vendor Support": Is not showing any verbiage after bullet "b". Please clarify if this item is needed  
**Answer:** Section 2.1, Vendor support, bullet b, can be removed.
- 28) **Question:** In Section 4.1.1, Proposal Format, Tab 7: Please further explain or provide an example of "third party software mark-up %" and what it would apply to?  
**Answer:** Please provide the software mark-up % if the solution you are proposing requires any third-party software.
- 29) **Question:** In "Attachment A Network Switches for Campus Buildings PRICE SHEET", does the "Alternate" option for each type of switch relate to the Higher Performing option in the ITN document? For example, does "Alternate BPOp Layer 3 Aggregation Switch Proposed" in the price sheet relate to the section 4.1.1 Tab 3 (also in section 1.2.1) under "Higher Performance Layer3 BPOp" of the ITN document?  
**Answer:** Yes
- 30) **Question:** In section 1.2.1 under "Technical Specifications/General Needs for all Switches/Required" there is a requirement for "10M shared port buffer (minimum)". If a solution provided per port dedicated buffer that adds up to much larger than 10M, will this fit the requirement?  
**Answer:** Yes
- 31) **Question:** In section 1.2.1 under "Technical Specifications/BPOp (L3 Aggregation switch) Specific Needs/Higher Performance Layer3 BPOp", what is meant by "upgrade path" in the statement "Identify a switch that would provide the features below as an upgrade path for higher bandwidth connectivity"? Does this mean that the same switch that meets the requirements in the section 1.2.1 under "Technical Specifications/BPOp (L3 Aggregation

switch) Specific Needs/Required" needs to be upgradable to meet the requirements in "Higher Performance Layer3 BPop"?

**Answer:** This could be the same switch with swappable modules or the base level L3 BPop and the high performance Layer 3 BPop could be different switches. This could apply to the Layer 2 access switches as well.

32) **Question:** In section 1.2.1 under "Technical Specifications/BPop (L3 Aggregation switch) Specific Needs/Higher Performance Layer3 BPop", what # of ports is needed? Would it be the same as in the "Required" section, at least 12 ports?

**Answer:** Yes

33) **Question:** In section 1.2.1 under "Technical Specifications/WorkGroup (L2 Access Switch) Specific Needs/Higher Performance Workgroup Switch", in the statement "Identify a switch within the same switch family that could be added to a workgroup stack to support this functionality", what is meant by adding the Higher Performance Workgroup Switch to a workgroup stack? What is the mechanism that is required to "stack" the switches?

**Answer:** We want to understand if you are recommending a certain switch, which switches within a product line work within the stack.

34) **Question:** In section 4.1.1 Tab 7, there's a statement "Hourly rates for ongoing Professional Services for post-implementation for the full five-year period. There's also a section in "Attachment A Network Switches for Campus Buildings PRICE SHEET" that asks for "Hourly rates for ongoing Professional Services for post-implementation for the full five-year period." To clarify, is there also a need for install professional services, or only post-install professional services?

**Answer:** Yes, we are open to the option of installation service.

35) **Question:** In "Attachment A Network Switches for Campus Buildings PRICE SHEET" can you clarify what is meant by "(3) Catalog-based Discount (%) for items not listed herein."

**Answer:** Please provide a % Discount on all other Catalog items not included in the solution that your proposing.

36) **Question:** In "Attachment A Network Switches for Campus Buildings PRICE SHEET" can you clarify what is meant by "Detailed Configuration." Is this a request for a detailed parts list for each switch type?

**Answer:** "Detailed configuration" refers to the complete part list (replaceable vs. fixed – non-replaceable)