

REQUEST FOR PROPOSALS

**E-Rate Eligible Products and Services
Funding Year 7/1/2010 – 6/30/2011**



**HARVEST PREPARATORY ACADEMY
BEN 16051394**

0. E-Rate Background

The information in this Request For Proposals [RFP] is provided in conjunction with the Schools and Libraries Division [SLD] Forms 470 and 471, in partial fulfillment of the requirements for the FCC Universal Service Fund (a.k.a., "E-Rate") discounts. These programs provide discounts for: certain telecommunications products and services, including (Priority 1) voice and data communications; Internet access; and (Priority 2) internal connections; and basic maintenance of internal connections. For more information about these Federal programs, and before responding to this RFP, please refer to the SLD web site, www.usac.org/sl/, or call the SLD Help Line at 888-203-8100. Please do not contact school personnel either with general questions about E-Rate, or to offer ineligible services or services not requested on this RFP. Vendors must have a valid Service Provider Identification Number [SPIN] and meet other criteria, as further described herein. Service providers must be prepared to discount invoices to the school and submit the balance to the E-Rate program via Service Provider Invoice [SPI] forms, as specified by the SLD. Invoicing information is further described below.

Answers to questions of general interest from qualified vendors may be posted on this web site, and should be considered to be formal addenda to this RFP. This may occur from time to time during the bidding period; please be sure to check back periodically while preparing your proposal. Telephone, facsimile, or snail mail inquiries are strongly discouraged, and are apt to be overlooked during proposal evaluation. The Applicant is a school, school consortium, or school district and does not have the personnel resources to respond to generalized inquiries or blanket advertising (such as for desktop computers or desktop filtering software) broadly targeting E-Rate applicants. Such materials shall be deemed "Unsolicited Commercial Email" [UCE] (better known as "spam") and are apt to cause *all* of your information to be discarded, your email address to become blacklisted by our email filtering system, and/or (at a minimum) to divert reviewer attention from any materials intended as legitimate responses to this RFP. Therefore, please clearly indicate to which of the following requirements your proposal is a valid response. Your proposal should refer to corresponding Form 470 Number and Billed Entity Number, and should clearly indicate your currently valid SPIN number and FCC Registration Number [FCC RN]. **Descriptions of products and services are required to provide sufficient line item detail, and be submitted in a suitable format, for use as Form 471, Item 21 attachments, without the need for subsequent modification by the applicant.**

1.0 Introduction and Scope

For funding year 2010-2011, Harvest Preparatory Academy (hereinafter, "Applicant") seeks proposals for eligible products and services in the following categories of service:

- Telecommunications
- Internet Access
- Internal Connections
- Basic Maintenance of Internal Connections

A list of all schools participating in this RFP is included as Attachment A.

Applicant intends to obtain appropriate, eligible products and services to improve telecommunications and/or Internet access services and/or technology infrastructure improvements so as to improve student achievement in its classrooms. Qualified persons interested in bidding on

these products and services (hereinafter, “Vendor”) should submit bids including all costs associated with the delivery of the products and services (parts, labor, installation, testing, acceptance, configuration, turn-up, shipping, and so on). Any line items not eligible for E-Rate discounts according to SLD program rules should be clearly identified as such and such items should be minimized. Vendors of ineligible products and services, however useful to school technology programs (such as, say end user computers) should *not* respond to this RFP. Applicant will seek whatever other products and services are required separately. Attempts to include excessive quantities of ineligible items or even the appearance of attempting to circumvent program rules will cause Vendor’s submission to be deemed nonresponsive and result in disqualification of your bid.

1.1 Evaluation Methodology

Each responsive proposal meeting the minimum qualifications will be evaluated using weighted criteria including cost of the eligible products and services, and other factors as determined by the Applicant. For any given category of service, the proposal that is deemed to be in the best interest of the Applicant, based on scoring these factors, shall be selected for award. *Decisions are not solely based on the lowest price.*¹ After elimination of nonresponsive bids or bids that are disqualified for specific reasons described herein, proposals will be evaluated based upon the requirements described below. The evaluation criteria to be used are:

| Factor | Weight |
|---|---------------|
| Cost | 25% |
| Prior track record with E-Rate | 20% |
| Industry credentials and certifications | 18% |
| Ability to provide turnkey solution | 17% |
| Quality of Technical Solution | 10% |
| Long term experience in K-12 | 10% |
| Total | 100% |

Within a given category of service, Applicant has a preference, but not a requirement, for turnkey solutions, wherein a single contract with a single vendor completely addresses all requirements for that category. In the case of Priority 1 services – where applicable – there is a preference for inclusion of all necessary customer premise equipment [CPE] as part of an end-to-end solution.

¹As is required for compliance with E-Rate regulations, cost of the eligible products and services will be the *highest weighted factor* but *not the only factor* taken into consideration.

2. REQUIRED TERMS AND CONDITIONS

2.0 Submission Deadline & Delivery Address

The deadline for submission of proposals is midnight, Pacific Time, on **February 07, 2010**

Proposals should be submitted as follows (all three elements are required):

- Via email (single file, consecutive page numbered, MS Office or PDF format) to:
erate.hpa@learningtech.org
- Signature page(s), executed by the Vendor, via facsimile, to:
[866-801-8667](tel:866-801-8667)
- Paper copy, with original signatures, with outside of envelope clearly identified as follows:
E-RATE TECHNOLOGY BID
Harvest Preparatory Academy
350 East 18th Street
Yuma, Arizona, 85364
ATTN: TECHNOLOGY COORDINATOR

All three elements are required. It is sufficient for paper copy to be postmarked by the submission deadline, but in any event it must be received no later than 12:00 noon of the next working day after the electronic submission deadline, including the **date signed and the binding original signature of the vendor's authorized representative**. There should be a place for the Applicant to sign and date, if your bid is accepted. It is the sole responsibility of the respondents to ensure that their responses arrive in a timely manner. The Applicant has the right but not the obligation to reject all late or incomplete submissions, as the Applicant determines to be in its own best interest, or to contact vendors such as to seek ministerial corrections. The Applicant has the right but not the obligation to determine a short list for final negotiations and contract revisions after the submission deadline or to accept the winning proposal and execute it as is.

Oral and telephone bids will not be considered, nor will modifications of proposals by such communication be considered. The completed proposal form shall be without erasures or alterations. Delivery of the proposals will be considered authorization by the Vendor to make a contract, if awarded.

2.1 Costs Associated with Preparation of the Vendor's Response

The Applicant will not be liable for any cost incurred by the respondents in preparing responses to this RFP or negotiations associated with award of a contract.

2.2 Subcontractors

All subcontractors working on Applicant's projects must be insured and drug-free and must meet the same standards and qualifications applicable to regular employees. Applicant has a preference for limiting the use of subcontractors (reflected within one or more of the bid evaluation factors).

2.3 Interpretation and Additional Information and Addenda

Any interpretation, correction, clarification or change of the RFP will be made by ADDENDUM.

Interpretations, corrections, or changes to the RFP made in any other manner will not be binding, and the Vendors shall not rely upon such interpretations, corrections, or changes. The Applicant will issue any changes or corrections by posting them at <http://www.learningtech.org/erate/hpa/>. It shall be the sole responsibility of the Vendor to check for all posted ADDENDA prior to submitting their bid. Questions or requests for clarification of this RFP should be sent to the bid submission email address shown above. Vendors should not attempt to contact Applicant personnel by telephone or in person during the bidding period, since such contacts can potentially taint the fair and level playing field. Answers to questions submitted by email will be posted on the web site and should be considered amendments or clarifications that are integral to this RFP.

2.4 Omissions

Omissions in the proposal of any provision herein described shall not be construed as to relieve the Vendor of any responsibility or obligation to the complete and satisfactory delivery, operation, and support of any and all equipment or services.

2.5 Financing

After notification of award and prior to the start of work, the Vendor will receive purchase order(s) for the products and services for which the Vendor will be responsible as a result of the RFP. Purchase order(s) will show the total cost of services and the amount that is the responsibility of the local school system as well as the E-Rate discount. **The final payment of this project will be rendered only after an extensive final walk-through or acceptance procedure at the completion of the installation. Applicant will strictly enforce the bid guidelines and the quality of the installation.** Final testing will take place in the presence of a designated technology staff member. Applicant technology staff or designated consultants will have total discretion to require any needed changes to meet current industry standards including those of the selected manufacturers in the case of eligible products and to fully comply with the specifications contained in the RFP and proposal.

This project is being requested for funding through E-Rate. If funded, all SLD payment schedules will take priority. If the project is not funded, then local funding policies will take place, in the event Applicant decides to proceed without E-Rate funding. In either case, the above paragraph regarding compliance with acceptance procedures prior to final payment will be strictly enforced.

If this project or any part thereof is not funded by E-Rate, Applicant reserves the right to change or cancel the entire project or any portion. Applicant will notify the winning Vendor if scope will require changes or of project cancellation is necessary due to non-funding by SLD.

2.6 Warranty

The Vendor shall fully warrant with the manufacturer's warranty all items provided under this RFP against defects in material and workmanship. Warranty information should be on a per item basis on the RFP and detailed in the Bid Proposal. The vendor may also be expected to provide on-site service in addition to the manufacturer's warranty, so please list this service in detail where applicable.² Should any defects in workmanship or material, excepting ordinary wear and tear, appear during the warranty period, the manufacturer and his representative shall repair or replace

² However, such services may fall under the category of Basic Maintenance, depending on the proposed services.

such items immediately upon receipt of a written notice from the Applicant.

2.7 Price Quotations

Price quotations are to include the furnishing of all materials, equipment, maintenance, shipping cost, delivery, installation, taxes, surcharges, and the provision of all labor and services necessary or proper for the completion of the work, except as may be otherwise expressly provided in the Contract Documents. The Applicant will not be liable for any costs beyond those proposed herein and awarded. Time and materials quotations will be unacceptable. Please clearly identify costs associated with necessary but ineligible items and keep such items to a minimum; our intent is to seek *only* eligible services with this RFP, to the extent technically feasible.

2.8 Evaluation of Responses

The Applicant may at its discretion and at no fee to the Applicant, invite any Vendor to appear for questioning during response evaluation for the purpose of clarifying statements in the response.

2.9 Right to Reject

The Applicant reserves the right to accept or reject all proposals when the rejection is in the best interest of the Applicant, such as when no bid is deemed to be cost-effective or when conditions change significantly such as due to unexpectedly low enrollment. The Applicant also reserves the right to award without further discussion. Therefore, responses should be submitted initially with the most favorable pricing and terms that the Vendor is able to propose. Certain criteria such as lack of certifications have been indicated herein as potential causes for disqualification; awards will be to the highest ranked Vendor, with price as the highest weighted factor, after elimination of disqualified or nonresponsive bids. Applicant reserves the right to award for some, all, or none of the products and services sought herein; if your bid does not allow for selection of a subset of line items or minor variations in the quantities required, please clearly indicate these limitations.

2.10 Form of Contract

As indicated on the corresponding Form 470, Applicant will consider all allowable forms of contract including multi-year contracts and contracts with voluntary renewals. Winning vendor should not start work or incur expenses until explicitly notified to do so in writing by School Purchase Order or equivalent written instrument; notification of award is *not* in itself authorization to start work. Applicant has the right but not the obligation to begin work prior to Funding Commitment Decision Letter and approval of funding; Applicant has a right but not the obligation to cancel or reduce the scope of any project for which E-Rate funding is denied or reduced. For multi-year contracts or contracts with voluntary renewals, these rights apply to each successive funding year independently. Vendor commits to honor pricing and scope of work (some part substitutions might be required over time) for up to 18 months while awaiting FCDL. Bidder warrants that all work shall be performed according to best practices in the field of endeavor and in a manner that is fully compliant with all aspects of the E-Rate program, including invoicing for and requiring payment of the Applicant share. In no event should work commence prior to July 1, 2010. If applicable, Internal Connections contracts should be valid until at least September 30, 2011 and automatically extend in the event that the corresponding FRN is extended by SLD. Contracts for other services should begin and end on SLD funding year boundaries (July 1 – June 30). ***This RFP and all addenda issued pursuant this RFP shall be incorporated by reference into the final contract.***

This RFP and any resulting contract(s) are intended to be fully compliant with all applicable state and local laws and purchasing regulations, as well as with the rules of the E-Rate program.

Vendors are invited to bid on the entire project or on substantial, well-defined portions of the project. For example, one vendor might bid only on cabling infrastructure, with a separate vendor bidding only on active elements. However, Applicant has a preference for a single contract providing a turnkey solution, as implied by the bid evaluation criteria. All bidders must have valid SPIN numbers, FCC Registration Numbers, and up-to-date SPAC filings with the SLD; providers of services in the telecommunications category must also be Eligible Telecommunications Providers according to the SLD database (common carriers paying into the USAC fund).

3. PRODUCT AND SERVICES SOUGHT

Categories and Specifications

3.1. Telecommunications Services

3.1.1. Reliable voice and data communications between classrooms, campuses, families and the outside world, including:

3.1.1.1. Local and long distance telephone

3.1.1.2. Including security alarm, fire alarm, fax and 911

3.1.2. Yuma Campus

3.1.2.1. Up to 27 lines

3.1.2.1.1. Up to 20 voice lines

3.1.2.1.2. Up to 2 lines dedicated to Fire Alarm

3.1.2.1.3. Up to 1 line dedicated to Security System

3.1.2.1.4. Up to 4 lines for FAX service

3.1.2.2. Full-feature voicemail system with up to 80 voicemail boxes

3.1.2.3. Switching technology to enable service to each classroom

3.1.2.4. Paging

3.1.2.5. Conferencing services

3.1.2.6. Interconnected VoIP solution will be considered, to the extent eligible. This approach will be compared to the acquisition of in-house equipment under Priority two funding

3.1.3. San Luis Campus

3.1.3.1. Must accommodate:

3.1.3.1.1. Up to 15 lines

3.1.3.1.1.1. Up to 10 voice lines

3.1.3.1.1.2. Up to 2 lines dedicated to Fire Alarm

3.1.3.1.1.3. Up to 1 line dedicated to Security System

3.1.3.1.1.4. Up to 2 lines for FAX service

3.1.3.1.2. Full-feature voicemail system with up to 60 voicemail boxes

3.1.3.1.3. Switching technology to enable service to each classroom

- 3.1.3.1.4. Paging
- 3.1.3.1.5. Conferencing services
- 3.1.3.1.6. Interconnected VoIP solution will be considered, to the extent eligible.
This approach will be compared to the acquisition of in-house equipment under Priority two funding

3.1.4. **Somerton Campus**

- 3.1.4.1. Must accommodate:
 - 3.1.4.1.1. Up to 15 lines
 - 3.1.4.1.1.1. Up to 10 voice lines
 - 3.1.4.1.1.2. Up to 2 lines dedicated to Fire Alarm
 - 3.1.4.1.1.3. Up to 1 line dedicated to Security System
 - 3.1.4.1.1.4. Up to 2 lines for FAX service
 - 3.1.4.1.2. Full-feature voicemail system with up to 40 voicemail boxes
 - 3.1.4.1.3. Switching technology to enable service to each classroom
 - 3.1.4.1.4. Paging
 - 3.1.4.1.5. Conferencing services
 - 3.1.4.1.6. Interconnected VoIP solution will be considered, to the extent eligible.
This approach will be compared to the acquisition of in-house equipment under Priority two funding
 - 3.1.4.1.7. If the campus is able to have VoIP services re-directed from another campus without the loss of fidelity or security; this method may be selected.

3.1.5. **Cellular Phone Service**

- 3.1.5.1. **Cell phone service that can supply data service**
 - 3.1.5.1.1. Cellular Service for both campuses should be able to pool minutes
 - 3.1.5.1.2. Minute pool should be a minimum of 600-1000 minutes per month per phone
 - 3.1.5.1.3. 2 Phones on unlimited use
 - 3.1.5.1.4. **Yuma Campus**
 - 3.1.5.1.4.1. Service for up to 45 Cell Phones
 - 3.1.5.1.4.1.1. 25 with voice service only
 - 3.1.5.1.4.1.2. 20 with Voice and Data service
 - 3.1.5.1.5. **San Luis Campus**
 - 3.1.5.1.5.1. Service for up to 25 Cell Phones
 - 3.1.5.1.5.1.1. 10 with Voice service only
 - 3.1.5.1.5.1.2. 15 with voice and data service
 - 3.1.5.1.6. **Somerton Campus**
 - 3.1.5.1.6.1. Service for up to 10 Cell Phones
 - 3.1.5.1.6.1.1. 5 with Voice service only
 - 3.1.5.1.6.1.2. 5 with voice and data service

3.1.5.2. Cell phone service with walky-talky like feature and the ability to turn off voice service

- 3.1.5.2.1. Service for 25 direct connecting phones with minimum usage plan and pooled minutes

3.2. Internet Access

3.2.1. Service Provider / ISP

3.2.1.1. Yuma Campus

- 3.2.1.1.1. Fiber or DS3 or T1s or Cable or any other viable cost-effective technology will be considered
- 3.2.1.1.2. Service Level Agreement to 99.9% up time and full bandwidth
- 3.2.1.1.3. The ideal provider would be able to offer a multiyear contract with service starting at 20Mb/s and then be able to ramp up to 1Gb/s without changing the end date of the contract
- 3.2.1.1.4. Private network connection between Yuma, San Luis and Somerton campuses
- 3.2.1.1.5. Connection to “Internet”
- 3.2.1.1.6. There is no “line of sight” between campuses

3.2.1.2. San Luis Campus

- 3.2.1.2.1. Fiber or DS3 or T1s or Cable or any other viable cost-effective technology will be considered
- 3.2.1.2.2. Service Level Agreement to 99.9% up time and full bandwidth
- 3.2.1.2.3. The ideal provider would be able to offer a multiyear contract with service starting at 20Mb/s and then be able to ramp up to 1Gb/s without changing the end date of the contract
- 3.2.1.2.4. Private network connection between Yuma, San Luis and Somerton campuses

3.2.1.3. San Luis Campus

- 3.2.1.3.1. Fiber or DS3 or T1s or Cable or any other viable cost-effective technology will be considered
- 3.2.1.3.2. Service Level Agreement to 99.9% up time and full bandwidth
- 3.2.1.3.3. he ideal provider would be able to offer a multiyear contract with service starting at 20Mb/s and then be able to ramp up to 1Gb/s without changing the end date of the contract
- 3.2.1.3.4. Private network connection between Yuma, San Luis and Somerton campuses

3.2.1.4. DNS services

3.2.1.5. 8 public IP addresses

3.2.2. Web Services

- 3.2.2.1. Host our School domain
- 3.2.2.2. Web Services will be evaluated with the following methodology

| Factor | Weight |
|---|---------------|
| Cost | 25% |
| Technical merit | 22% |
| Prior track record with E-Rate | 20% |
| Ability to interface with SchoolMaster Data | 18% |
| Long term experience in K-12 | 15% |
| Total | 100% |

3.2.3. Email Services

- 3.2.3.1. A hosted Email service for up to 175 student email accounts
- 3.2.4. Cellular Phone Data Service (see section 3.2)

3.3. Internal Connections

3.3.1. San Luis

3.3.1.1. LAN Cabling

3.3.1.1.1. Classrooms

- 3.3.1.1.1.1. 60 Classroom
- 3.3.1.1.1.2. One 4 port drop site located near available power.
- 3.3.1.1.1.3. 1 port near ceiling for use with a PoE wireless access point
- 3.3.1.1.1.4. 1 port for use of instructor on wall used by primary display board in the classroom

3.3.1.1.2. Offices

- 3.3.1.1.2.1. 14 offices
- 3.3.1.1.2.2. Two 3 port drop sites located near available power.
- 3.3.1.1.2.3. 1 port near ceiling for use with a PoE wireless access point

3.3.1.1.3. Computer Lab

- 3.3.1.1.3.1. 3 Labs
- 3.3.1.1.3.2. Each lab should have its own IDF
- 3.3.1.1.3.3. Up to 32 Computer per lab
- 3.3.1.1.3.4. An additional Instructional site with connections for class printer, VoIP phone, Instructor’s computer, aide’s computer

3.3.1.1.4. Cabling

- 3.3.1.1.4.1. Cabling drops to be configured with:
- 3.3.1.1.4.2. All copper cable should be CAT6 or better
- 3.3.1.1.4.3. 1 Power over Ethernet [PoE] port at ceiling level to run a wireless access point
- 3.3.1.1.4.4. Location of drops to be selected in area where there are power plugs available for equipment
- 3.3.1.1.4.5. MDF to IDFs runs should use Fiber optic cable
- 3.3.1.1.4.6. Any fiber Optic cable that is run must, at a minimum, be 8 strand 50/125 µm multi mode fiber with LC type terminations on all strands

- 3.3.1.1.4.7. 19 inch 4-post rack in a cabinet to be included for the MDF
 - 3.3.1.1.4.8. All IDFs must include, at a minimum, a wall mounted securable enclosure to hold patch panels and other hardware and be fastened to the wall in a manner that the enclosure and the wall fastener system will be able to hold a minimum of 175 Lbs.
 - 3.3.1.1.4.9. Please quote per drop pricing, preferably including all eligible parts, labor, taxes, and shipping costs.
 - 3.3.1.1.4.10. All wiring must be in compliance with TIA/EIA 568B standards. (This is not to be confused with T568A and T568B termination punch order standards)
 - 3.3.1.1.4.11. All wiring must be labeled on both ends, tested and wiring maps created. Copper and Fiber Optic test results and Wire Maps are to be supplied to the Applicant in electronic format.
 - 3.3.1.1.4.12. All necessary racks, cabinets, patch panels, raceway, surface mount boxes, and similar items needed to have a complete and working system should be included in cabling bids; and racks should be large enough to accommodate other eligible equipment such as switches, routers, and servers that would need to be co-located with patch panels, whether or not provided by the same Vendor.
- 3.3.1.2. **LAN Equipment (Switches, Routers, etc.)**
- 3.3.1.2.1. **Switches, Routers, Etc.**
 - 3.3.1.2.1.1. Router, if needed for Internet uplink, if not provided as part of ISP Priority 1 CPE end-to-end solution
 - 3.3.1.2.1.2. If needed, router should have a minimum of 4 interconnections and bid should include all modules, plug or other needed to bring system operational
 - 3.3.1.2.1.3. Up to two additional routers might be required depending on the backbone connectivity and ISP solutions. If required, it is preferable for all routers to be identical make and models
 - 3.3.1.2.1.4. All switches used to connect to offices or class rooms must be PoE capable
 - 3.3.1.2.1.5. All equipment with connections to Fiber optic cable must be able to support 4 – 10Gb miniGBIC SFP modules with LC connections
 - 3.3.1.2.1.6. Stackable switches are preferred
 - 3.3.1.2.1.7. All switches must have layer 2, 3 and 4 capabilities and support QoS
 - 3.3.1.2.1.8. All equipment must be mountable on standard 19 inch racks
 - 3.3.1.2.1.9. We prefer switches to be identical models, with 24 usable RJ45 ports. (This would facilitate future support and maintenance.)
 - 3.3.1.2.1.10. It is anticipated that there will be a need for a MDF and multiple IDFs
 - 3.3.1.2.1.11. MDF to contain:
 - 3.3.1.2.1.12. Router
 - 3.3.1.2.1.13. Switches sufficient to activate all ports with modest growth

- 3.3.1.2.1.14. Patch panel for Telephone
- 3.3.1.2.1.15. Patch panel for Data Traffic
- 3.3.1.2.1.16. Servers
- 3.3.1.2.1.17. UPS
- 3.3.1.2.1.18. IDF to contain:
- 3.3.1.2.1.19. Patch panel
- 3.3.1.2.1.20. 2 Switches
- 3.3.1.2.1.21. UPS

3.3.1.2.2. Servers/VoIP PBX/PVBX

3.3.1.2.2.1. DNS/DHCP Server

3.3.1.2.2.1.1. Applicant requires a Windows 2008 server for DHCP and DNS. Operating system should be Windows Server 2008 Enterprise Edition. Although storage of user files is not an eligible function and hence not a requirement of this server, hard drives should be selected and configured in a manner to eliminate or minimize down time. An E-Rate acceptable Backup is solution is desired. Other specifications include:

3.3.1.2.2.1.2. Operating system

3.3.1.2.2.1.2.1. Should include Software assurance.

3.3.1.2.2.1.2.2. Operating system and Client Licenses should be purchased as site licenses and under K12 pricing.

3.3.1.2.2.1.2.3. Must include media.

3.3.1.2.2.1.3. 19 inch Rack mountable

3.3.1.2.2.1.4. no more than 2U

3.3.1.2.2.1.5. Mirrored Hard drives 500GB SATA minimum

3.3.1.2.2.1.6. 6GB RAM expandable to 16GB

3.3.1.2.2.1.7. 2.6GHz Core 2 Quad Xeon Processor or equivalent or better

3.3.1.2.2.1.8. DHCP

3.3.1.2.2.1.9. Domain DNS

3.3.1.2.2.1.10. CALs for 300 users (admin, teachers and student accounts)

3.3.1.2.2.1.11. An E-Rate eligible backup system to include all hardware and software components

3.3.1.2.2.2. PVBX System

3.3.1.2.2.2.1. 19 inch Rack mountable

3.3.1.2.2.2.2. Capacity to stream Video to 10 classrooms simultaneously over an Ethernet network

3.3.1.2.2.2.3. To include all eligible needed hardware and software components

3.3.1.2.2.3. Uninterruptible Power Supply (UPS)

- 3.3.1.2.2.3.1. A suitable rack mount UPS should be provided for each rack of eligible equipment.
- 3.3.1.2.2.3.2. MDF and all IDFs, containing routers, servers, or Power over Ethernet [PoE] switches, supporting smart shutdown and 30 minutes of uptime given the anticipated loads.
- 3.3.1.2.2.3.3. Capacity to support all eligible LAN/WAN connection components (up to 3 routers and 1 server and at least six 48 port switches, etc.) and work with PoE.
- 3.3.1.2.2.3.4. Of the ports on the switches it is estimated that no more than 30% of the ports would be connected to PoE devices at a time.

3.3.1.2.2.4. PBX

- 3.3.1.2.2.4.1. PBX with Centrex-like features or similar equipment (unless a hosted solution is selected in Priority 1 filing). Must accommodate:
 - 3.3.1.2.2.4.2. 15 lines:
 - 3.3.1.2.2.4.3. 10 voice lines
 - 3.3.1.2.2.4.4. Alarm Lines are NOT to be part of voice system
 - 3.3.1.2.2.4.5. 75 voicemail boxes
 - 3.3.1.2.2.4.6. Intercom calling
 - 3.3.1.2.2.4.7. Individual extension will be punched to a ANSI/TIA/EIA-568-B CAT6 RJ45 Patch panel
 - 3.3.1.2.2.4.8. Only E-Rate eligible components and solutions should be proposed
 - 3.3.1.2.2.4.9. VoIP may be selected over traditional PBX if cost-effective
 - 3.3.1.2.2.4.10. An Interconnected (hosted) VoIP solution will also be considered.

3.3.1.2.2.5. Wireless Access Point Controller

- 3.3.1.2.2.5.1. Ability to handle up to 100 802.11n wireless access points
- 3.3.1.2.2.5.2. Designed to work with VoIP on separate VLAN
- 3.3.1.2.2.5.3. Able to establish and maintain a Wireless Mesh Network

3.3.1.2.2.6. Wireless Access Points 802.11n

- 3.3.1.2.2.6.1. Ability to work with Access point Controller
- 3.3.1.2.2.6.2. Designed to work with VoIP on separate VLAN
- 3.3.1.2.2.6.3. Able to establish and maintain a Wireless Mesh Network
- 3.3.1.2.2.6.4. PoE capable
- 3.3.1.2.2.6.5. Sufficient quantity to establish a seamless mesh network throughout school area

3.3.1.2.2.6.6. Able to reliably maintain network access for up to 40 simultaneous connections at any location.

3.3.2. Somerton

3.3.2.1. LAN Cabling

3.3.2.1.1. Classrooms

3.3.2.1.1.1. 15 Classroom

3.3.2.1.1.2. One 4 port drop site located near available power.

3.3.2.1.1.3. 1 port near ceiling for use with a PoE wireless access point

3.3.2.1.1.4. 1 port for use of instructor on wall used by primary display board in the classroom

3.3.2.1.2. Offices

3.3.2.1.2.1. 8 offices

3.3.2.1.2.2. Two 3 port drop sites located near available power.

3.3.2.1.2.3. 1 port near ceiling for use with a PoE wireless access point

3.3.2.1.3. Computer Lab

3.3.2.1.3.1. 1 Lab

3.3.2.1.3.2. Each lab should have its own IDF

3.3.2.1.3.3. Up to 32 Computer per lab

3.3.2.1.3.4. An additional Instructional site with connections for class printer, VoIP phone, Instructor's computer, aide's computer

3.3.2.1.4. Cabling

3.3.2.1.4.1. Cabling drops to be configured with:

3.3.2.1.4.2. All copper cable should be CAT6 or better

3.3.2.1.4.3. 1 Power over Ethernet [PoE] port at ceiling level to run a wireless access point

3.3.2.1.4.4. 4 ports in one location in the room for hard wire port for teacher computer, telephone or VoIP phone, network printer and a spare port for classroom aide

3.3.2.1.4.5. Location of drops to be selected in area where there are power plugs available for equipment

3.3.2.1.4.6. MDF to IDFs runs should use Fiber optic cable

3.3.2.1.4.7. Any fiber Optic cable that is run must, at a minimum, be 8 strand 50/125 μ m multi mode fiber with LC type terminations on all strands

3.3.2.1.4.8. 19 inch 4-post rack in a cabinet to be included for the MDF

3.3.2.1.4.9. All IDFs must include, at a minimum, a wall mounted securable enclosure to hold patch panels and other hardware and be fastened to the wall in a manner that the enclosure and the wall fastener system will be able to hold a minimum of 175 Lbs.

3.3.2.1.4.10. Please quote per drop pricing, preferably including all eligible parts, labor, taxes, and shipping costs.

3.3.2.1.4.11. All wiring must be in compliance with TIA/EIA 568B standards. (This is not to be confused with T568A and T568B termination punch order standards)

- 3.3.2.1.4.12. All wiring must be labeled on both ends, tested and wiring maps created. Copper and Fiber Optic test results and Wire Maps are to be supplied to the Applicant in electronic format.
- 3.3.2.1.4.13. All necessary racks, cabinets, patch panels, raceway, surface mount boxes, and similar items needed to have a complete and working system should be included in cabling bids; and racks should be large enough to accommodate other eligible equipment such as switches, routers, and servers that would need to be co-located with patch panels, whether or not provided by the same Vendor.
- 3.3.2.2. **LAN Equipment (Switches, Routers, etc.)**
 - 3.3.2.2.1. **Switches, Routers, Etc.**
 - 3.3.2.2.1.1. Router, if needed for Internet uplink, if not provided as part of ISP Priority 1 CPE end-to-end solution
 - 3.3.2.2.1.2. If needed, router should have a minimum of 4 interconnections and bid should include all modules, plug or other needed to bring system operational
 - 3.3.2.2.1.3. Up to two additional routers might be required depending on the backbone connectivity and ISP solutions. If required, it is preferable for all routers to be identical make and models
 - 3.3.2.2.1.4. All switches used to connect to offices or class rooms must be PoE capable
 - 3.3.2.2.1.5. All equipment with connections to Fiber optic cable must be able to support 4 – 10Gb miniGBIC SFP modules with LC connections
 - 3.3.2.2.1.6. Stackable switches are preferred
 - 3.3.2.2.1.7. All switches must have layer 2, 3 and 4 capabilities and support QoS
 - 3.3.2.2.1.8. All equipment must be mountable on standard 19 inch racks
 - 3.3.2.2.1.9. We prefer switches to be identical models, with 24 usable RJ45 ports.
(This would facilitate future support and maintenance.)
 - 3.3.2.2.1.10. It is anticipated that there will be a need for a MDF and multiple IDFs
 - 3.3.2.2.1.11. MDF to contain:
 - 3.3.2.2.1.12. Router
 - 3.3.2.2.1.13. Switches sufficient to activate all ports with modest growth
 - 3.3.2.2.1.14. Patch panel for Telephone
 - 3.3.2.2.1.15. Patch panel for Data Traffic
 - 3.3.2.2.1.16. Servers
 - 3.3.2.2.1.17. UPS
 - 3.3.2.2.1.18. IDF to contain:
 - 3.3.2.2.1.19. Patch panel
 - 3.3.2.2.1.20. 2 Switches
 - 3.3.2.2.1.21. UPS

3.3.2.2.2. **Servers/VoIP PBX/PVBX**

3.3.2.2.2.1. **DNS/DHCP Server**

3.3.2.2.2.1.1. Applicant requires a Windows 2008 server for DHCP and DNS. Operating system should be Windows Server 2008 Enterprise Edition. Although storage of user files is not an eligible function and hence not a requirement of this server, hard drives should be selected and configured in a manner to eliminate or minimize down time. An E-Rate acceptable Backup is solution is desired. Other specifications include:

3.3.2.2.2.1.2. Operating system

3.3.2.2.2.1.2.1. Should include Software assurance.

3.3.2.2.2.1.2.2. Operating system and Client Licenses should be purchased as site licenses and under K12 pricing.

3.3.2.2.2.1.2.3. Must include media.

3.3.2.2.2.1.3. 19 inch Rack mountable

3.3.2.2.2.1.4. no more than 2U

3.3.2.2.2.1.5. Mirrored Hard drives 500GB SATA minimum

3.3.2.2.2.1.6. 4GB RAM expandable to 16GB

3.3.2.2.2.1.7. 2.6GHz Core 2 Quad Xeon Processor or equivalent or better

3.3.2.2.2.1.8. DHCP

3.3.2.2.2.1.9. Domain DNS

3.3.2.2.2.1.10. CALs for 125 users (admin, teachers and student accounts)

3.3.2.2.2.1.11. An E-Rate eligible backup system to include all hardware and software components

3.3.2.2.2.2. **PVBX System**

3.3.2.2.2.2.1. 19 inch Rack mountable

3.3.2.2.2.2.2. Capacity to stream Video to 10 classrooms simultaneously over an Ethernet network

3.3.2.2.2.2.3. To include all eligible needed hardware and software components

3.3.2.2.2.3. **Uninterruptible Power Supply (UPS)**

3.3.2.2.2.3.1. A suitable rack mount UPS should be provided for each rack of eligible equipment.

3.3.2.2.2.3.2. MDF and all IDFs, containing routers, servers, or Power over Ethernet [PoE] switches, supporting smart shutdown and 30 minutes of uptime given the anticipated loads.

3.3.2.2.2.3.3. Capacity to support all eligible LAN/WAN connection components (up to 3 routers and 1 server and at least six 48 port switches, etc.) and work with PoE.

3.3.2.2.2.3.4. Of the ports on the switches it is estimated that no more than 30% of the ports would be connected to PoE devices at a time.

3.3.2.2.2.4. **PBX**

3.3.2.2.2.4.1. PBX with Centrex-like features or similar equipment (unless a hosted solution is selected in Priority 1 filing). Must accommodate:

3.3.2.2.2.4.2. 15 lines:

3.3.2.2.2.4.3. 10 voice lines

3.3.2.2.2.4.4. Alarm Lines are NOT to be part of voice system

3.3.2.2.2.4.5. 40 voicemail boxes

3.3.2.2.2.4.6. Intercom calling

3.3.2.2.2.4.7. Individual extension will be punched to a ANSI/TIA/EIA-568-B CAT6 RJ45 Patch panel

3.3.2.2.2.4.8. Only E-Rate eligible components and solutions should be proposed

3.3.2.2.2.4.9. VoIP may be selected over traditional PBX if cost-effective

3.3.2.2.2.4.10. An Interconnected (hosted) VoIP solution will also be considered.

3.3.2.2.2.5. **Wireless Access Point Controller**

3.3.2.2.2.5.1. Ability to handle up to 50 802.11n wireless access points

3.3.2.2.2.5.2. Designed to work with VoIP on separate VLAN

3.3.2.2.2.5.3. Able to establish and maintain a Wireless Mesh Network

3.3.2.2.2.6. **Wireless Access Points 802.11n**

3.3.2.2.2.6.1. Ability to work with Access point Controller

3.3.2.2.2.6.2. Designed to work with VoIP on separate VLAN

3.3.2.2.2.6.3. Able to establish and maintain a Wireless Mesh Network

3.3.2.2.2.6.4. PoE capable

3.3.2.2.2.6.5. Sufficient quantity to establish a seamless mesh network throughout school area

3.3.2.2.2.6.6. Able to reliably maintain network access for up to 40 simultaneous connections at any location.

3.3.3. **Yuma**

3.3.3.1. **LAN Cabling**

3.3.3.1.1. **Move Current MDF**

- 3.3.3.1.1.1. Relocate Current equipment racks and equipment to new MDF location
- 3.3.3.1.1.2. Re-run all Copper and fiber optic cable that terminates in current MDF to new MDF
- 3.3.3.1.1.3. Copper cable to be moved includes cables to MPOE and other telephone/T1 lines.
- 3.3.3.1.1.4. Any new rack must be a 19 inch 4 post rack in an enclosed cabinet.
- 3.3.3.1.2. **Fiber Optic Cable**
 - 3.3.3.1.2.1. Fiber Optic home runs from new MDF to each IDF.
 - 3.3.3.1.2.2. Any fiber Optic cable that is run must, at a minimum, be 8 strand 50/125 μ m multi mode fiber with LC type terminations on all strands
 - 3.3.3.1.2.3. All fiber optic cable must be capable of 10Gb/s speeds.
 - 3.3.3.1.2.4. All wiring must be labeled on both ends, tested and wiring maps created. Test results and Wire Maps are to be supplied to the Applicant in electronic format.
 - 3.3.3.1.2.5. New Fiber Optic patch panels must be installed on for new Fiber Optic cables on both ends of the cable.
- 3.3.3.1.3. **Twisted Pair Cable**
 - 3.3.3.1.3.1. All copper cable should be CAT6 or better
 - 3.3.3.1.3.2. All wiring must be in compliance with TIA/EIA 568B standards. (This is not to be confused with T568A and T568B termination punch order standards)
 - 3.3.3.1.3.3. All wiring must be labeled on both ends, tested and wiring maps created. Test results and Wire Maps are to be supplied to the Applicant in electronic format.
 - 3.3.3.1.3.4. Numbering on Patch panels must match the numbers on the wall jack and on the both ends of the cables.
- 3.3.3.2. **LAN Equipment (Switches, Routers, etc.)**
 - 3.3.3.2.1. **Switches, Routers, Etc.**
 - 3.3.3.2.1.1. **Switches**
 - 3.3.3.2.1.1.1. Quantity 8
 - 3.3.3.2.1.1.2. 24 10/100/1000 base-T RJ45 ports
 - 3.3.3.2.1.1.3. PoE on all Copper ports
 - 3.3.3.2.1.1.4. 4 SFP miniGBIC ports capable 10Gb/s
 - 3.3.3.2.1.1.5. Layer 2/3/4
 - 3.3.3.2.1.1.6. VLAN
 - 3.3.3.2.1.1.7. QoS
 - 3.3.3.2.1.1.8. Stackable switches are preferred
 - 3.3.3.2.1.1.9. 100% Cisco compatible
 - 3.3.3.2.1.1.10. All equipment must be mountable on standard 19 inch racks
 - 3.3.3.2.1.2. **Router**, if needed for Internet uplink, if not provided as part of ISP Priority 1 CPE end-to-end solution

- 3.3.3.2.1.2.1. Router should have a minimum of 8 interconnections for T1 circuits
- 3.3.3.2.1.2.2. Route should have a minimum of 8 10/100/1000 FastEthernet ports
- 3.3.3.2.1.2.3. Backplane must have a switching capacity of at least 3Tb/s
- 3.3.3.2.1.2.4. bid should include all modules, plug or other needed to bring system operational
- 3.3.3.2.1.2.5. Up to two additional routers might be required depending on the backbone connectivity and ISP solutions. If required, it is preferable for all routers to be identical make and models
- 3.3.3.2.1.2.6. Must be able to support 4 – 10Gb miniGBIC SFP modules with LC connections
- 3.3.3.2.1.2.7. All equipment must be mountable on standard 19 inch racks
- 3.3.3.2.2. **Servers/VoIP PBX/PVBX**
 - 3.3.3.2.2.1. **Exchange Email Server**
 - 3.3.3.2.2.1.1. Applicant requires a Windows 2008 server for Email Services running newest Microsoft Exchange Enterprise. Operating system should be Windows Server 2008 Enterprise Edition. Although storage of user files is not an eligible function and hence not a requirement of this server, hard drives should be selected and configured in a manner to eliminate or minimize down time. An E-Rate acceptable Backup is solution is desired. Other specifications include:
 - 3.3.3.2.2.1.2. Operating system
 - 3.3.3.2.2.1.2.1. Should include Software assurance.
 - 3.3.3.2.2.1.2.2. Operating system and Client Licenses should be purchased as site licenses and under K12 pricing.
 - 3.3.3.2.2.1.2.3. Must include media.
 - 3.3.3.2.2.1.3. 19 inch Rack mountable
 - 3.3.3.2.2.1.4. no more than 4U
 - 3.3.3.2.2.1.5. Mirrored Hard drives 500GB SATA minimum for OS and three 500GB drives in RAID 5 configuration to maintain Email.
 - 3.3.3.2.2.1.6. 12GB RAM expandable to 32GB
 - 3.3.3.2.2.1.7. 2.6GHz Core 2 Quad Xeon Processor or equivalent or better
 - 3.3.3.2.2.1.8. ExchangeCALs for 350 users (admin, and teachers accounts)
 - 3.3.3.2.2.1.9. An E-Rate eligible backup system to include all hardware and software components
 - 3.3.3.2.2.2. **DNS/DHCP Server**

3.3.3.2.2.2.1. Applicant requires a Windows 2008 server for DHCP and DNS. Operating system should be Windows Server 2008 Enterprise Edition. Although storage of user files is not an eligible function and hence not a requirement of this server, hard drives should be selected and configured in a manner to eliminate or minimize down time. An E-Rate acceptable Backup is solution is desired. Other specifications include:

3.3.3.2.2.2.2. Operating system

3.3.3.2.2.2.2.1. Should include Software assurance.

3.3.3.2.2.2.2.2. Operating system and Client Licenses should be purchased as site licenses and under K12 pricing.

3.3.3.2.2.2.2.3. Must include media.

3.3.3.2.2.2.3. 19 inch Rack mountable

3.3.3.2.2.2.4. no more than 2U

3.3.3.2.2.2.5. Mirrored Hard drives 500GB SATA minimum for OS

3.3.3.2.2.2.6. 8GB RAM expandable to 32GB

3.3.3.2.2.2.7. 2.6GHz Core 2 Quad Xeon Processor or equivalent or better

3.3.3.2.2.2.8. DHCP

3.3.3.2.2.2.9. Domain DNS

3.3.3.2.2.2.10. CALs for 250 users (admin, teachers and student accounts)

3.3.3.2.2.2.11. An E-Rate eligible backup system to include all hardware and software components

3.3.3.2.2.3. **PVBX System**

3.3.3.2.2.3.1. 19 inch Rack mountable

3.3.3.2.2.3.2. Capacity to stream Video to 10 classrooms simultaneously over an Ethernet network

3.3.3.2.2.3.3. To include all eligible needed hardware and software components

3.3.3.2.2.4. **Uninterruptible Power Supply (UPS)**

3.3.3.2.2.4.1. MDF

3.3.3.2.2.4.1.1. Quantity 2

3.3.3.2.2.4.1.2. 3000VA UPS

3.3.3.2.2.4.1.3. w/software to initiate an auto shut down

3.3.3.2.2.4.1.4. External additional Battery power to sustain equipment for 30 minutes.

3.3.3.2.2.4.2. IDF

3.3.3.2.2.4.2.1. Quantity 2

3.3.3.2.2.4.2.2. 1500VA UPS

- 3.3.3.2.2.4.2.3. w/software to initiate an auto shut down
- 3.3.3.2.2.4.2.4. External additional Battery power to sustain equipment for 30 minutes.

3.3.3.2.2.5. **PBX**

- 3.3.3.2.2.5.1. PBX with Centrex-like features or similar equipment (unless a hosted solution is selected in Priority 1 filing). Must accommodate:
 - 3.3.3.2.2.5.2. 27 lines:
 - 3.3.3.2.2.5.3. 20 voice lines
 - 3.3.3.2.2.5.4. Alarm Lines are NOT to be part of voice system
 - 3.3.3.2.2.5.5. 100 voicemail boxes
 - 3.3.3.2.2.5.6. Intercom calling
 - 3.3.3.2.2.5.7. Individual extension will be punched to a ANSI/TIA/EIA-568-B CAT6 RJ45 Patch panel
 - 3.3.3.2.2.5.8. Only E-Rate eligible components and solutions should be proposed
 - 3.3.3.2.2.5.9. VoIP may be selected over traditional PBX if cost-effective
 - 3.3.3.2.2.5.10. An Interconnected (hosted) VoIP solution will also be considered.

3.3.3.2.2.6. **Wireless Access Point Controller**

- 3.3.3.2.2.6.1. Ability to handle up to 100 802.11n wireless access points
- 3.3.3.2.2.6.2. Designed to work with VoIP on separate VLAN
- 3.3.3.2.2.6.3. Able to establish and maintain a Wireless Mesh Network

3.3.3.2.2.7. **Wireless Access Points 802.11n**

- 3.3.3.2.2.7.1. Ability to work with Access point Controller
- 3.3.3.2.2.7.2. Designed to work with VoIP on separate VLAN
- 3.3.3.2.2.7.3. Able to establish and maintain a Wireless Mesh Network
- 3.3.3.2.2.7.4. PoE capable
- 3.3.3.2.2.7.5. Sufficient quantity to establish a seamless mesh network throughout school area
- 3.3.3.2.2.7.6. Able to reliably maintain network access for up to 40 simultaneous connections at any location.

3.4. Basic Maintenance of Internal Connections

- 3.4.1. Applicant requests bids for Basic Maintenance services necessary to support the operation of the eligible Internal Connections network in quantities and capacities sufficient to ensure reliable connections from the Internet to each classroom. All E-Rate eligible servers, switches, routers, and hardware are to be maintained through E-Rate eligible maintenance agreements with options for voluntary extensions for additional years, at Applicant's discretion. In particular, Applicant seeks bids for:

- 3.4.1.1. Annual contract for regularly scheduled preventive maintenance plus Next business day repair or replacement is sought for all eligible equipment, to the extent that this is not already included in other bids.
 - 3.4.1.2. The dates covered by the contract should be July1 to June 30 and should cover both parts and labor.
 - 3.4.1.3. Bidder must submit a list of what services will be performed as the preventive maintenance and to what schedule they will be performed
 - 3.4.1.4. Bids must be broken into two parts.
 - 3.4.1.4.1. Scheduled maintenance
 - 3.4.1.4.2. Repair Services.
 - 3.4.1.4.2.1. Hourly rate for repair services
 - 3.4.1.4.2.2. Estimated number of hours per month of repair services.
- 3.4.2. **Yuma Campus equipment**

| <u>Make</u> | <u>Model</u> | <u>Part Number</u> | <u>Serial Number</u> | <u>Hardware Type</u> |
|-------------|----------------|------------------------|----------------------|----------------------|
| Cisco | Aironet 1232 | AIR-1232AG-A-K9 | FTX1045R1DF | Access Point |
| Cisco | Aironet 1232 | AIR-1232AG-A-K9 | FTX1046E08M | Access Point |
| Cisco | Aironet 1232 | AIR-1232AG-A-K9 | FTX1046E097 | Access Point |
| Cisco | Aironet 1232 | AIR-1232AG-A-K9 | FTX1046R07Q | Access Point |
| Cisco | Aironet 1232 | AIR-1232AG-A-K9 | FTX1239E0FY | Access Point |
| Cisco | Aironet 1232 | AIR-1232AG-A-K9 | FTX1239R0KH | Access Point |
| Cisco | Aironet 1232 | AIR-1232AG-A-K9 | FTX1239R0KK | Access Point |
| Cisco | Aironet 1232 | AIR-1232AG-A-K9 | FTX1246R0E3 | Access Point |
| Cisco | Aironet 1232 | AIR-1232AG-A-K9 | FTX1246R0E9 | Access Point |
| Cisco | Aironet 1232 | AIR-1232AG-A-K9 | FTX1249E0BQ | Access Point |
| Cisco | PIX 515e | CSI-PIX-515E-UR-FE-BUN | 88808340560 | Firewall |
| Cisco | ASA 5510 | ASA5510-SEC-BUN-K9 | JMX1302L08U | Firewall |
| Cisco | 2801 Router | CISCO2801-V04 | FTX1233Z0WF | Router |
| Cisco | 2811 Router | CISCO2811-V/K9 | FTX1237A00V | Router |
| Cisco | 2600 Router | | JMX0833L2KE | Router |
| HP | ProLiant DL380 | | EAPXLJC138 | Server |
| HP | ProLiant DL380 | | EAPZLJC138 | Server |
| Cisco | Catalyst 3550 | WS-C3550-24PWR-SMI | CAT0808R2HE | Switch |
| Cisco | Catalyst 3550 | WS-C3550-24PWR-SMI | CAT0816R1Y1 | Switch |
| Cisco | Catalyst 3550 | WS-C3550-24PWR-SMI | CAT0824Z2R1 | Switch |
| Cisco | Catalyst 3750 | WS-C3750-24PS-S V05 | CAT1046ZH0N | Switch |
| Cisco | Catalyst 3750 | WS-C3750-24PS-S V05 | CAT1046ZH14 | Switch |
| Cisco | Catalyst 3750 | WS-C3750-24PS-S V05 | CAT1046ZH16 | Switch |
| Cisco | Catalyst 3750 | WS-C3750-24PS-S V06 | FDO1235X4G7 | Switch |
| Cisco | Catalyst 3750 | WS-C3750-24PS-S V06 | FDO1235X4GC | Switch |
| Cisco | Catalyst 3750 | WS-C3750-24PS-S V06 | FDO1235X4GS | Switch |
| Cisco | Catalyst 2950 | WS-C2950T-48-SI | FHK0832Y1K7 | Switch |
| Cisco | Catalyst 2950 | WS-C2950T-48-SI | FHK0832Z1JP | Switch |

| | | | | |
|-------|--------------------------|----------------------|--------------|----------|
| Cisco | Catalyst 2950 | WS-C2950T-48-SI | FOC1033Z7HW | Switch |
| Cisco | Catalyst 2950 | WS-C2950-48-SI | FOC1033Z7JK | Switch |
| Cisco | Catalyst 3750G | WS-C3750G-24PS-S V05 | FOC1244Z22X | Switch |
| APC | Smart UPS 1500 | SUA1500RM2U | AS0428212082 | UPS |
| APC | Smart UPS 1500 | SUA1500RM2U | AS0428212180 | UPS |
| APC | Smart UPS 1400XL | SU1400RMXL3U | QS0647210987 | UPS |
| APC | Smart UPS 2200 | SUA2200RM2U | YS0415121960 | UPS |
| APC | Smart UPS 2200 | SUA2200RM2U | YS0415121963 | UPS |
| Cisco | Cisco MCS 7800 Series | MCS78151-30 | KPDX500 | VoIP/PBX |
| Cisco | Cisco MCS 7800 Series | MCS78151-30 | KPDX498 | VoIP/PBX |

3.4.3. San Luis Campus

- 3.4.3.1. All eligible equipment installed during the build out
- 3.4.3.2. Can be ASSUMED that the equipment will be of the same mix as on Yuma Campus

4. Vendor Qualifications

Due to the complexity, potential liability, and to protect the Applicant's and the SLD's shared investment in infrastructure and services, Applicant requires the following industry certifications and other evidence of qualifications in order for submitted bids to be considered responsive.

- Vendor must have a valid SLD Service Provider Identification Number [SPIN] and never have been suspended or debarred from the E-Rate program.
- Vendor must have a valid FCC Registration Number.
- Vendors of telecommunications services must be eligible telecommunications providers ("common carriers") as defined by the SLD.
- Vendor must have up-to-date Service Provider Annual Certification [SPAC] filings as required by the SLD.
- Vendor must be a manufacturer authorized provider of the proposed equipment. (For example, if Cisco equipment is being recommended, provider might show evidence of being a Cisco network partner.)
- Vendor must provide evidence of successful performance in the installation of the recommended brands of switches, routers, Internet servers, and similar equipment, within the K-12 marketplace during the last 3 years.
- Vendor must have on staff a MCSE + Internet Engineer for any Windows Server projects.
- Vendor must have Apple-certified staff for any Mac Server installation projects.
- Vendor must have staff certified for RCDD / Low Voltage for any cabling projects.
- Vendor must be a Certified Drug Free Workplace.
- Vendor must have all engineers and installers bonded and liability insured.
- Vendor must furnish documentation of all certifications listed herein.
- Vendor must provide a reference list of ten (10) existing K-12 E-Rate customers and the nature of the products and services delivered.
- Vendor must provide documentation of prior experience successfully implementing comparably sized, SLD-funded E-Rate projects.
- Suitably qualified engineers must be available to field supervise all installation work. (For example, Vendors of Cisco equipment must provide a Cisco CCNP/ CCIE. Cabling Vendors must provide an RCDD to field supervise the installation work on this project.)

Documentation of the above qualifications must be a part of RFP response.

4.1 Variations and Waivers of Qualifications

Any variations from any of the above qualifications or other specifications of this RFP should be clearly noted and explained in the bid proposal. Nontrivial variations from the qualifications listed above will be considered sufficient cause for bid disqualification. Applicant shall have the right but not the obligation to consider requests for minor waivers from these requirements, if Applicant in its sole discretion determines this to be in its own best interest, such as in a situation where no other fully compliant bids have been received by the submission deadline or where an otherwise qualified Vendor has applied for but is still awaiting assignment of a SPIN number by the SLD.

Attachment A
List of Entities Participating in this RFP

| Entity Name | Address | <i>BEN</i> |
|---|---|------------|
| HARVEST PREPARATORY ACADEMY | 350 East 18th Street, Yuma, Arizona, 85364 | 223975 |
| HARVEST PREPARATORY ACADEMY (San Luis) | 1930 Juan Sanchez Blvd, San Luis, Arizona, 85349 | 16051392 |
| HARVEST PREPARATORY ACADEMY (Somerton) | 674 East Main, Somerton, Arizona, 85350 | 16057048 |
| HARVEST PREPARATORY ACADEMY Consortium | 350 East 18th Street Yuma, Arizona, 85364 | 16051394 |