



Questions and Answers

No.	Questions	Answers
1.	There is a costs impact to insuring this project with a bond, if you can please confirm if a bond will be required, and if so, what portion of the project it will be required for?	A bond will not be required for this project.
2.	For your contingency for this project, what percentage contingency does the district require or would like us to include?	Please include 15% contingency fee for the Total Cost of the project (i.e. Grand Total of Attachment B - Equipment Specification Template and Section 8.2 Professional Services of Attachment C - Written Response Template).
3.	To confirm, the district is looking for 5 years of Support and 5 years of Subscription licensing for all items specified in the Bill of Materials?	Yes, the district is looking for 5 years of Support and 5 years of Subscription licensing for all items specified in Attachment B - Equipment Specification Template.
4.	Where will the district post the answers to the questions once made available?	Per RFP and F470 No. 180012398, the District will post questions and answers on February 5, 2018 on the district's website as well as the EPC portal site. In the event that there is a discrepancy between in documentation posted in multiple locations, the controlling (master) document will always be located on the district's website: http://www.sfusd.edu/en/doing-business-with-sfusd/current-rfps-rfqs-and-rfis.html .
5.	RFP Related Question: What is correlation between the Category 2/Services overview quantity wise and the ATTACHMENT B - Equipment Specification Template, they don't seem to match?	As stated within the Narrative of the Form 470, "Due to the way EPC has been created with service category requirements please consider information drafted into quantities as educated estimates for the issuance of this 470." The Attachment B - Equipment Specifications Template details the quantities requested by Part Number or equivalent item.
6.	RFP Related Question: On the 470, we see 6,376 Antennas, Connectors, and Related Components what does this refer to?	As stated within the Narrative of the Form 470, "Due to the way EPC has been created with service category requirements please consider information drafted into quantities as educated estimates for the issuance of this 470." The Attachment B - Equipment Specifications Template details the quantities requested by Part Number or equivalent item.
7.	Uninterruptible Power Supply (UPS) Questions: We will be recommending uninterruptible power supply units that are capable of protecting your network appliances in the event of a power surge. We	We anticipate to plug Line Number 3, C9407R (or equivalent) into the UPS. Please review power draw requirement for this model and its' corresponding components on Attachment B - Equipment



	know the power requirements of devices we are putting into our proposal. What additional devices will need to be plugged into these UPS units, and what is the required power draw (watt load)?	Specification Template.
8.	Uninterruptible Power Supply (UPS) Questions: For what time period (runtime) should the UPS units power connected devices?	Per RFP page 13, section 7.1 Overall Objectives; Provide Uninterruptible Power Supply to three POP facilities with a minimum runtime of 1 hour.
9.	Uninterruptible Power Supply (UPS) Questions: Should the UPS units include network management cards/capabilities?	Yes
10.	Campus Switching Questions: What is the requirement/use-case for Campus Switches to support UPOE?	To prepare for future growth of IOT devices on the network that may require more than 30 watt per port.
11.	Campus Switching Questions: Do you need UPOE on all the ports or some specific ports?	To prepare for future growth, we anticipate using more than 30 watt per port on all ports.
12.	Data Center Questions: Is this an RFQ for Cisco Products?	Per Attachment B - Equipment Specification Template of the RFP, we are looking for Cisco or equivalent routers and switches.
13.	Data Center Questions: Do you have a topology of the current network?	We do not have a current network topology diagram. Please see RFP page 12, section 7 Project Purpose and Overall Objectives, for the narrative of the current network topology.
14.	Data Center Questions: Do you have a diagram or description of the current and planned user groups or virtual contexts (overlays) in the current infrastructure?	No, please see RFP page 18-21 section 8.2 Professional Service Specifications. We are seeking assistance from the Vendor to help design and build the new software defined capable network infrastructure.
15.	Data Center Questions: Virtualization plans are focused on data center or will you have multiple virtual networks district wide?	Per RFP page 19, section 8.2.1 Pre-implementation Services, number 1.1 of the Design Specifications, The Vendor shall help design and build a new enterprise software defined capable network infrastructure. We are seeking for Vendor support on design, configuration and implementation.
16.	Data Center Questions: If yes to the above, how do they relate?	Not applicable.
17.	Data Center Questions: What compute virtualization is there in place currently? Will it grow or change?	The compute virtualization in our current environment is VMware vSphere 6.0. We do anticipate the environment to grow in the near future.
18.	Data Center Questions: Line 37 of BOM: 8 X 9407	We anticipate to install 2QTY-C9407 (or equivalent)



	<p>with redundant supes but only a 24 port 10G card? Where are these being deployed and in what redundant/load sharing configuration?</p>	<p>Chassis per POP for load sharing and redundancy. Each chassis will have 2QTY Supervisor Engines and 2QTY 24 port 10G line cards, except the Data Center POP, which will receive 3QTY 24 port 10G line cards. Please see RFP Attachment B - Equipment Specification Template Line Number 3.9, 3.10 and 4.0 for details.</p> <p>Per RFP page 18-21, section 8.2 Professional Service Specifications, we are seeking Vendor assistance for design, configuration and implementation.</p>
<p>19.</p>	<p>Data Center Questions: Why such a underutilized big box? why not 1RU platforms?</p>	<p>Please review the RFP and corresponding attachment B and C for requirements. Please suggest an equivalent 1RU platform that you would like the evaluation committee to consider that might meet all the functions requested in the RFP documents.</p>
<p>20.</p>	<p>Data Center Questions: Line 113: Seems this is a bundle so are you requesting 4 switches in total along with 16 optics total?</p>	<p>We are seeking for 1QTY bundle. Each bundle has 2 switches. Please see description in Attachment B - Equipment Specification Template, Line Number 6 (row 113), for additional details.</p>
<p>21.</p>	<p>Data Center Questions: For the above, you list two different types of optics: one uses single mode fiber, the other is multi-mode. Which are you deploying?</p>	<p>We selected hardware that has the flexibility to support single mode or multiple mode fiber. District prefers to use single mode fiber.</p>
<p>22.</p>	<p>Data Center Questions: Line 139: similar to previous, is this a bundle for total 4 switches?</p>	<p>Yes, 4 switches. Please see description in Attachment B - Equipment Specification Template, Line Number 7 (row 139), for additional details.</p>
<p>23.</p>	<p>Data Center Questions: Line 152: how many switches in this bundle?</p>	<p>This is a sub-component for Line Number 7. Please see description in Attachment B - Equipment Specification Template, Line Number 7 (row 139), and review descriptions to Line Number 7 (row 139) through 7.20 (row 162).</p>
<p>24.</p>	<p>Data Center Questions: For line 180/181 are you also looking for servers for the equivalent services (firewalling and flow monitoring)?</p>	<p>Yes, we are looking for virtual servers to supply Stealthwatch (or equivalent functions) flow monitoring and ISE (or equivalent functions).</p>
<p>25.</p>	<p>Data Center Questions: Line 122: The edge routers, ASR-1006s, have 40G and 100G connections? Can you confirm interfaces and required services (routing protocols, peer connection, MPLS)?</p>	<p>We will need up to 40G/100G connections for upstream peering with the ISP to plan for future growth.</p>



26.	Data Center Questions: Are you looking for RBAC services, VPN and fire-walling services similar to Radius/TACACS with the Identity Services Engine?	We are looking for Vendor recommendations on how to perform network security segmentation.
27.	Data Center Questions: What's your switch air flow requirements. (FB or BF)	The equipments requested in Attachment B - Equipment Specification Template support Front-to-Back, Back-to-Front, and Side-to-Side airflows. We prefer Front-to-Back airflow where possible and look for Vendor guidance on recommendations.
28.	Data Center Questions: Can you provide power requirements per each of the POP facilities?	We do not have existing power load information or requirements for each POP facility. There is a separate room readiness project that the Department of Technology is working on to prepare for the Core Network installation. The winning bidder will have an opportunity to discuss rack elevation design and power needs with the Electrical Engineers of the room readiness project.
29.	Identity Management Related Questions: Need more information on the total number of endpoints that need to be supported/authenticated with Cisco ISE.	We anticipate for 150K endpoints. Please see Attachment B - Equipment Specification Template, Line Number 8 and 9 (row 163 and 164), for additional details.
30.	Identity Management Related Questions: Is Cisco ISE intended to be used with endpoints (wired & wireless) not connected to the proposed upgraded core infrastructure only?	No, Cisco ISE should support all endpoints (e.g. client devices) connected to SFUSD network.
31.	Introspect Related Questions: Which part of the security organization is driving the initiative?	The Network Team in the Department of Technology is driving this initiative.
32.	Introspect Related Questions: Does the customer have a SIEM? If yes, is it one of Splunk, Arcsight, or Qradar? Do they store their Active Directory logs in the SIEM?	No, we do not have a Security Information and Event Management software in production.
33.	Introspect Related Questions: What data sources are they planning to use for the supported use	We are looking for Vendor guidance to provide recommendations.



	cases?	
34.	Introspect Related Questions: Is this an existing Aruba customer? Do they have Aruba WLAN? Switching? ClearPass?	We are not an existing Aruba customer. We currently do not use Aruba/HP for wireless, switching or ClearPass.
35.	Introspect Related Questions: What is the estimated number of employees for a phase 1 deployment? (UEBA typically isn't deployed for an entire large enterprise on Day 1.)	We are looking for Vendor guidance to provide recommendations on best implementation approach.
36.	Introspect Related Questions: What is the total size of the security team? How large is the Security Operations Center (SOC)? Is the SOC staffed 24x7x365?	We do not have a formal security team. The total size of the Network Team is eight engineers, including the network manager. The team is staffed from 6:30am - 6pm, with on call emergency availability of 24x7x365.