

**CUCAMONGA SCHOOL DISTRICT  
INFORMATION TECHNOLOGY DEPARTMENT  
8776 Archibald Ave  
Rancho Cucamonga, CA 91730  
PHONE: (909) 987-8942**

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**RFQ: E-rate Category 2 Equipment  
RFQ NO: 01 (2023/2024)  
Posting Date: December 08, 2022**

**PLEASE RESPOND ON THE FOLLOWING FORM(S), BY ENTERING YOUR PRICES FOR THE ITEMS LISTED. WHERE APPLICABLE, INDICATE ALTERNATE BRAND, MODEL, ETC. DISTRICT RESERVES THE RIGHT TO AWARD BY LOT OR ITEM. PLEASE DIRECT QUESTIONS TO THE DISTRICT REPRESENTATIVE CONTACT LISTED BELOW. DELIVERY IS CUCAMONGA SCHOOL DISTRICT, 8776 ARCHIBALD AVE, RANCHO CUCAMONGA, CA, 91730. PAYMENT TERMS NET 30 DAYS.**

**RESPONSE REQUIRED BY 3:00 PM PST ON DUE DATE TO THE ADDRESS LISTED ABOVE.  
EMAILED INQUIRIES MUST INCLUDE THE RFQ NUMBER IN THEIR SUBJECT LINE.**

**DUE DATE: January 18, 2023, 3:00 PM PST  
RFQ NO: 01 (2023/2024)**

**CONTACT: Bobby Applegate  
PHONE: 909-987-8942  
EMAIL: [bapplegate@cuca.k12.ca.us](mailto:bapplegate@cuca.k12.ca.us)**

**IMPORTANT NOTE:** PLEASE INCLUDE SUB-TOTAL, APPLICABLE DISCOUNTS, SHIPPING & HANDLING, SALES TAX AND TOTAL COST ON YOUR QUOTATION.

QUOTATIONS MUST BE AS SPECIFIED OR EQUAL. ALL EQUIVALENT OR ALTERNATE ITEMS MUST INCLUDE SPECIFICATIONS DEMONSTRATING EQUIVALENCY. THE DISTRICT RESERVES THE RIGHT TO REQUIRE SAMPLES OR WORKING DEMO EQUIPMENT ON-SITE FOR TESTING, PRIOR TO AWARD AND FINAL SELECTION OF BRAND AND/OR MODEL, BASED ON REQUIREMENTS AND INFORMATION SUPPLIED BY VENDOR. THE DISTRICT IS UNDER NO OBLIGATION TO PROCURE ANY ITEMS OR SERVICES, OR TO PROCURE ANY ITEMS OR SERVICES FROM ANY PARTICULAR SOURCE OR UPON ANY PARTICULAR BASIS. ALL SAMPLES OR DEMO UNITS WILL BE RETURNED AFTER TESTING IS COMPLETE.

## **RFQ CMAS/NASPO Requirements**

For the purposes of this RFQ, the term “Service Provider” and “Vendor” may be used interchangeably and have the same meaning, whether stated or not.

All Service Providers/vendors responding to the posted Form 470 are to be listed as California Multiple Awards Schedule (CMAS) and/or NASPO VALUEPOINT Service Providers. Public Contract Code (PCC) Sections 10290 et seq. and 12101.5 include approval for local government agencies to use CMAS for acquisition of information technology and non-information technology products and services.

A local government agency is any city, county, city and county, district, or other local governmental body or corporation, including the California State Universities (CSU) and University of California (UC) systems, K-12 schools and community colleges empowered to expend public funds.

FOR CMAS: In addition to the requirements outlined in this RFQ, service providers may be subject to additional requirements as outlined in the CMAS Program:

<https://www.dgs.ca.gov/PD/About/Page-Content/PD-Branch-Intro-Accordion-List/Acquisitions/California-Multiple-Award-Schedules>

For NASPO VALUEPOINT: All proposals must be submitted by NASPO VALUEPOINT Authorized Resellers that have been approved by the State Contract Administrator.

Public Contract Code sections 10298-10299 allow the Department of General Services, Procurement Division (DGS-PD) to enter into cooperative purchasing agreements with other states. Cooperative agreements are available to all State of California governmental entities (State departments, agencies, cities, counties, school districts, universities, etc.) that expend public funds for the acquisition of both goods and services.

The DGS-PD has elected to participate in the following multi-state cooperative agreements established by other states participating in the NASPO ValuePoint Cooperative Program and other cooperative programs as specified in the link below.

<https://www.dgs.ca.gov/PD/Services/Page-Content/Procurement-Division-Services-List-Folder/Find-Leveraged-Procurement-Agreements>

It is the responsibility for service providers to familiarize themselves with CMAS and/or NASPO VALUEPOINT requirements.

## E-RATE SUPPLEMENTAL TERMS AND CONDITIONS

Signed copy to be returned with bid response.

The Telecommunications Act of 1996 established a fund by which Schools and Libraries across the Country could access discounts on eligible telecommunications products and services. The program is commonly known as the E-rate Program. The eligibility for discounts on internet access, telecommunications products and services, internal connection products, services and maintenance is determined by the Federal Communications Commission (FCC). Funding is made available upon application approval by the Schools and Libraries Division (SLD) of the Universal Service Administrative Company (USAC), which was established by the Act. The amount of discount is based on the numbers of students receiving free and reduced price meals.

### **1) E-RATE CONTINGENCY**

The project herein may be contingent upon the approval of funding from the Universal Service Fund's Schools and Libraries Program, otherwise known as E-rate. Even after award of contract(s) and/or E-rate funding approval is obtained, the District may or may not proceed with the project, in whole or in part. Execution of the project, in whole or in part, is solely at the discretion of the District.

### **2) SERVICE PROVIDER REQUIREMENTS**

The District expects Service Providers to make themselves thoroughly familiar with any rules or regulations regarding the E-rate program.

- a. Service Providers are required to be in full compliance with all current requirements and future requirements issued by the SLD throughout the contractual period of any contract entered into as a result of this RFP.
- b. Service Providers are responsible for providing a valid SPIN (Service Provider Identification Number). More information about obtaining a SPIN may be found at this website: <https://www.usac.org/e-rate/service-providers/step-1-obtain-a-spin/>
- c. Service Providers are responsible for providing a valid Federal Communications Commission (FCC) Registration Number (FRN) at the time the bid is submitted. More information about obtaining an FRN may be found at this website: <https://fjallfoss.fcc.gov/coresWeb/publicHome.do>
- d. Service Providers are responsible for providing evidence of FCC Green Light Status at the time the bid is submitted. Any potential bidder found to be in Red Light Status must provide an explanation of the steps it is undertaking to be removed to Red Light Status and the expected timeframe for resolution. A Service Provider's sustained Red Light Status may be grounds for contract termination as it could prohibit the Service Provider from providing E-rate discounts in a timely manner which would cause harm to the Applicant. More information about FCC Red and Green Light Status may be found at this website: [http://www.fcc.gov/debt\\_collection/welcome.html](http://www.fcc.gov/debt_collection/welcome.html)
- e. Products and services must be delivered before billing can commence. At no time may the Service Provider invoice before July 1, 2023.
- f. Prices must be held firm for the duration of the associated E-rate Funding Year(s) or until all work associated with the project is complete (including any contract and USAC approved extensions).

- g. Goods and services provided shall be clearly designated as “E-rate Eligible”. Non-eligible goods and services shall be clearly called out as 100% non-eligible or shall be “cost allocated” to show the percentage of eligible costs per SLD guidelines.
- h. Within one (1) week of award, the awarded Service Provider must provide the District a bill of materials using a completed USAC “Item 21 Template”. Subsequent schedules of values and invoices for each site must match Item 21 Attachment or subsequent service substitutions. A summary sheet must also be provided to provide the cumulative amount for all sites.**
- i. In the event of questions during an E-rate pre-commitment review, post-commitment review and/or audit inquiry, the awarded Service Provider is expected to reply within 3 days to questions associated with its proposal.
- j. The awarded Service Provider is required to send copies of all forms and invoices to the District prior to invoicing USAC for pre-approval. Failure to comply with this requirement may result in the District placing the vendor on an “Invoice Check” with the USAC <https://www.usac.org/e-rate/applicant-process/invoicing/invoice-check/>
- k. Services providers must comply with the FCC rules for Lowest Corresponding Price (“LCP”). Further details on LCP may be obtained at USAC’s website: <https://www.usac.org/e-rate/service-providers/step-2-responding-to-bids/lowest-corresponding-price/>

### **3) SERVICE PROVIDER ACKNOWLEDGEMENTS**

- a. The Service Provider acknowledges that no change in the products and/or services specified in this document will be allowed without prior written approval from the district and a USAC service substitution approval with the exception of a Global Service Substitutions.
- b. The Service Provider acknowledges that all pricing and technology infrastructure information in its bid shall be considered as public and non-confidential pursuant to §54.504 (2)(i)(ii).
- c. The Service Provider acknowledges that its offer is considered to be the lowest corresponding price pursuant to § 54.511(b). Further details on LCP may be obtained at USAC’s website: <https://www.usac.org/e-rate/service-providers/step-2-responding-to-bids/lowest-corresponding-price/>. Should it not be the lowest corresponding price, the service provider must disclose the conditions leading to the applicant being charged in excess of lowest corresponding price.
- d. BIDDERS are required to comply with the FCC’s Lowest Corresponding Price (“LCP”) Requirement for all equipment and Services. BIDDER acknowledges that BIDDER is solely responsible to comply with LCP requirements. To the extent that USAC finds an LCP violation and reduces the E-rate Funding, BIDDER agrees that it will not hold the DISTRICT liable for any shortfall in E-rate funding and will be responsible for any ensuing appeals, COMADS and/or RIDFS.
- e. The Service Provider attests that its offer does not violate the FCC’s Supply Chain certifications included in the FCC Form 473. Supply Chain requirements and certifications can be viewed at USAC’s Website: <https://www.usac.org/about/reports-orders/supply-chain/>.

- f. This offer is in full compliance with USAC’s Free Services Advisory <https://www.usac.org/e-rate/applicant-process/competitive-bidding/free-services-advisory/>. There are no free services offered that would predicate an artificial discount and preclude the applicant from paying its proportionate non-discounted share of costs. The service provider agrees to provide substantiating documentation to support this assertion should the applicant, USAC, or the FCC request it.

#### **4) STARTING SERVICES/ADVANCE INSTALLATION – Category 1 Services**


The annual E-rate Funding Year begins on July 1 and expires on June 30 of each calendar year. Regardless of the contract “effective date”, E-rate eligible goods and/or services requested in this RFP shall be delivered no earlier than the start of the 2023 funding year (July 1, 2023). If Category 1 services (Telecommunication Services and Internet access) will begin on or shortly after July 1 of a funding year, the service provider, in some cases, may need to undertake some construction and installation work prior to the beginning of that funding year. Within the limitations indicated below, the infrastructure costs of a service provider can be deemed to be delivered at the same time that the associated Category 1 services begin. That is, if services begin on July 1, then the delivery of service provider infrastructure necessary for those services can be considered as also delivered on July 1. However, NO INVOICING can take place prior to July 1 of the associated Funding Year.

#### **EARLY FUNDING CONDITIONS**

##### **Category 1**

There are four conditions that must be met in order for USAC to provide support in a funding year for Category 1 infrastructure costs incurred prior to that funding year.

- *Initiation of installation cannot take place before selection of the service provider pursuant to a posted Form 470 and in any event no earlier than six months prior to July 1 of the funding year.*
- *The Category 1 service must depend on the installation of the infrastructure.*
- *The underlying Category 1 service cannot have a service start date prior to July 1 of the funding year.*
- *No invoices can be submitted to USAC for reimbursement prior to July 1 of the funding year.*

For more information, please refer to the FCC Order involving the Nassau County Board of Cooperative Educational Services (DA 02-3365 , released December 6, 2002). This FCC decision only applies to Priority 1 services (telecommunications services and Internet access).


The complete text can be found at the following URL:

<https://www.usac.org/e-rate/applicant-process/starting-services/advance-installation/>

##### **Category 2**

There is one condition that allows USAC to provide support in a funding year for Category 2 installation costs incurred prior to that funding year.

- *We also amend our rules for category two non-recurring services to permit applicants to seek support for category two eligible services purchased on or after April 1, three months prior to the start of funding year on July 1. This will provide schools with the flexibility to purchase equipment in preparation for the summer recess and provide the maximum amount of time during the summer to install these critical networks.*

For more information, please refer to the FCC Report and Order and Further Notice of Proposed Rulemaking ([FCC 14-99](#) , released July 23, 2014). This FCC decision only applies to Category 2 services (Internal Connections).

However, NO INVOICING can take place prior to July 1 of the funding year.

**5) INVOICING**

- a. The Service Provider agrees to bill and receive a portion of the payment for the provisions of goods and services described herein directly from USAC via the Form 474 Service Provider Invoice (SPI). The District will only be responsible for paying its non-discounted share of costs and does not intend to use the BEAR process (Form 472). The maximum percentage the District will be liable for is the pre-discount amount minus the funded amount as shown on the FCC Form 471 Block 5 and any identified ineligible costs. Upon the successful receipt or posting of a Funding Commitment Decision Letter from the SLD and submission, certification and USAC approval of Form 486, the District shall pay only the discounted amount beginning with the billing cycle immediately following said approval. Alternatively, should the District decide that it is in the best interest of the District to file a Form 472, the District will inform the Service Provider of its intent.
- b. All Service Provider invoicing to USAC must be completed within 120 days from the last day of service. Should the Service Provider fail to invoice USAC in a timely manner, the District will only be responsible for paying its non-discounted share.

**6) FCC/SLD AUDITABILITY**

The E-rate program requires that all records be retained for at least ten (10) years from the last date of service provided on a particular funding request. Respondent hereby agrees to retain all books, records, and other documents relative to any Agreement resulting from this RFP for ten (10) years after final payment. The District, its authorized agents, and/or auditors reserves the right to perform or have performed an audit of the records of the Respondent and therefore shall have full access to and the right to examine any of said materials within a reasonable period of time during said period.

**7) PROCUREMENT OF ADDITIONAL GOODS AND/OR SERVICES/COTERMINOUS EXPIRATION**

During the term of any Agreement resulting from this RFP, the District may elect to procure additional or like goods and/or services offered by the Respondent. Such services shall be negotiated and obtained via an official amendment to this Agreement and approval by the District's Governing Board. All terms, conditions, warranties, obligations, maintenance and support of said goods or services shall have a coterminous expiration date with the original date of this Agreement. The District shall not enter into a separate Agreement for said goods or services. Respondents must state in their proposal that they acknowledge, accept and are in agreement with coterminous expiration conditions.

I, the undersigned, as an authorized agent of \_\_\_\_\_ (Service Provider Name), hereby certify that I have read the E-rate Supplemental Terms and Conditions, am fully compliant and intend to cooperate with the E-rate process as outlined above.

**Signature:** \_\_\_\_\_ **Title:** \_\_\_\_\_

**Phone Number:** \_\_\_\_\_ **Email:** \_\_\_\_\_

**Service Provider Name:** \_\_\_\_\_

### **Right to Reject Any and All Quotes**

The Applicant reserves the right to reject any or all quotation submittals and to waive any informalities or regularities. The Service Provider's quotation submission is recognition of this right.

In addition, the Applicant reserves the right to fund, (proceed with project or purchase) or not to fund, regardless of E-Rate approval.

### **Trade Names and Alternatives**

For convenience in designation on the plans or in the specifications, certain articles or materials to be incorporated in the work may be designated under a trade name or in the name of a manufacturer. Whenever in specifications any materials, process, or article is indicated or specified by grade, patent, or proprietary name or by name of manufacturer, such specification shall be deemed to be used for the purpose of facilitating description of material, process or article desired and shall be deemed to be followed by the words "or equal," and service provider may, unless otherwise stated, offer any material, process or article which shall be substantially equal or better in every respect to that so indicated or specified. If material, process or article offered by service provider is not, in opinion of the District, substantially equal or better in every respect to that specified, then service provider shall furnish material, process or article specified. Burden of proof as to equality of any material, process or article shall rest with service provider. Without such documentation, the District cannot accept the argument on functionality equivalent or better based on cost alone. Products must be compatible with existing systems. Service Provider shall submit request together with substantiating data for substitution of any "or equal" item within the sealed bid packet at the closing of bids. Provision authorizing submission of "or equal" justification data shall not in any way authorize an extension of time for performance of this contract.

### **Evaluation Criteria**

The selection process for each section will include the following evaluation and point assignment/rating criteria for vendors:

<b>Category</b>	<b>Points</b>
Cost of E-rate Eligible Services	25
Cost of E-rate Ineligible Services	5
Vendor quote meets district's minimum specifications	10
Experience with the district	20
Ability to deliver service at start of funding year	10
Ability to deliver service throughout district geographic region	10
Best meets needs of district	20
<i>Total Possible Points</i>	100

### **Submission Instructions**

Service Provider shall provide **one (1)** original signed RFQ Responses via email and **one (1)** complete copy of their valid CMAS and/or NASPO VALUEPOINT Contract or valid web-address to all contract pages; hard copy form (no email or other electronic submission), delivered to:

Cucamonga School District  
c/o Bobby Applegate  
8776 Archibald Ave  
Rancho Cucamonga, CA, 91730

All inquiries should be submitted in writing, and must include the RFQ number in the subject line, no later than Monday, January 09, 2023 by 10:00 AM PST to: [bapplegate@cuca.k12.ca.us](mailto:bapplegate@cuca.k12.ca.us) The District will not respond to phone call inquiries.

District will post Q&As to the district website at [https://cucamonga-ca.schoolloop.com/business\\_information](https://cucamonga-ca.schoolloop.com/business_information), as well as to USAC's EPC portal no later than Wednesday, January 11, 2023.

### **Prospective Service Providers will be required to submit the following:**

Three (3) references describing Service Provider's portfolio experience with comparable projects within a K-12 customer market; Provider's appropriate CMAS Contract(s) cover page(s); Service Provider's SPIN number; and Service Provider's FCC Registration Number (FRN). Failure by Service Provider to supply these documents shall be considered grounds for disqualification.

Service Provider must meet the following qualifications to be considered for award. Documentation regarding the following qualifications MUST be included in the Service Provider's proposal. Non-inclusion of applicable documents is basis for disqualification.

1. When providing electronic equipment quotes for access points/switches/hubs/routers, Service Provider must have at least 1 Certified Engineer or equivalent on staff.
2. When providing cable work, Service Provider must be RCDD certified.
3. When providing cable work, Service Provider must provide as-built diagrams in electronic and paper copy formats, and cable test results within 45 days of completion of work.
4. If providing cabling work, Service Provider and its subcontractors must have C-7 or C-10 License and maintain compliance with all required State of California Public Works/Prevailing Wage requirements.
5. If requested by the Applicant, Service Provider must be willing to have employees fingerprinted.
6. All product pricing provided for Form 471 purposes must be functional equivalent or better, once the Applicant has received USAC approval for purchase.
7. Service Provider shall provide with its quote the complete CMAS contract pages, including all pages that show the goods and/or services in Service Provider's quotation submittal. Said products shall be clearly highlighted for ease of identification.
8. Service Provider shall provide references for staff to be associated with project work and implementation.
9. Service Provider shall provide three (3) original RFO Responses; three (3) complete copies of the CMAS Contract; and one (1) CD/flash drive of the RFO submittal, including the summary sheet.



### **Pricing Instructions**

Service Providers may provide pricing for all or any individual sections outlined below.

### **Order Information**

District reserves the right to order quantities in any size lot or lots of quantities. Pricing must remain firm for the period of April 1, 2023 thru September 30, 2024. The District reserves the right to extend the intent to purchase for an additional annual term through September 30, 2025. Vendor must continue to have a valid CMAS contract and/or continue to be a NASPO approved reseller during the term of the purchase agreement.

## PROJECT SPECIFICATIONS

### **Section 1: Wireless Equipment**

The Goal: To provide qualified vendors with the necessary information and specifications to allow them to respond with a solution that they determine best meets those requirements.

**The district is seeking a wireless implementation, to include equipment and design. Installation is not needed for this project.**

The district is currently using Aruba IAP 315's. All sites have fiber running from the MDF to each IDF at 1 Gbps. The connection back to the District Office is 1 Gbps for all schools with capacity for 10 Gbps. The district is requesting a wireless equipment solution with the versatility of cloud or on-premise management as noted below. The district will consider all manufacturer and provider equivalents to the criteria provided below for the Category 2 (Wireless Equipment).

**The proposed solution price must include a complete bill of materials, applicable sales tax, applicable shipping, and optional professional services.**

The scope of the project will be as follows:

- All equipment and material should be new. Used, refurbished, or repurposed equipment or material will not be acceptable.
- Replace existing access points with new 4x4 802.11 A/B/G/N/AC/AX wireless access points throughout the district utilizing PoE+.
- Centrally configure and manage through a wireless controller.

### **MINIMUM TECHNICAL REQUIREMENTS**

**Indoor High Density Wireless Access Points** Cucamonga School District requires 802.11ax WiFi6E Wireless Access Points that support controller and/or virtual controller standalone deployments. The ceiling mounted integrated antenna Access Points require two 802.3bz high speed 5 Gb capable interfaces, backward compatible with 802.11abgn,ac Wave 1 and Wave 2, support WPA3. The indoor Access Points must enable dynamic role-based/vlan-based access and support Guest Access Functionality sourced from the Cloud Based Network Management Solution (Guest Splash Page, username/password, etc.). The indoor Wireless Access Points must provide local CLI and local GUI for the entire Layer 2 cluster. The cloud management subscription shall be for a 5 year minimum and include maintenance and technical assistance phone support.

**Internal High Density Access Point Minimum Requirements:**

- Must support 802.11 a/b/g/n/ac/ax standards
- Dual 802.3bz 5Gb Ethernet Uplinks
- Indoor, tri-radio, 2.4GHz, 5GHz and 6GHz (concurrent) 802.11ax 4x4 MIMO
- 2.4GHz radio: Four spatial streams MIMO for up to 1,147Mbps wireless data rate with HE40 802.11ax client devices (574Mbps for HE20).
- 5GHz radio: Four spatial streams MIMO for up to 2.4Gbps wireless data rate with HE80 802.11ax client devices.
- 6GHz radio: Four spatial streams MIMO for up to 4.8Gbps wireless data rate with HE160 802.11ax client devices.
- Wifi 6 WiFi Alliance certification
- Bluetooth Low Energy
- Zigbee Support
- TPM
- GPS Receiver Support
- Spectrum analysis
- Dynamic Frequency Selection
- Must have support for both on premise or in-cloud management

**Internal Medium Density Wireless Access Points** Cucamonga School District requires 802.11ax WiFi6E Wireless Access Points that support controller and/or virtual controller standalone deployments. The ceiling mounted integrated antenna Access Points require two 802.3bz high speed 2.5 Gb capable interfaces, backward compatible with 802.11abgn,ac Wave 1 and Wave 2, support WPA3. The indoor Access Points must enable dynamic role-based/vlan-based access and support Guest Access Functionality sourced from the Cloud Based Network Management Solution (Guest Splash Page, username/password, etc.). The indoor Wireless Access Points must provide local CLI and local GUI for the entire Layer 2 cluster. The cloud management subscription shall be for a 5 year minimum and include maintenance and technical assistance phone support.

**Internal Medium Density Access Point Minimum Requirements:**

- Must support 802.11 a/b/g/n/ac/ax standards
- Dual 802.3bz 2.5Gb Ethernet Uplinks
- AP type: Indoor, tri radio, 2.4GHz, 5GHz and 6GHz (concurrent) 802.11ax 2x2 MIMO
- 2.4 GHz radio: Two spatial stream Single User (SU) MIMO for up to 574 Mbps wireless data rate with 2SS HE40 802.11ax client devices
- 5 GHz radio: Two spatial stream Single User (SU) MIMO for up to 1.2 Gbps wireless data rate with 2SS HE80 802.11ax client devices
- 6 GHz radio: Two spatial stream Single User (SU) MIMO for up to 2.4 Gbps wireless data rate with 2SS HE160 802.11ax client devices
- Wifi 6 WiFi Alliance certification
- Bluetooth Low Energy
- Zigbee Support
- TPM
- GPS Receiver Support
- Spectrum analysis
- Dynamic Frequency Selection
- Must have support for both on premise or in-cloud management

**Client Simulators** Cucamonga School District requires wired and wireless Client simulators to monitor internal and external applications. Simulators must support Selenium IDE recording uploads for Application access testing. Simulators must be intuitive with simple-to-use dashboard with end-to-end visibility over performance and health. Client Simulators must be visible in same Cloud Based Network Management as the proposed Wired Lan Switches and Wireless Access Points. In addition;

- AI powered alerts that highlights issues affecting high priority services
- Automated user and application experience monitoring through synthetic testing
- Network performance metrics for wired, wireless, and cloud application connectivity
- Multivendor support enables testing for any Aruba or third-party network environment
- Integration with third-party applications like ServiceNow and Slack via Webhook

The district is willing to accept bids from alternative manufacturers as long as they meet or exceed the current district standard. Please see the section “Trade Names and Alternatives” in this RFQ for further information.

**Wireless Component Quantities**

Item	Description	Part #	Qty	Cost	E-Rate Eligible Y or N. If no, please provide % of eligible product
Internal Antenna 2x2:2 Access Point (Medium Density)	Aruba AP-635 (US) Unified AP	R7J28A	185		
Internal Antenna 4x4:4 Access Point (High Density)	Aruba AP-655 (US) Unified AP	R7J39A	25		
Internal AP 15/16 T-Bar Mounting Bracket (10 Pack)	AP-MNT-MP10-B AP mount bracket 10-pack B	Q9G69A	21		
Internal AP Flat Box Mounting Bracket (10 Pack)	AP-MNT-MP10-E AP mount bracket 10-pack B	R1C72A	5		
Internal Access Point Console Cables	AP-CBL-SERU Console Adapter Cable	JY728A	5		
Outdoor Integrated Antenna Directional 4x4:4 Access Point	Aruba AP-587 (US) Unified AP	R7T09A	35		
Outdoor AP Mounting Bracket	AP-270-MNT-H3 AP-270 Series Outdoor AP Hanging or Dual-Tilt Install Mount Kit	R6W11A	35		
5 year Cloud Management Access Point Subscription	Aruba Central AP Foundation 5y Sub E-STU	Q9Y60AAE	245		
Cloud Management configuration and Installation for all Access Points			245		
802.11ax Ethernet Client Simulator	Aruba UXI Sensor 802.11ax Ethernet	R7H75A	5		
Client Simulator 5 Yr Support	Aruba 5Y FC NBD Exch Uxi ethnt SVC [for R7H75A]	H59V2E	5		
Client Simulator 5 Yr Cloud Subscription	Aruba 5yr UXI Cloud Subscription E-STU	R4W99AAE	5		
Client Simulator setup and integration with Cloud Based AP/Switch Mgmt Solution			5		

## **PROJECT SPECIFICATIONS**

### **Section 2: Switching**

The Goal: To provide qualified vendors with the necessary information and specifications to allow them to respond with a solution that they determine best meets those requirements.

**The District is seeking to purchase a network core and school site switching solution.**

The District is seeking a vendor to provide an upgrade/replacement of its existing switching hardware. The District is currently using the Aruba 2920/2930 24 & 48 port switches at the IDF's and MDF's of each site, HP 5406zl switches are used at the MDF of each. All sites have fiber running from the MDF to each IDF at 1 Gbps. The connection back to the District Office is 1 Gbps for all schools with capacity for 10 Gbps. The MDF at the district office has a 10 Gbps feed from our fiber provider. The District is requesting a network equipment solution with the versatility of cloud or on-premise management as noted below. The District will consider all manufacturer and provider equivalents to the criteria provided below for the Category 2 (Network Equipment):

**The proposed solution price must include a complete bill of materials, applicable sales tax, applicable shipping, and optional professional services.**

### **MINIMUM HARDWARE SPECIFICATIONS**

**Fiber Core/MDF Switches**– Cucamonga School District requires a one RU 24 Port 1/10Gb SFP/SFP+ with 4 ports of 1/10/25/50 Modular Fiber switch that supports local CLI and local GUI access as well as Cloud Management. All switch features must be enabled and all feature licenses must be included. The switch must be fully managed by Cucamonga's existing Aruba Central Cloud Solution.

Fiber Core/MDF Switch Minimum Requirements:

- Must support both on premise or in-cloud management
- Support Dynamic Segmentation
- IPv6 Capabilities
- System Switching Capacity: 880 Gbps
- System Throughput Capacity: 660 Mpps
- Stack Size: 10 member using 50G DAC
- Max. Stacking Distance: Up to 10 kms with long range transceivers
- Stacking Bandwidth: 200 Gbps
- Minimum 880 Gbps Platform Scalability
- Minimum 650 Mpps Switching capacity
- BGP, OSPFv3, & Vxlan Support required
- Rest API interface built-in
- VLAN support
- TACACS+ & Radius support
- Multi-cast support
- Support Cloud, Console Port, SSH, and GUI Mgmt Access
- 24 Ports 1/10Gb with 4 ports 1/10/25/50G SFP ports
- USB-C Console Port
- OOBM port
- USB Type A Host port
- Bluetooth dongle to be used with Mobile App

**Ethernet Edge/IDF Switches** – Cucamonga School District requires a one RU 48 Port 10/100/1000/2.5GbE/5GbE Modular Ethernet switch that supports standards based 802.3af/at/bt Power over Ethernet on every Ethernet port as well as standards based 802.3bz 2.5Gb and 5Gb on every Ethernet port. The switches must support 4 Interfaces of 1/10Gb SFP/SFP+, 25Gb SFP28, or 50 Gb DAC Cable. The 48 port switches shall include a single 1050-Watt power supply and have the capacity for a future 2<sup>nd</sup> 1050 Watt power supply at a later date.

The switch must enable dynamic role-based/vlan-based access and support Guest Access Functionality sourced from Aruba Clearpass (Guest Splash Page, username/password, etc.). The switch will provide local CLI and local GUI access. All switch features must be enabled, and all feature licenses must be included and fully managed by the Districts existing Aruba Central Cloud Based Solution.

**Ethernet Edge/IDF Switch Minimum Requirements:**

- Always on PoE
- Must support both on premise or in-cloud management
- Support Dynamic Segmentation
- Support Multi-Gig 802.3bz (100M/1GbE/2.5GbE/5GbE)
- Must support 802.3bt Class 6 (60W)
- IPv6 Capabilities
- Hot swappable power supply support
- Minimum 880 Gbps Platform Scalability
- Minimum 650 Mpps Switching capacity
- BGP, OSPFv3, & Vxlan Support required
- Rest API interface built-in
- VLAN support
- TACACS+ & Radius support
- Multi-cast support
- Max available PoE support of 1440W
- Support Cloud, Console Port, SSH, and GUI Mgmt Access
- 4x 1/10/25/50G SFP ports
- USB-C Console Port
- OoBm port
- USB Type A Host port
- Bluetooth dongle to be used with Mobile App

**The district is willing to accept bids from alternative manufacturers as long as they meet or exceed the current district standard. Please see the section “Trade Names and Alternatives” in this RFQ for further information.**

**Network Component Quantities**

Item	Description	Part #	Qty	Cost	E-Rate Eligible Y or N. If no, please provide % of eligible product
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**Core**

Medium Capacity Core/MDF 24 Port 1/10Gb Fiber Switch	Aruba 6300M 24-port SFP+ and 4-port SFP56 Switch	R8S92A	5		
Medium Capacity Core/MDF 24-port switch 250W AC Power Supply	Aruba X371 12VDC 250W AC Power Supply	JL085A	5		
Medium Capacity Core/MDF 24-Port Fiber Switch 250W Power Cords	INCLUDED: Power Cord - U.S. localization	JL085A ABA	5		
Medium Capacity Core/MDF Switch HW 5 Yr Support	Aruba 5Y FC NBD Exch HW 6300M 24p SFP+ LRM SVC [for R8S92A]	H64H1E	5		

**Edge**

Edge/IDF 48-port switch	Aruba 6300M 48SR5 CL6 PoE 4SFP56 Switch	JL659A	98		
Edge/IDF 48-port switch 1050 Watt Power supply	Aruba X372 54VDC 1050W 110-240VAC Power Supply	JL087A	196		
1050W Power Cords	INCLUDED: Power Cord - U.S. localization	JL087A ABA	196		
5 year Cloud Management 6300M Subscription	Aruba Central 63xx/38xx Switch Foundation 5y Sub E-STU	Q9Y80AAE	98		
6300M 50Gb Stacking Cable	Aruba 50G SFP56 to SFP56 0.65m DAC Cable	R0M46A	67		
6300M 50Gb Stacking Cable	Aruba 50G SFP56 to SFP56 1m DAC Cable		33		



**Core / Edge**

MMF 10 Gb Optics (Core/MDF & Edge/IDF)	Aruba 10G SFP+ LC SR 300m MMF Transceiver	J9150D	89		
SMF 10 Gb Optics (Core/MDF & Edge/IDF)	Aruba 10G SFP+ LC LR 10km SMF Transceiver	J9151E	9		
LAN Switch setup and installation services (Core/MDF & Edge/IDF)			98		

**Training**

Cloud Mgmt Training (8 Credits per Student)	HPE Aruba WW Education Tech Training SVC	H1EJ9E	24		
Cloud Mgmt Training (8 Credits per Student)	INCLUDED: Managing Campus Networks with Aruba Central vILT	01125485_VILT	24		
Switching Training (16 Credits per Student)	HPE Aruba WW Education Tech Training SVC	H1EJ9E	48		
Switching Training (16 Credits per Student)	INCLUDED: Aruba OS CX Switching Fundamentals vILT	AOSCXSF_VILT	48		
Client Simulator Training (2 Credits per Student)	HPE Aruba WW Education Tech Training SVC	H1EJ9E	6		
Client Simulator Training (2 Credits per Student)	Configuring Aruba UXI Sensors, Rev. 21.11 e-learning and self-directed labs	0001172668_WBT	6		
Clearpass Training (16 Credits per Student)	HPE Aruba WW Education Tech Training SVC	H1EJ9E	48		
Clearpass Training (16 Credits per Student)	Aruba ClearPass Essentials, Rev. 20.11 vILT	0001131083_vILT	48		

Service Provider must meet the following qualifications to be considered for award. Documentation regarding the following qualifications MUST be included in the Service Provider's proposal. Non-inclusion of applicable documents is basis for disqualification.

1. When providing electronic equipment quotes for switches/hubs/routers, Service Provider must have at least 1 Certified Engineer or equivalent on staff.
2. When providing cable work, Service Provider must be RCDD certified.
3. When providing cable work, Service Provider must provide as-built diagrams in electronic and paper copy formats, and cable test results within 45 days of completion of work.
4. If providing cabling work, Service Provider and its subcontractors must have C-7 or C-10 License and maintain compliance with all required State of California Public Works/Prevailing Wage requirements.
5. If requested by the Applicant, Service Provider must be willing to have employees fingerprinted.
6. Service Provider shall provide with its quote the complete CMAS contract pages, including all pages that show the goods and/or services in Service Provider's quotation submittal. Said products shall be clearly highlighted for ease of identification.
7. Service Provider shall provide references for staff to be associated with project work and implementation.
8. All proposals need to include tax and shipping as separate items in the response.

**Prospective Service Providers are required to submit the following:**

1. Three (3) references describing Service Provider's portfolio experience with comparable projects within a K-12 customer market
2. Service Provider shall provide with its quote the complete CMAS contract pages, including all pages that show the goods and/or services in Service Provider's quotation submittal. Said products shall be clearly highlighted for ease of identification.
3. Service Provider's SPIN number
4. Service Provider's FCC Registration Number (FRN).
5. "Equipment list" completely filled in

Failure by Service Provider to supply these documents shall be considered grounds for disqualification.

**DATA CENTER INSTALLATION LOCATION**

Cucamonga School District  
8776 Archibald Ave  
Rancho Cucamonga, CA 91730

Equipment will be located at the District Datacenter and will service all district school sites. This address does not designate address for shipment of materials.

**SCHOOL LOCATIONS AND FURTHER INFORMATION**

**Cucamonga School District**

8776 Archibald Ave  
Rancho Cucamonga, CA 91730

**Cucamonga Elementary School**

8677 Archibald Ave.  
Rancho Cucamonga, CA 91730

**Los Amigos Elementary School**

8498 Ninth St.  
Rancho Cucamonga, CA 91730

**Rancho Cucamonga Middle School**

10022 Feron Blvd.  
Rancho Cucamonga, CA 91730

**THE ONTARIO CENTER School**

835 N. Center Ave.  
Ontario, CA 91764

These addresses do not designate address for shipment of materials.

