


ADDENDUM TO RFQ/P DOCUMENTS

 SOLANO COMMUNITY COLLEGE	ADDENDUM: #01
	SCCD RFQ: #15-015
	Project: Solano Community College District Districtwide Network Infrastructure RFQ/P
	Date: 3/05/15 All Addendums can be found at the District Purchasing website: www.solano.edu/purchasing

Addendum No. 1 – The following clarifications are provided based on questions received and must be added/considered when completing your submittal: Acknowledgement of receipt of this **ADDENDUM** is required on the Statement of Qualification **cover letter** of introduction. Please clearly note the addendum date and number.

GENERAL ITEMS:

- 1. PROPOSAL DUE DATE:** Due to the number of requests for an extension, and the District’s interest in giving respondents adequate time to prepare a professional, thorough, and complete proposal, the due date for submission of electronic proposals has been revised to: **Wednesday, March 18, 2015, midnight - 23.59:59 hours**
- 2. PRE-PROPOSAL PRESENTATION:** To view the “District Roadmap” Prezi presentation from the Pre-Proposal Conference refer to the following link:

http://prezi.com/gtt0o-ekkrz3/?utm_campaign=share&utm_medium=copy&rc=ex0share
- 3. DIVISION 27 - COMMUNICATIONS Section 27 13 23 – Communications Optical Fiber Backbone Cabling**
 - a. The district prefers that the entire Network Infrastructure Project be undertaken by a single “technology manufacturer/prime vendor/network integrator”. Any entity bidding on the entire project including fiber optical backbone cabling (either directly or through the use of a subcontractor(s) that is acceptable to the district) is encouraged to avail themselves for site walks which is specifically intended to address underground pathways, conduits and cabling manholes etc.
 - b. The districts expects that any entity whose bid includes fiber/cabing will have made every reasonable effort to provide accurate RFQ/P bid information based on a full subset of information discovered through site walkthroughs offered by the district. Discovery of aforementioned information will be the responsibility of the bidder accepting that all reasonable access and all currently available information will be provided by SCC.

4. COMPANY QUALIFICATIONS AND EXPERIENCE:

- a. Respondents are to include all information to help the District understand your team's capabilities and relevant experience.

5. ATHLETIC FIELDS

- a. Refer to **Exhibit AD-1** for layout of existing empty conduit from building 1700B Data Room to Athletic Fields.
- b. Provide separate price line item for installing 10GBS fiber to Athletic fields. Dual path is not required.
- c. Acceptable alternative: FSO/Microwave at min 2GBS

6. ACCESS DISTRICT DRAWINGS: To research all Campus drawing documents, vendors may view all available drawings at the online Blue Print Express link:

blueprintexpress.com/kitchell

username: michael.dossa@solano.edu

password: **kitchell678**

The password will be changed after 3/13/15.

7. FIBER CABLING AND PORT INVENTORY:

For a record of District Fiber Pairs and Port Inventory, refer to **Exhibit AD-2 Fiber Cabling** and **Exhibit AD-3 Port Inventory** (attached to this RFQ/P)

8. CONTRACTUAL TERMS AND CONDITIONS:

Following are important District contractual terms and conditions:

A. Expenses. District shall not be liable to vendor/contractor for any costs or expenses paid or incurred by vendor/contractor in performing services for District.

B. Termination. Subject to Contract Negotiations

C. Indemnification. To the furthest extent permitted by California law, Vendor/Contractor shall defend, indemnify, and hold harmless the District, its Governing Board, agents, representatives, officers, consultants, employees, trustees, and volunteers (the "indemnified parties") from any and all claims arising out of, pertaining to, or relating to the negligence, recklessness, or willful misconduct of the Vendor/Contractor. The District shall have the right to accept or reject any legal representation that Vendor/Contractor proposes to defend the indemnified parties.

D. Insurance.

- a. The Consultant shall procure and maintain at all times it performs any portion of the Services the following insurance with minimum limits equal to the amount indicated below.

Type of Coverage	Minimum Requirement
Commercial General Liability Insurance , including Bodily Injury, Personal Injury, Property Damage, Advertising Injury, and Medical Payments Each Occurrence General Aggregate	 \$ 1,000,000 \$ 2,000,000
Automobile Liability Insurance - Any Auto Each Occurrence General Aggregate	 \$ 1,000,000 \$ 2,000,000
Professional Liability	\$ 1,000,000
Workers Compensation	Statutory Limits
Employer's Liability	\$ 1,000,000

- i. **Commercial General Liability and Automobile Liability Insurance.** Commercial General Liability Insurance and Any Auto Automobile Liability Insurance that shall protect the vendor/contractor/consultant, the District, and the State from all claims of bodily injury, property damage, personal injury, death, advertising injury, and medical payments arising performing any portion of the Services. (Form CG 0001 and CA 0001, or forms substantially similar, if approved by the District.)

 - ii. **Workers' Compensation and Employers' Liability Insurance.** Workers' Compensation Insurance and Employers' Liability Insurance for all of its employees performing any portion of the Services. In accordance with provisions of section 3700 of the California Labor Code, the vendor/contractor/consultant shall be required to secure workers' compensation coverage for its employees. If any class of employee or employees engaged in performing any portion of the Services under this Agreement are not protected under the Workers' Compensation Statute, adequate insurance coverage for the protection of any employee(s) not otherwise protected must be obtained before any of those employee(s) commence performing any portion of the Services.

 - iii. **Professional Liability (Errors and Omissions).** Professional Liability Insurance as appropriate to the vendor/contractor/consultant's profession, coverage to continue through completion of construction plus two (2) years thereafter.
- b. **Proof of Carriage of Insurance.** The vendor/contractor/consultant shall not commence performing any portion of the Services until all required insurance has been obtained and certificates indicating the required coverage have been delivered in duplicate to the District and approved by the District. Certificates and insurance policies shall include the following:

- i. A clause stating: "This policy shall not be canceled or reduced in required limits of liability or amounts of insurance until notice has been mailed to the District, stating date of cancellation or reduction. Date of cancellation or reduction shall not be less than thirty (30) days after date of mailing notice."
 - ii. Language stating in particular those insured, extent of insurance, location and operation to which insurance applies, expiration date, to whom cancellation and reduction notice will be sent, and length of notice period.
 - iii. An endorsement stating that the District and its Governing Board, agents, representatives, employees, trustees, officers, consultants, and volunteers are named additional insured under all policies except Workers' Compensation Insurance, Professional Liability, and Employers' Liability Insurance. An endorsement shall also state that Consultant's insurance policies shall be primary to any insurance or self-insurance maintained by District. An endorsement shall also state that there shall be a waiver of any subrogation.
 - iv. All policies except the Professional Liability, Workers' Compensation Insurance, and Employers' Liability Insurance Policies shall be written on an occurrence form.
- c. **Acceptability of Insurers.** Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A:VII, unless otherwise acceptable to the District.
- E. Limitation of District Liability.** Other than as provided in this Agreement, District's financial obligations under this Agreement shall be limited to the payment of the compensation provided in this Agreement. Notwithstanding any other provision of this Agreement, in no event, shall District be liable, regardless of whether any claim is based on contract or tort, for any special, consequential, indirect or incidental damages, including, but not limited to, lost profits or revenue, arising out of or in connection with this Agreement for the services performed in connection with this Agreement.
- F. Calculation of Time.** For the purposes of this Agreement, "days" refers to calendar days unless otherwise specified.
- G. Project completion date.** Project completion date is 12/31/15. Liquidated Damages subject to contract negotiations.

ANSWERS TO SUBMITTED QUESTIONS:

Questions from Pre-Proposal Conference:

1. WAN provider is AT&T, what is the connectivity?

Answer: we have Optiman today and are converting to ASE as and when AT&T gets round to it.

2. What support is required for next generation Telephony?

Answer: We are currently a Cisco VOIP shop, so compatibility with current systems is required. The next generation network should be vendor agnostic, but capable of supporting all features and functionality of industry standards and all tier 1 manufacturers systems.

3. What is the need for distributed flow based architecture?

Answer: Vendor is to use their expertise to design system, based on the outcomes the District is seeking. Vendor is to design based on their systems capabilities and our desired outcomes, but you must meet the minimum standards already alluded to in the RFP.

4. Will you accept core non-blocking RSP architecture?

Answer: Vendor is to use their expertise to design system, based on the outcomes the District is seeking. Vendor is to design based on their systems capabilities and our desired outcomes, but you must meet the minimum standards already alluded to in the RFP.

5. You require and “Integrated Network Management System”.... Should this include Intrusion detection?

Answer: Vendor is to use their expertise to design system, based on the outcomes the District is seeking. Vendor is to design based on their systems capabilities and our desired outcomes, but you must meet the minimum standards already alluded to in the RFP.

6. Will connection to future Autotech and Biotech buildings be required? If so, please share preliminary plans of the buildings and site location.

Answer: No

Overview of Proposal Questions:

The structure and intent of the RFQ/P approach is to allow prospective vendors/partners to create your response/proposal based on the needs outlined in the RFQ/P and as explained at the pre-proposal conference and the site investigations and walkthroughs.

Answers to many of the questions received can be found in the detail included in the RFQ/P as published.

Note: If using a ring topography, the district is prepared to accept a single physical pathway (with dual electronic pathway) from the ring to each building for distances of less than 75'. For runs greater than 75' there is a requirement for dual physical pathways.

Questions for Solano Community College District

Company A Questions:

Networking:

1. What percentage of the 1GbE port counts listed are in use today?
Answer: *Each stack is using a single 1GbE SFP port to link to the core. The core has 48 1GbE SFP optic ports, almost 100% utilized. The core also has 144 GbE copper ports; about 75% utilization.*
2. Do the port counts listed include open ports for growth? If not, should we factor in a % of open ports for growth in our proposal?
Answer: *No growth, just current port counts. Some have minimal room for growth, others are completely maxed out.*
3. Do we need to plan for one 1GbE port per Wireless AP or two ports?
Answer: *We leave the implementation details and requirements to you.*
4. SCCD wishes to reuse existing optics, but do they have 10Gb SFP+ LR optics for all 10Gb uplinks between buildings and IDFs? If not, how many should we provide in our proposal?
Answer: *We have no 10Gb SFP+ optics. Your proposal should be turnkey and include all needed optics.*
5. Is SCCD planning to run OS2 SMF fiber between IDFs within each building? (for 10GbE switch stack interconnects)
Answer: *This would be part of your fiber cabling proposal.*

Wireless:

1. Are there floor plans that show existing AP's?
Answer: *Minimal documentation available.*
2. Can SCCD provide site plans for B900, B1000, B1850, Vacaville Annex, Vallejo Auto Center, and Nut Tree? These seem to be missing.
Answer: *Refer to item 6 above under General Items*

4. Will we be using standard brackets for attaching to a 9/16' or 15/16' T-bar drop ceiling?

Answer: *In locations with drop ceilings, yes. Elsewhere, other mounts might be required.*

5. Are there some areas that may need to be mounted greater than 10ft? If so, which areas are they and how high? For instance: B1900 (warehouse), B1700 (gym), B300 (large lecture hall), B1200 (theater) etc.

Answer: *Refer to item 6 above under General Items*

6. Which areas require outdoor wireless coverage?

Answer: *The existing ones as noted on the walkthroughs.*

7. How many users do you expect to support for 802.1x (total users per week)? Number of guests (total per day)? Number of devices that will need a certificate (total per day)? Number of devices that would need a NAC agent installed (total per day)?

Answer: *Per-user numbers are in the RFP.*

8. Section 27 21 33 – H – 5 asks whether there is a clear upgrade path to 802.11ax. 802.11ax has not yet been certified by the WiFi Alliance and none of the vendors have access points that support this standard yet. Could they clarify the requirement here a bit more?

Answer: *This is a question on the upgradeability on your proposed solution. We are well aware that the standards have not been finalized or ratified. History has shown that many forward looking manufacturers build in “upgradeability” through the creative use of software, firmware and or modular design.*

Network Access Control:

1. How many client devices do they expect would authenticated via 802.1x per week (total from wired, wireless and VPN)?

Answer: *User counts are in the RFP.*

2. How many guests do they expect per day (wired and wireless)?

Answer: *Again, we put user numbers in the RFP.*

3. Do they wish to wish to support EAP-TLS i.e push certificates to client devices. For example, would they like to secure Solano owned devices with a unique certificate for each device? If yes, how many devices do they expect to support?

Answer: *We leave the design to you.*

4. Do they wish to perform posture assessment on client devices I.e check whether firewall is enable, anti-virus is up to date, etc. If yes, how many devices would do they expect to support?

Answer: *Yes, again, in the RFP.*

General Questions:

- 1 Is there a requirement to provide five years of support along with five years of hardware maintenance.

Answer: *Yes.*

2. Are UPS required for the bid or will this be an addendum to the bid? If so, which buildings need to be scoped?

Answer: Yes they are required for the bid

5. Please provide a list of equipment for trade-in/disposal

Answer: Detail will be part of the negotiated contract; however please give a "best estimate for the trade in price for the following components"

**HP Procurve 4108 w/ 24-port 10/100 modules
Cisco Catalyst 3750 (v1 and v2) 24-port, 48-port, PoE enabled,
Cisco Catalyst 3560 24-port, 48-port, PoE enabled
Cisco Catalyst 4507R
Dell 3048PS**

6. How many people will require training?

Answer: Five

Security:

1. How many physical locations would be considered to be in the scope of this RFP? Please detail location type and use (i.e. datacenter, office, etc).

Answer: Locations and cabinets are mentioned in the RFP documents (port count inventories)

2. Of these locations, please describe the Internet connectivity including details about bandwidth capacity and utilization (if known). Also explain any redundancy and scalability strategies in respect to ingress/egress Internet points.

Answer: All Internet connectivity come from WAN links back to the Fairfield Campus, then to a gigabit AT&T circuit. Circuits are shown in the WAN connectivity diagram which is part of the Prezi for which a link has been provided.

3. How many total External IP's are in scope?

Answer: We have a class C block.

4. How many total Internal IP's are in scope?

5. **Answer: All the private IP space**

6. How many IDS/IPS in total would be considered to be included of the scope of this RFP? Please include any virtual IDS/IPS sensors in this count.

Answer: We leave the design to you. What devices would you be installing that you recommend should be monitored?

- a. Of the total, how many are Single (Stand-Alone) IDS/IPS?
 - i. What is the sustained throughput for each Single IDS/IPS?
- b. Of the total, how many are HA IDS/IPS Pairs? (2 physical devices as HA=1 HA IDS/IPS Pair)
 - i. What is the sustained throughput for each HA IDS/IPS Pair?

- c. IDS/IPS service level needs: (A) Monitoring only or (B) Monitoring + Device Management and/or Co-Management
- d. Please list the make / model / version of the IDS/IPS considered to be in the scope if this RFP.
- e. Describe the business use cases (i.e. "PCI environment, Internet Edge, DMZ, etc.") and locations where the IDS/IPS sensors are deployed.
- f. Would a fully managed IDS/IPS as a Service from Dell SecureWorks option be of interest as part of this RFP?

7. How many Firewalls in total would be considered to be in the scope of this RFP(physical + virtual)?

Answer: None. The firewalls are not a part of this scope.

- a. Of the total, how many are Single (Stand-Alone) Firewalls?
- b. How many nodes are behind each Single Firewall?
- c. Of the total, how many HA FW Pairs? (2 physical devices configured as HA=1 HA FW Pair)
- d. How many nodes are behind each HA FW Pair?
- e. Firewall service level needs: (A) Monitoring only or (B) Monitoring + Device Management and/or Co-Management
- f. What make / model / version of Firewalls are considered to be in the scope of this RFP?
- g. Describe the business use cases (i.e. "PCI environment, Internet Edge, DMZ, etc.") and locations where the firewalls are deployed.

8. How many Web Application Firewalls (WAF) in total would be considered to be in scope for this RFP?

Answer: None.

- a. Of the total, how many are Single (Stand-Alone) WAFs?
- b. What is the sustained throughput for each Single WAF?
- c. Of the total, how many are HA WAF Pairs? (2 physical devices as HA=1 HA WAF Pair)
- d. What is the sustained throughput for each HA WAF Pair?
- e. WAF service level needs: (A) Monitoring only or (B) Monitoring + Management and/or Device Co-Management
- f. What make / model / version of WAF?
- g. In what locations are the WAFs deployed?
- h. How many web applications in total are protected by your WAF(s)?
- i. How many unique application policies (rule-sets) in total across all web applications?

9. How many anti-malware systems (i.e. FireEye, Last line, etc.) in total would be considered to be included of the scope of this RFP? Please include any virtual devices in this count.

Answer: None

- a. Of the total, how many are Single (Stand-Alone)?

- b. What is the sustained throughput for each device?
- c. Of the total, how many are HA Pairs? (2 physical devices as HA=1 HA Pair)
- d. What is the sustained throughput for each HA Pair?
- e. Anti-Malware device service level needs: (A) Monitoring only or (B) Monitoring + Device Management and/or Co-Management
- f. Please list the make / model / version of the anti-malware devices considered to be in the scope if this RFP.
- g. Describe the business use cases (i.e. "PCI environment, Internet Edge, DMZ, etc.") and locations where the IDS/IPS sensors are deployed.

10. Would a fully managed anti-malware as a Service from Dell SecureWorks option be of interest as part of this RFP?

Answer: SAAS is not fundable through the bond. If this is offered as a one-time purchase then yes possibly.

11. How many servers would be considered to be in scope of this RFP?

Answer: None, except what is needed for the proposed solution (and which Dell would then provide)

- a. Of the total, how many are business critical?
- b. Of the total, how many are non-business critical?
- c. Of the total, how many are Windows?
- d. Of the total, how many are Linux/Unix?
- e. Of the total, how many are **other** than Windows/Linux/Unix?
- f. Of the total, how many are physical?
- g. Of the total, how many are virtual?

12. How many workstations (desktops, laptops, etc.) would be considered to be in scope for this RFP?

Answer: None

13. Is host based IDS/IPS in use?

Answer: No

- a. Please explain including vendor / version / features in use (i.e. encryption, application whitelisting and/or blacklisting, etc.).

14. Is anti-virus in use on the servers and workstations?

Answer: Yes

- a. If so, please explain vendor / version / features. **Microsoft System Center Endpoint Protection**

15. How many network devices (i.e. routers, switches, wireless controllers, wireless access points, etc.) are considered to be in scope for this RFP?

Answer: Your system design will determine that.

- a. Of the total, how many are business critical?
- b. Of the total, how many are business non-critical?

- c. Of the total, how many routers?
 - i. Please list make(s) /model(s)
- d. Of the total, how many switches?
 - i. Please list make(s) /model(s)
- e. Of the total, how many wireless controllers?
 - i. Please list make(s) /model(s)
- f. Of the total, how many wireless access points?
 - i. Please list make(s) /model(s)
- g. Of the total, how many other types of network devices not listed above?
 - i. Please explain.
 - ii. Please list make(s) /model(s)

16. How many devices in total require Raw Log Retention?

Answer: *Totally depends on the devices you are including in your response that will require it?*

17. How many days of online storage are needed?

Answer: *At least 30 days, plus historical reporting*

- a. Are there any compliance mandates dictating the duration of log storage?

18. What is the estimated aggregate total of your log traffic per day? (GB/EPS/EPD)

Answer: *Unknown. We do not keep logs currently*

19. Are there any SEIM platforms in use (i.e. ArcSight, Splunk, Log Logic, Envision, Q Radar, etc.)?

Answer: *No*

- a. If so, please explain use cases and what any expectations are in the context

Additional Questions:

1. Cabling and switches in the Stadium are part of the bid (Wireless at the Stadium will be next phase). I don't think that switches for this are included in the parts inventory. Can you please provide port count requirements for the stadium? And, confirm If wireless in the stadium is required?

Answer: *There is no existing cabling or equipment in the stadium. And yes, wireless is required*

2. The AP's will all require an additional port that is not being used by the AP's today; it does not appear that this has been accounted for in the port count. Is that correct?

Answer: *Correct*

3. What are the requirements for graceful degradation of priority?

Answer: *Partner to recommend an optimal degradation scheme*

4. Will redundant switch connections be a requirement for any endpoint devices?

Answer: *Only if any proposed equipment requires it (i.e. access points)*

5. Is it valid to assume that no storage protocols will be traversing the proposed network i.e. iSCSI, FCOE, etc...

Answer: *Not currently*

6. Will outdoor wifi coverage be a requirement in the current RFP?

Answer: *Covered in the RFP*

If yes:

7. What outdoor areas need coverage?

Answer: *Duplicate existing coverage areas. Buildings 1300, 1400, 600, Vacaville center, and Vallejo Center*

8. What are the detailed SLA requirement for the network (including recovery in the case of a loss of building?)

Answer: Currently we do not have detailed SLA for our network. Our forecast Service Level Outcomes in our Management by Objectives (MBOs) planning indicates 99.99% (four nines) availability by 2017 and 99.999% (five Nines) availability (uptime) by 2018. Non-availability does not include planned downtime for pre-planned maintenance and/or upgrades.

9. Will the NOC be required to be built for presentation?

Answer: The new NOC (physical infrastructure) will be built out by district staff, on a timeframe integrated with the final delivery schedule from the selected partner.

10. Submittal Format: On page 27 13 23-3 - 1.03 Submittal A. Please clarify the reference to Section 01 33 00.

Answer: *Provide as per 27 21 00 – 1.06 Submittals*

Company B Questions:

Networking:

1. Will replaced cabling, that may potentially have a future use (like OM1, multimode fiber), need to be removed after the network has been cut over to the new fiber?

Answer: *Yes*

2. Is the removal of all abandoned cabling in the underground conduits be required? Does this include conduits in which no new cabling has been run?

Answer: Yes, particularly where space needs to be reclaimed.

If yes:

Is there any clear documentation of which cable systems have been abandoned?

Answer: No

3. Is there a requirement to remove any cabling in the buildings themselves? If yes, what are those requirements?

Answer: Yes, the fiber that is being replaced. Also any access point cable runs that are not used.

General:

1. Are UPS's part of the current RFP? The presentation implied that UPS were part of the current RFP but the RFP itself doesn't mention them.

Answer: Yes.

If yes:

Will redundant inverters be required in the IDF's?

Answer: No.

Will the MDF in building 100 require a comprehensive data center UPS solution?

Answer: Yes

Company C Questions:

General:

1. Sole Source has been brought up several times in the RFP, is the intent for the Master Vendor to provide documentation for Sole Source?

Answer: No. Sole source agreement for 5 years with option for an additional five will be part of contract negotiations.

1. Page 9 of PDF RFP

a. Outcomes for this project include

i. Sole Source standardization district-wide.

2. Section 27 21 33 – Data Communications Wireless Access Points page 1 Sole Source Documentation

2. How often and where are the Steering Committee briefings?

Answer: Once a month

3. DIVISION 27 COMMUNICATIONS Section 27 21 00 – Data Communications Network Equipment Page 21
 - a. 3.05 Project Management
 - i. Vendor Project Manager shall:
 1. Provide project management throughout the project. The Vendor Project Manager will collaborate and participate in Steering Committee briefings.
4. Section 27 21 26 - Data Communications Network Management page 18

3. Some of our solution will more than likely be able to leverage virtual appliances in an effort to meet your functionality and green requirements. Can SCCD provide information concerning what resources we may have access to in your existing Data Center environment? This information would ideally include VMWare software versions, licensing levels, and hardware capacity set aside for virtual appliances?
Answer: Currently there are no available virtualization resources. Once the core is replaced, we have a blade chassis that can utilize 10GbE uplinks which can provide resources. First priority will be given to migrate our current VMware infrastructure; there will be additional resources available. It will be VMware vSphere 5.5. ESXi licensing already taken care of.
5. Are servers located at each site or are all application services centralized? (Vacaville, Vallejo, Nut Tree)?
Answer: There are a small number of servers at Vacaville Center, Vallejo Center, and Vacaville Annex. Mostly local domain controllers and security camera storage servers/SANs.
6. Does SCCD have cut-sheets and drawings from the recent Data Center upgrade? If so, is it possible to get copies of those documents to ensure our design is optimized?
Answer: The only upgrades done were the purchase of additional SAN storage space and new blades for an existing chassis.

Company D Questions:

1. Confirm we can remove all coax to install new fiber?
Answer: Yes this is required
2. Confirm we can remove fire alarm wire to install new fiber?
Answer: Yes – all old unused cables should be removed
3. If we do not need to remove coax or fire alarm wire for install of new fiber. Do they still want us to quote demo?
Answer: Yes, remove it
4. Confirm all buildings, IDF, and areas that need fiber?
Answer:

5. Confirm fiber counts for all buildings and areas (baseball, soccer, football fields, etc.)
Answer: *Number of pairs is dependent on their proposed solution that meets the scope of the project.*
6. Does Vallejo Auto Center & Nut Tree require new fiber?
Answer: *No*

Wireless Questions:

1. Outdoor wireless coverage is required in which areas? Please specify on map.
Answer: *Only existing coverage. Already covered in another request*
2. What is the number of concurrent connections requirements for large classrooms, cafeterias, and auditoriums? What is the capacity of each of these rooms?
Answer: *Already addressed in the RFP*
3. What is the capacity of the large meeting rooms?
Answer: *Already addressed in the RFP*
4. Is the 1 to 1 school initiative required for this RFP?
Answer: *N/A*

Wired Questions:

1. Can you provide a Visio diagram of the existing layout of your network for both a macro view and individual sites?
Answer: *No*
2. You provided a "Port Inventory" PDF that outlines what you currently have, but what is the current utilization of those ports? How many do you have in use and how many do you expect to need for this project? Could you break it down by MDF/IDF/Location?
Answer: *Most (90%+) ports are in use. Some are completely used*
3. Do you currently have a COLO? If not, is that something that you'd be willing to accept in the bid as part of the solution?
Answer: *We do not. That is out of the scope*
4. In 2.03, Question 5, you state, "Please describe the capability of your switch to accept SFP/SFP+ transceivers from other manufacturers. The College has a significant investment in SFP/SFP+ optics, and we will repurpose these existing assets. Is there a cost to add any features to use other manufactures transceivers? Is support altered in any fashion by using other vendor's transceivers?".
If the plan is to utilize as many SFP/SFP+ transceivers that you currently have in stock, can you provide a quantity list of each as well as manufacturer so we can confirm compatibility as well as need for more in possible new design?
Answer: *All SFPs are Cisco, 1000BaseSX and 1000BaseLH*

NAC question:

1. In the context of this RFP, please define “thorough vulnerability scans” for NAC.
Answer: As our “expert partner” you suggest to us! But at a minimum: Check for infection, serious vulnerabilities/exploits, patch level, virus definitions, etc

Company E Questions:

Proposal Guidance Questions:

- 1 How does SCC wish to be presented with proposal pricing?
- 2 If possible, would you please provide more detailed guidance for how SCC wants bidders to present REQUIRED cost elements, OPTIONAL cost elements, SAMPLE/REPRESENTATIVE cost elements?
- 3 As a follow on to question 2 would you please explain how these various types of costs will be evaluated?

Answers to Q 1-3 above: How bidders present pricing is at your discretion. This will be indicative of “how you think” and how you present critical information. In and of itself this will be a good indicator as to whether you are a good “fit” for the district team.

- 4 Would you please provide a description of the ISP/OSP, NW Equipment, NMS, and WLAN Procurement and Installation Activities anticipated for Year 1, and those anticipated for years 2-5.

Answer: The entire scope of this RFP is to be completed by 12/31/2015 All NW equipment, NMS and WLAN should be installed in year one; ISP/OSP work should be completed in year one to accommodate future growth/buildings in years 2-5

- 5 We attended the Mandatory meeting on behalf of our Prime Partner Raytheon and given verbal okay that they would be able to submit a bid-response?

Answer: Confirmed

- a. Would you please confirm that our attendance at the Mandatory Meeting permits and validates that our Prime Partners’ bid-response will be accepted?

Answer: Confirmed

- 6 We would like to request the Proposal Due Date be extended from Friday, March 13th to Friday, March 27th in order to accommodate Q&A .

Answer: Sorry, we are on a very tight schedule all round, tied to board meeting dates with separate dates for review and approval, and to the summer school schedule.

Network Questions:

1. Policies: Is there an existing network security policy in place? Can we get a copy of it?
Answer: Not in place. We would like the selected partner to prepare such a document with rollout of the next generation network.

2. Is there an existing Acceptable Use Policy? Can we get a copy of it?
Answer: http://www.solano.edu/technology/policies_standards.html
3. What are the Business Hours, Does the College intend to close or reduce operations after hours as part of its energy reduction strategy?
Answer: **No**
4. Does the college teach the Cisco Network Academy Curriculum?
Answer: **No**
5. Users: Do Firewall zones and network segmentation requirements demand different levels of network access?
Answer: **It is done by access lists on the core switch, and by NAC**
6. Does the College have Remote Access requirements?
Answer: **VPN/Firewalls are not in the scope of this project. NAC solution should integrate with existing firewall/VPN to facilitate remote access.**
7. Are there any particular Broadcast/Multicast requirements for the server applications?
Answer: **Yes. The college is implementing video encoder/decoders in a Utology solution. It will involve SVSI and/or Matrox encoders sending video by broadcast**
8. Server Farm/Data Center Interconnects: Does the College plan to implement a geographically distributed core?
Answer: **Yes Ideally distributed between two buildings on our Fairfield campus, or beyond. Remote sites do not specifically require a distributed core, but again you advise us on your proposed best solution.**
9. If so, will the Server farm also be distributed between these two locations? And, can the College provide information on the server farm configuration to help facilitate this migration?
Answer: **That is not in the scope of this project, but some failover/disaster recovery is envisioned**
11. Can the College provide information on the server farm interconnects, particularly the blade Servers?
Answer: **Blade chassis currently has 1Gb SFP optics; will be moving to 10Gb (or possibly 40Gb) once the core switch is upgraded. Other servers in datacenter are using 1Gb copper ports**
12. SAN Networking: SAN protocol? (FC, FCoE, iSCSI)
Answer: **FC; one Compellent SAN**
Are there multiple VSANs, or a single VSAN?
13. VMWare: Is the VMWare server infrastructure using VCenter with the possibility of VMoton between physical servers?
Answer: **Yes. One vCenter instance for server virtualization, and a separate instance for VDI**
14. Are the ESXI servers using standard vSwitches or distributed vSwitches?
Answer: **Standard**

15. DMZ/Internal Servers: Are there servers that need to be reachable from outside networks? Do they also need to be reachable from the internal network?

Answer: Yes. We have NAT translations on the firewall for these services

16. Are there servers that only need to be reachable from the internal network?

Answer: Yes. They are simply ones without NAT translations/firewall rules.

17. WAN: During the site-visit, it was said that the current AT&T WAN connectivity would be switching to an MPLS/VPLS based solution. What is the physical interface information on the college side of the demarcation point?

Answer: Current is a MPLS - Opt-E-Man. Upgrading to ASE which is also MPLS. Handoff at Fairfield campus is Fiber; all others are copper

18. Is the College exchanging routes with AT&T, or is that done through their demarcation equipment?

Answer: We handle routing

19. Routing Information: Are you currently running BGP?

Answer: No

20. Is there an IGP that team is currently most comfortable with?

Answer: No

OSPF, IS-IS, EIGRP

21. PoE Requirements: Is there an inventory for PoE requirements by switch:

Answer: No. All ports should support PoE, with enough PoE+ to drive any wireless devices needing it. Scalability was emphasized at the pre bid meeting

22. Edge Switches: Does any of the edge switches directly provide network access to visitors/students personal devices?

Answer: Yes. All open ports pass through NAC currently to regulate guest access

23. NAC: What services does the NAC system provide? What is required?

Answer: Most requirements are in the RFP

24. Content filtering: Is there any website filtering, is it part of the scope of this project? (BlueCoat, etc)

Answer: No. We are an open access institution

25. NMS:What types of performance metrics are required?

Answer: These requirements are in the RFP

ISP/OSP Questions:

1. At the Vacaville Campus: As a part of this installation is the vendor/contractor to plan, design and price connecting the main campus to the annex via fiber optics?

Answer: No. The annex has an AT&T circuit connecting to the Fairfield campus already

b. If this is the desire of the college will copper be a part of the requirement as well?

Answer:

2. Is the contractor to include pricing to replace any hand hole cover not up to industry standards? Including and unsafe conditions?
Answer: Yes
 - a. None of the existing hand hole covers are lockable, should lockable cover be installed?
3. Does the College have any additional information on how building 200 and how it is fed currently with fiber optics and where do the existing conduits enter the building?
Answer: Refer to item 5 under General Items above
5. Do all buildings have equal network requirements?
Answer: All buildings with a single IDF have the same requirements and should handle the same user load. Those with multiple IDFs (400, 1800B, 1700/1700B) should have the same per-IDF fiber count as other buildings
6. How many future buildings are to be constructed on the main campus?
Answer: None of this has been fully determined yet. For a general idea, please see the Facilities Master Plan.
<http://www.solano.edu/measureq/planning.php>
7. Will network requirements be equal for each new building?
Answer: Most likely yes
8. While the contractor will need the answers to the previous questions to adequacy size the main fiber backbone for the campus. Will the contractor also need to plan to install cabling to new buildings as a part of this bid response?
Answer: Within the five year sole sourcing agreement
9. To what extent will the contractor be responsible for bringing the colleges existing OSP infrastructure into accordance with current industry codes and standards?
Answer: It should be better than you found it
10. Is the main copper backbone the responsibility of the College or AT&T?
Answer: The College
11. Building 1100 is currently being demolished to make room for a new building. Will this new building be included in the scope of this bid response?
Answer: Fiber counts should account for new buildings
12. Is the college firm on its requirement for two completely separate cabling-conduit systems for the entire campus, each with separate entrances into every building?
Answer: Not into the building. It is desired to have two conduits systems, but not a firm requirement (if cost prohibitive)
13. 13. Is a cable-plant design proposal that achieves the desired failover capabilities within the existing underground conduit system acceptable?
Answer: Yes