



Office of Director of Finance

McMinn County
6 East Madison Avenue
Athens, Tennessee 37303

Phone (423)745-4103
(423)745-4105
Fax (423) 745-0095

January 11, 2016

LEGAL NOTICE Request for Proposal

Pursuant to T.C.A. § 5-21-118, proposals will be accepted in the Office of the Director of Finance; McMinn County Courthouse; 6 East Madison Avenue; Athens, TN 37303 until February 16, 2016, 9:00 A.M., at which time the proposals will be publicly opened and announced for the following to be used by the McMinn County Board of Education:

- On each of the following:
- a. Equipment to upgrade wireless network infrastructure
 - b. Managed Wireless Services (aka MIBS or Managed Wi-Fi)
 - c. Basic Maintenance for all eligible equipment (optional)

RFP is posted at the following web address: <http://www.mcminn.k12.tn.us/rfp/icmibs>

Submitted Bid requires construction and Exceeds \$25,000.00

1. The successful bidder will be required to provide a Bid Security in the amount of 5% of the Lump Sum Bid Price, a Performance Bond for 100% and Payment Bond for 100% of the bid price. Bond may be in the form of cash, cashier's check, certified check, construction surety bond, or irrevocable letter of credit.
2. Bidders must be licensed contractors in compliance with the provisions of Tennessee Code Annotated § 62-6-et. seq. The license holder shall be identified by the name in which such license has been issued. The name of the Licensee, the License Number, License Expiration date, License Limitation, Classification, Name of the Project, Date of the Bid Opening, and the Opening Time must be placed on the outside of the envelope containing the Contractor's bid. Bid envelopes that do not contain such required information will not be opened nor considered. If applicable, the Contractor must also list each of its major subcontractors (i.e., Plumbing, Mechanical and Electrical) Names and License Numbers, License Limitation and Classification on the bid envelope. Otherwise, such bid will not be considered. All bids must be submitted in one sealed envelope.

Bidders will be required to submit a Drug Free Workplace Affidavit as required under the provisions of T.C.A § 50-9-113. The affidavit states that employers with five (5) or more employees who contract with either the State or a local government to provide construction services are required to submit an affidavit stating that they have a drug free workplace program that complies with Title 50, Chapter 9.

It is the policy of the Government of McMinn County Tennessee not to discriminate on the basis of race, color, national origin, sex or disability in its hiring and employment practices, or in admission to, access to, or operation of its programs, services, and activities. All bidders will be required to sign a Title VI Contract Assurance Form stating that their company complies with this policy.

Bidders will be required to submit a Certificate of Compliance with Tennessee Public Chapter 587. TPC587 requires persons, employees of the person or corporation that have direct contact with school children or access to school grounds when children are present to have supplied to the corporation a fingerprint sample and have conducted a criminal history records check by the Tennessee Bureau of Investigation and the Federal Bureau of Investigation prior to permitting the person to have contact with such children or enter school grounds.


All bidders must comply with any insurance or other requirements listed in the detail bid specifications.

No bidder will be permitted to withdraw his bid for a period of ninety (90) days following the date of the opening.

NOTE: Any Questions about any of the RFP need to be submitted in writing to Jill Pierce at jill@mcmminnschools.com

The McMinn County Board of Education reserves the right to reject any and all proposals and/or to accept the proposal, or any portion thereof, that in its judgment will be for the best interest of the McMinn County Board of Education.

Detailed proposal specifications and proposal forms may be picked up in the Office of the Director of Finance.


Jason Luallen
Director of Finance

MCMINN COUNTY, TENNESSEE
Office of the Director of Finance
Athens, Tennessee 37303

General Bid Specifications

Please quote us on the following service, equipment, materials, or supplies. All prices will be F.O.B. Athens, TN, unless otherwise specified. We are exempt from all taxes.

Proposals may be presented by mail or in person and will be publicly opened and announced in the Office of the Director of Finance at 10:00 AM on February 16, 2016. In case of a tie, the successful vendor will be determined by lot and the vendor need not be present.

NOTE: A MANDATORY pre-bid conference will be held at the McMinn County Board of Education located at 3 South Hill Street on January 18, 2016 at 9:00 AM local time. Vendors must be present at the mandatory pre-bid meeting for their proposal to be considered.

PLEASE STATE ON THE OUTSIDE OF ENVELOPE - WHICH SERVICE YOU ARE APPLYING THE DATE OF THE RFP OPENING. THE NAME AND ADDRESS OF FIRM SUBMITTING RFP SHOULD ALSO BE LISTED ON OUTSIDE OF ENVELOPE.

The material and/or services delivered under this proposal shall remain the property of the seller until a physical inspection and actual usage of this material and/or services is accepted to the satisfaction of the County and is to be in compliance with the terms, herein, fully in accord with the specifications and be of the highest quality. In the event the materials and/or services supplied to the County is found to be defective or does not conform to specifications, the County reserves the right to cancel the order upon written notice to the seller and return such product to the seller at the seller's expense.

Whenever in these specifications a brand name or make is mentioned, it is the intention of the County only to establish a grade or quality of materials, and not to rule out other brands or makes of equality. However, if a product other than that specified is proposed, it is the vendor's responsibility to name such product with his proposal and to prove to the County that said product is equal to that specified. When no reference is made by the vendor to the make or grade proposed to be furnished it is understood that the specific article named in the proposal will be furnished.

No RFP may be withdrawn for a period of 90 days after the scheduled time for receiving the proposals.

RFPs must be submitted on the forms provided by McMinn County or the proposal will be deemed unacceptable. BE SURE TO FOLLOW INSTRUCTIONS ON COMPLETING THE SEALED ENVELOPE. SEE FORM ATTACHED.

As required under the provisions of T.C.A § 50-9-114 this serves as notification that McMinn County operates a Drug Free Workplace Program as outlined in the McMinn County Financial Management Committee Policies and Procedures Section 6, Pages 24-30.

Vendors will also be required to submit a Drug Free Workplace Affidavit as required under the provisions of T.C.A § 50-9-113. The affidavit states that employers with five (5) or more employees who contract with either the State or a local government to provide construction services are required to submit an affidavit stating that they have a drug free workplace program that complies with Title 50, Chapter 9. **SEE FORM ATTACHED**

It is the policy of the Government of McMinn County Tennessee not to discriminate on the basis of race, color, national origin, sex or disability in its hiring and employment practices, or in admission to, access to, or operation of its programs, services, and activities. All contractors, and subcontractors will be required to sign a Title VI Contract Assurance Form stating that their company complies with this policy. **SEE FORM ATTACHED.**

Vendors will be required to submit a Certificate of Compliance with Tennessee Public Chapter 587. TPC587 requires persons, employees of the person or corporation that have direct contact with school children or access to school grounds when children are present to have supplied to the corporation a fingerprint sample and have conducted a criminal history records check by the Tennessee Bureau of Investigation and the Federal Bureau of Investigation prior to permitting the person to have contact with such children or enter school grounds. **SEE FORM ATTACHED.**

The County reserves the right to waive informalities in any proposal; to reject any or all proposals with or without cause, and to accept the proposal, or any portion thereof, that in its judgment will be in the best interest of McMinn County.

MCMINN COUNTY TENNESSEE
TCA 62-6-119
BID COMPLIANCE FORM

NOTE: This form MUST be attached to the sealed envelope containing the bid. Failure to provide all of this information on the sealed envelope shall void such bid.

DELIVER TO: McMinn County Director of Finance
6 East Madison Avenue
Athens, TN 37303

BID _____

DATE OF BID _____ TIME _____

PRIME CONTRACTOR'S IDENTIFICATION

Name _____

Address _____

TN License Number _____

Expiration Date _____

Classifications _____

IS ENCLOSED BID LESS THAN \$25,000?

Yes _____ No _____

ITEM I OR II MUST BE COMPLETED IF THE BID EXCEEDS \$25,000

I. CONTRACTOR DOES NOT PLAN TO USE SUBCONTRACTORS FOR ANY PART OF THIS PROJECT.

Signature - Contractors Representative

II. REQUIRED SUBCONTRACTOR'S IDENTIFICATION

ELECTRICAL SUB-CONTRACTOR

Name _____

Address _____

TN License Number _____ Date _____

Expiration Date _____ Monetary Limit \$ _____

Classification _____

PLUMBING SUB-CONTRACTOR

Name _____

Address _____

TN License Number _____ Date _____

Expiration Date _____ Monetary Limit \$ _____

Classification _____

HVAC SUB-CONTRACTOR

Name _____

Address _____

TN License Number _____ Date _____

Expiration Date _____ Monetary Limit \$ _____

Classification _____

DRUG FREE WORKPLACE AFFIDAVIT

STATE OF _____

COUNTY OF _____

The undersigned, principal officer of _____, an Employer of five (5) or more employees contracting with _____ County Government to provide construction services, hereby states under oath as follows:

1. The undersigned is a principal officer of _____ (hereinafter referred to as the "Company"), and is duly authorized to execute this Affidavit on behalf of the Company.
2. The Company submits this Affidavit pursuant to T.C.A. § 50-9-113, which requires each employer with no less than five (5) employees receiving pay who contracts with the state of any local government to provide construction services to submit an affidavit stating that such employer has a drug-free workplace program that complies with Title 50, Chapter 9 of the *Tennessee Code Annotated*.
3. The company is in compliance with T.C.A § 50-9-113.

Further affiant saith not.

Principal Officer

STATE OF _____

COUNTY OF _____

Before me personally appeared _____, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence) and who acknowledged that such person executed the foregoing affidavit for the purposes therein contained.

Witness my hand and seal at office this _____ day of _____, 20_____

Notary Public

My commission expires: _____

.MCMINN COUNTY GOVERNMENT

Title VI Contract Assurance

It is the policy of the Government of McMinn County, Tennessee not to discriminate on the basis of race, color, national origin, sex or disability in it's hiring and employment practices, or in admission to, access to, or operation of it's programs, services, and activities. With regard to all aspects of this contract, vendor/contractor certifies and warrants it will comply with this policy.

Authorized signature of contractor/subcontractor

Date

CERTIFICATION OF COMPLIANCE
WITH
TENNESSEE PUBLIC CHAPTER 587

The General Assembly of the State of Tennessee requires any person, corporation or other entity who enters into or renews a contract with a local board of education comply with Tennessee Public Chapter 587 (TPC587).

TPC587 requires persons, employees of the person or corporation that have direct contact with school children or access to school grounds when children are present to have supplied to the corporation a fingerprint sample and have conducted a criminal history check by the Tennessee Bureau of Investigation and the Federal Bureau of Investigation prior to permitting the person to have contact with such children or enter school grounds.

TPC587 provides guidance for employees who have been convicted of an offense that is classified as a sexual offense or a violent sexual offense.

I have read the attached Tennessee Public Chapter 587 and certify compliance with the regulations.

Name and address of organization

Name/title of submitting official (please print)

Signature

Date

REQUEST FOR PROPOSALS

Equipment to upgrade wireless network infrastructure
Managed Wireless Services (aka MIBS or Managed Wi-Fi)
Basic Maintenance for all eligible equipment (optional)

I. GENERAL REQUIREMENTS

A. SUMMARY OF WORK

The McMinn County School District requests a proposal from vendors to supply, configure, install, and warranty a Equipment to upgrade wireless network infrastructure and Managed Wireless Services (aka MIBS or Managed Wi-Fi) and optional Basic Maintenance for all eligible equipment for all sites within the school district.

NOTE: A MANDATORY pre-bid conference will be held at the McMinn County Board of Education located at 3 South Hill Street on January 18, 2016 at 9:00 AM local time. Vendors must be present at the mandatory pre-bid meeting for their proposal to be considered.

B. CONTROL OF WORK AND MATERIALS

All work shall be performed under the supervision of Jill Pierce, Chief Technology Officer. Her decisions in all matters concerning quality, or materials and workmanship shall be final. **ANY QUESTIONS RELATED TO THIS BID SHOULD BE DIRECTED TO JILL PIERCE AT jill@mcmminnschools.com or by phone at (423)368-4755.**

The vendor must demonstrate to the satisfaction of the owner that his firm is capable of completing the work specified, has equipment necessary for completion of the work, and has satisfactorily completed similar projects. All subcontractors will be subject to approval of the Board of Education.

Each vendor will be held to have satisfied himself as to the existing conditions under which he will be obligated to operate in performing his part of the work under this contract. Vendors must thoroughly inform themselves of the requirements of the specifications, special conditions, and any other documents and be prepared to comply with all.

No allowances will be made subsequently in this connection in behalf of the vendor for any error or negligence on his part.

The successful vendor shall be responsible for any loss or damage of or to any materials or work either delivered or completed at the site until such time as the project is fully completed. The successful vendor shall be responsible for any and all damages to the equipment or facilities during the accomplishment of the work specified.

The successful vendor will repair or replace any defects or faults that may occur either in materials or construction during the progress of the work at no additional expense to the McMinn County Board of Education or McMinn County.

REQUEST FOR PROPOSALS

Equipment to upgrade wireless network infrastructure
Managed Wireless Services (aka MIBS or Managed Wi-Fi)
Basic Maintenance for all eligible equipment (optional)

B. CONTROL OF WORK AND MATERIALS CONTINUED

The successful vendor shall agree to indemnify and save harmless the McMinn County Board of Education and McMinn County against all claims, demands, suits, damages or sums of money to any party accruing the Board of Education and McMinn County for loss of life or personal injury or property loss or damage which may be caused by reason of any defect, faults, actions of the Successful Vendor or his employees during the progress of the work.

Specifications are not intended to be comprehensive or exact. The Successful Vendor shall be responsible for completion of the intent of the specifications including any minor variation, which may be encountered in the field.

The Successful Vendor shall remove all rubbish, debris and other visible objectionable material from the site prior to completion of the project. These materials may be disposed of at the appropriate landfill or any other legal location that the Successful Vendor can procure.

The work of this project shall not be conducted in such manner as to create any nuisances, which violates any of the ordinances of Local Municipalities, McMinn County and the State of Tennessee.

In the case of default by the successful vendor, they shall be liable for any and all increase in cost, which may occur from the Owner procuring satisfactory completion of the project from any other available sources.

COMPLIANCE WITH STATE LAW TPC587

The General Assembly of the State of Tennessee requires any person, corporation or other entity who enters into or renews a contract with a local board of education comply with Tennessee Public Chapter 587 (TPC587). A copy of TPC587 and a compliance is included in this bid package.

TPC587 requires persons, employees of the person or corporation that have direct contact with school children or access to school grounds when children are present to have supplied to the corporation a fingerprint sample and have conducted a criminal history check by the Tennessee Bureau of Investigation and the Federal Bureau of Investigation prior to permitting the person to have contact with such children or enter school grounds.

TPC587 provides guidance for employees who have been convicted of an offense that is classified as a sexual offense or a violent sexual offense.

REQUEST FOR PROPOSALS

Equipment to upgrade wireless network infrastructure
Managed Wireless Services (aka MIBS or Managed Wi-Fi)
Basic Maintenance for all eligible equipment (optional)

C. INSURANCE

Certificates of Insurance covering the following types shall be furnished by the successful vendor to the McMinn County Director of Finance Office, 6 East Madison Avenue, Athens, TN 37303 prior to start of work. and shall be subject to the Owner's approval for adequacy of protection. The amount of coverage shall be as shown or as required by law, whichever is greater.

1. The Successful Bidder shall not commence work under this contract until he has obtained all the insurance required herein under and such insurance has been approved by the Owner, nor shall the Successful Bidder allow subcontractor(s) to commence work on his subcontract until all similar insurance required of the subcontractor has been obtained and approved. Approval of the insurance by the Owner shall not relieve or decrease the liability of the Successful Vendor hereunder.
2. Compensation and Employer's Liability Insurance. The Successful Vendor shall take out and maintain during the life of this contract the statutory Workmen's Compensation and Employer's Liability Insurance in an amount not less than one million dollars (\$1,000,000.00) for all of his employees to be engaged in work on the project under this contract and, in case any work is sublet, the Successful Vendor shall require the subcontractor similarly to provide Workmen's Compensation and Employer's Liability Insurance in the same amount for all of the latter's employees to be engaged in such work.
3. Bodily Injury Liability and Property Damage Liability Insurance. The Successful Vendor shall take out and maintain during the life of this contract such Bodily Injury Liability Insurance and Property Damage Liability Insurance and Automobile Bodily Injury Liability Insurance and Property Damage Liability Insurance as shall protect him and any subcontractor performing work covered by this contract from claims for damages for personal injury, including accidental death, as well as from claims for property damage, which may arise from operations under this contract, whether such operations by himself or by any subcontractor or by anyone directly or indirectly employed by either of them, and the amounts of such insurance shall not be less than:
 - a. Bodily Injury Liability Insurance, in an amount not less than one million dollars (\$1,000,000.00) for injuries, including wrongful death to any one person.
3. Bodily Injury Liability and Property Damage Liability Insurance Continued
 - b. Property Damage Injury Insurance, in an amount not less than one million dollars (\$1,000,000.00) for damages on account of any one accident.

NOTE: These certificates shall contain a provision that coverages afforded under the policies will not be canceled until at least fifteen days prior written notice has been given to the Owner and Successful Vendor.

McMinn County School District

Product Request

1. Purpose

1.1 The McMinn County School District (MCSD) is seeking responses from interested E-Rate vendors for the following products and services:

Category 2

- Equipment to upgrade wireless network infrastructure
- Managed Wireless Services (aka MIBS or Managed Wi-Fi)
- Basic Maintenance for all eligible equipment (optional)

1.2 This Request for Proposal (RFP) is issued to invite Vendors to submit proposal(s). Issuance of this RFP in no way constitutes a commitment by MCSD to select a Vendor and/or award a contract.

2. Overview

2.1 This section is provided as a general overview of the Project and does not modify the more specific sections that will follow and are contained within this Request for Proposal

2.2 MCSD is comprised of ten (10) schools and two (2) Non-Instructional Facilities and provides services to approximately 5640 students. The main district office is located at 3 South Hill Street in Athens, TN. The district's technology goals specify that all of schools will provide campus-wide wireless and wired local area network and high speed Internet access to all students, faculty and stakeholders.

2.3 MCSD is advertising for a solution whereby the wireless components are maintained by the vendor. This solution is eligible for E-rate funding in 2016-2017. This solution is eligible for E-rate funding in 2016-2017.

2.4 MCSD is also seeking equipment to upgrade its wireless infrastructure.

2.5 It is the preference of MCSD that all equipment be provided and installed by a single service provider.

2.6 We would like all vendors to provide a complete description of the services, diagrams and clear explanation of the solution being proposed. At the MANDATORY pre-bid conference, MCSD will provide floor maps, and other documentation that may be needed to prepare a cost-effective proposal.

2.7 Functional Equivalents - Proposals are requested on products that are the functionally equivalent or better than the brands listed below. **References to brand names, trade names, model**

numbers, or other descriptions are made to establish a required level of quality and functional capabilities and are not intended to exclude other manufacturers.

Comparable products of other manufacturers will be considered if proof of comparability and compatibility is contained in the proposal. Vendors, if proposing other than specified, are to clearly identify the manufacturer and the model number and must provide written, complete justification as to how the product complies with all specifications outlined within this RFP and how the product integrates with existing devices as well as the complete list of manufacturer published specifications related to the requested products. It shall be the responsibility of the bidders to furnish descriptive literature with their proposal such that specifications, catalog pages, brochures or other data will provide an adequate basis for verifying the quality and functional capabilities of the product offered. Failure to provide this data will be considered valid justification for rejection of the proposal.

3. Scope and Specifications for purchase and installation of wireless network infrastructure upgrade

- 3.1 The E-Rate program has provided the school with a 5-year budget of \$150 per student. Although the school desires saturated wireless throughout the campus, cost may exceed this budget. It is for that reason MCSD would like vendors to provide separate pricing for classrooms. Common instructional areas from non-instructional areas such as gyms, cafeterias and outdoor spaces need to be priced separately.
- 3.2 Upgrading the local and wireless network is a priority. MCSD is seeking bids from vendors on cost-effective proposals to upgrade and expand the current infrastructure.
- 3.3 Vendors will use the 2016-2017 ESL to determine the E-rate eligibility any equipment that is necessary to provide a solid network. The school realizes the upgrade may include components that are ineligible for E-Rate funding. Vendors must identify those ineligible components and provide separate pricing.
- 3.4 Winning vendor will be required to submit bid information via the 2016 Item 21 Excel template within two weeks of contract award date. The template can be downloaded from the USAC website.
- 3.5 Equipment must be quoted by school.
- 3.6 Warranty – E-rate rules allow a manufacturer’s multi-year warranty for a period up to three years that is provided as an integral part of an eligible component, without a separate identifiable cost, may be included in the cost of the component. Vendors are requested to provide details on warranties.
- 3.7 McMinn County Schools would like to replace all access points and switches except the Extreme B5 switches. All new switches shall be compatible with the existing switches.

Top of Rack Switches: Switches shall be the following or equivalent

X460-G2-48p-10GE4-Base

Summit X460-G2, 48 10/100/1000BASE-T PoE+, 4 1000/10GBaseX, ExtremeXOS Edge license, 1100W AC PSU FB, Fan Module FB, VIM-2ss, power cord. Hot-Swappable Power Supplies and Fan Tray. Capable of stacking up to 40 Gbps. Limited Lifetime Hardware Warranty

Link to other needed specifications

<http://learn.extremenetworks.com/rs/extreme/images/Summit-X460-G2-DS.pdf>

Stackable Switches: Switches shall be the following or equivalent

X440-48p

Summit X440-48p, 48 10/100/1000BASE-T PoE-plus, 4 1000BASE-X unpopulated SFP (4 SFP ports shared with 10/100/1000BASE-T ports), SummitStack Stacking ports, 1 AC PSU, ExtremeXOS Edge license, connector for external power supply, power cord. Stackable switch w/ Layer 2 and Layer 3 switching.

X440-24p

Summit X440-24p, 24 10/100/1000BASE-T PoE-plus, 4 1000BASE-X unpopulated SFP (4 SFP ports shared with 10/100/1000BASE-T ports), SummitStack Stacking ports, 1 AC PSU, ExtremeXOS Edge license, connector for external power supply, power cord. Stackable switch w/ Layer 2 and Layer 3 switching.

Link to other needed specifications

<http://learn.extremenetworks.com/rs/extreme/images/Summit-X440x-DS.pdf>

See quantity and location of switches below:

B5-24P	15
B5-24	27
B5-48P	7
B5-48	17
800-24	7
800-24P	13
800-48	8
800-48P	6
800-8	1
800-8P	2
X440-24P	1
Tough	16
Total	120
Other	54
B5	66

Calhoun		
	B5-24P	2
	800-24P	3
	800-48P	3
Riceville		
	B5-48	4
	B5-48P	1
	B5-24	1
	B5-24P	3
	800-24P	1
Niota		
	B5-24P	3
	800-48P	2
	800-8	1
	800-8P	1
	800-48	2
	800-24P	2

McMinn High		
	B5-48	9
	B5-48P	6
	B5-24	5
	B5-24P	3
	800-24P	3
	800-8P	1
Rogers Creek		
	B5-48	3
	B5-24P	3
EK Baker		
	B5-24P	1
	B5-48	1
	800-48	2
	800-48P	1
	X440-24P	1
Central HS		
	B5-24	12
	800-24	5
	Tough	10
Mountain View		
	B5-24	3
	800-48	4
	800-24P	2
	Tough	2
Englewood		
	B5-24	6
	800-24P	2
	800-24	2
	Tough	4

Access Points: Replace all Access. Access Points shall be the following or equivalent. Wireless Network must support a 1:1 environment

WS-AP3935I

Dual band Dual Radio 802.11ac/abgn, 4x4:4 MIMO Indoor wave2 access point with eight internal antenna array and active/active E/N data ports. Qty 2 10/100/1000 Base T Ethernet autosensing link

Link to other needed specifications

<http://www.extremenetworks.com/product/ap3935>

Upiqiti	AP-Pro	AP-LR	AP-AC	AP-ACv2	Total AP
Total	334	31	12	67	444
Calhoun	30				
Central Office	19				
Central HS	22	30			
Rogers Creek	34				
Niota	45				
Riceville	48				
EK Baker	28				
McMinn HS	10		12	67	
Mt. View	51				
Englewood	47	1			

Wireless Controller: shall be the following or equivalent

WS-C5210

WLAN Controller, expandable to 1000 Access Points. Licensed for 500 APs, include 5 Years of Software and [Technical Assistance Center](#), and [Next Business Day Advance Hardware Replacement](#).

Link to other needed specifications

<http://learn.extremenetworks.com/rs/extreme/images/Wireless-Controllers-DS.pdf>

Stacking Cables: shall be the following or equivalent

Stacking Cable, 0.5M

Stacking Cable, 1.5M

10GB SFP Fiber Module- Must be the same manufacturer brand and quoted switch

The estimate of Antennas, Connectors and Related Components on the Form 470 covers stacking cables, transceivers, and **all other components required for a fully functional switch**. The final number requested may vary based on final design.

UPS: Approximately 25 to support existing and new switches

4. Scope and Specifications for managed wireless service

- 4.1 MCDS is seeking bids for MIBS on existing wireless network equipment and for all to-be-installed wireless network equipment. The list of equipment to be maintained will be provided at the MANDATORY pre-bid conference.

The E-Rate Modernization Order added Managed Internal Broadband Services as an eligible service under Category Two (limited to the applicant's budget allotment).

The following description is from the FY2016 Eligible Services List:

Eligible Managed Internal Broadband Services (e.g., managed Wi-Fi)

- Services provided by a third party for the operation, management, and monitoring of eligible broadband internal connections are eligible managed internal broadband services (e.g., managed Wi-Fi).
- E-rate support is limited to eligible expenses or portions of expenses that directly support and are necessary for the broadband connectivity within schools and libraries.
- Eligible expenses include the management and operation of the LAN/WLAN, including installation, activation and initial configuration of eligible components, and onsite training on the use of eligible equipment.
- In some eligible managed services models, the third party manager owns and installs the equipment and school and library applicants lease the equipment as part of the managed services contract. In other cases, the school or library may own the equipment, but have a third party manage it for them.

Eligibility limitations for managed internal broadband services –

The equipment eligible for support as part of a managed internal broadband service may include only equipment listed as a broadband internal connections component on the current year Eligible Services List. Upfront charges that are part of a managed service contract are eligible for E-rate support except to the extent that the upfront charges are for any ineligible internal connections components (e.g., servers other than those that are necessary to provide caching) which, if included in the contract, must be cost allocated out of any funding request.

Bids submitted for MIBS must provide all details necessary to fully explain the services offered. Detailed listing of all equipment to be managed (make, model, part number, serial number, and whether or not equipment is owned by provider or applicant) and full description of services offered.

4.2 Specification of Wireless Managed Service Infrastructure:

- a) Must provide or manage centrally managed and high availability controllers to support all access points
- b) Provide Advanced RF and radio resource management
- c) Support Multicast video delivery across WLAN
- d) Support Guest access
- e) Must support hardware-based feature provisioning
- f) Must include a management system with the 802.11 N and AC and AC wave 2 (once ratified) at 2.4GHz and 5GHz
- g) Powered via 802.3af PoE.
- h) Capable of connecting to wired network via RJ-45.

- i) Must be IPv6/IPv4 dual stack capable and able to manage IPv6/IPv4 clients
- j) Wireless management application shall allow roll-based access to user defined groups
- k) Proposals should include a realistic assessment of actual access points as well as cabling and other equipment necessary to support the wireless needs outlined above.
- l) Technical specifications of equipment should be provided with the proposal
- m) The proposal must guarantee performance sufficient to fulfill the needs of the school as requested within the RFP. After implementation of the successful vendor's proposal, if additional equipment, cabling or labor is needed, the vendor will bear all costs necessary to satisfy the requirements of this RFP.

4.3 Interior Access Points

- a) Support 802.11 N and AC and AC wave 2 (once ratified) at 2.4GHz and 5GHz
- b) Use enterprise-class radios for maximum RF performance and coverage
- c) Support rogue access point detection and denial of service attack protection
- d) Support management frame protection
- e) Support coverage for legacy 802.11 N/AC clients
- f) Support client load-balancing across frequencies in mixed client environments
- g) Support multicast video delivery across WLAN
- h) Support radio resource monitoring, dynamic channel assignment, interference detection
- i) Cable of at least 300 Mbps on 5 Ghz 802.11 AC connections, preferably dual radio.
- j) All wiring must be concealed either in wall, ceiling or conduit. No exposed cable runs will be allowed.
- k) Be IPv6/IPv4 dual stack capable and able to manage IPv6/IPv4 clients.
- l) Support 802.11N/AC (both 2.4 GHz and 5 GHz)
- m) Be capable of supporting autonomous and central control operation
- n) Offer features to optimize multicast, quality of service, and video delivery
- o) Be certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)

4.4 Exterior Access Points

- a) Use rugged exterior housing. Vendor must distinguish between interior and exterior access points on their proposal.
- b) Provide cabling for Access Points where needed
- c) Other Considerations: Vendor installed Switches, Patch Panels and Cabling
- d) Any cables run by the vendor will be terminated into a patch panel on one end and in a wall mounted full box jack on the other.
- e) If current cables are used, the vendor will be allowed to use the same cable and patch panels regardless of the rating category.
- f) Vendor will be responsible for labeling and testing all new connections and providing a document showing all drop locations, as well as, test results.
- g) All wiring must be concealed either in wall, ceiling or conduit. No exposed cable runs will be allowed.

- h) Vendor may use any available open port on any PoE switch currently in use in the school if the switch has the capacity to take full advantage of the 802.11 AC wireless devices. Not all switches used in the network are PoE switches.
- i) With the exception of only installing one AP in a specific IDF, if there are not enough open PoE ports available, vendor will be required to provide and install PoE switches compatible with existing switches.
- j) Determination should be made during the mandatory walkthrough. In the case that only one AP is needed in an IDF, a switch will not be required; a power injector may be used.
- k) Any power injector used by the vendor in their solution must meet the standards of the Access Point manufacturer for the Access Point being powered.
- l) Vendors must explain in detail the methodology for managing both the new and existing WiFi network equipment.

5.0 Basic Maintenance of Internal Connections

5.1 MCSD has listed Basic Maintenance of Internal Connections (BMIC) on the Form 470. However, this is only applicable with the Internal Connections solution proposed meeting the RFP requirements if required. The District is not soliciting separate bids for BMIC.

6.0 E-rate

6.1 This proposal request is for services to be subsidized under the Universal Services E-Rate Program for Schools and Libraries. No purchase order will be issued, no installation will occur and no services will be provided until approval of the form 471 application that is issued as a result of the proposals being submitted in response to this request. No administrative charges related to the USAC method for invoicing (SPI or BEAR) will be accepted. This project is subject to funding availability and may be contingent upon E-Rate funding commitment.

6.2 Bidder must agree to participate in the E-Rate Program for the corresponding funding year and do the following:

- 1) Have a valid SPIN and include this SPIN on your response.
- 2) Have a current Service Provider Annual Certification (SPAC) filed with the USAC by July 1 of the corresponding funding year,
- 3) Provide Lowest Corresponding Price, and
- 4) Comply with E-Rate gift rules
- 5) Have a Federal Communications Committee (FCC) registration number assigned by the FCC
- 6) Be in green light status.

- 6.3 Bidders responding to district issued RFP should clearly identify E-rate eligible and E-rate ineligible equipment and pricing.
- 6.4 Terms - Any contract may be contingent upon the approval of E-Rate funding and governing board approval.
- 6.5 The Universal Service discount mechanism for schools and libraries, commonly known as the E-Rate program, administered by the Universal Service Administrative Co. (USAC) for the Federal Communications Commission will fund a portion of this RFP. This proposal may be funded only if approved by USAC and if USAC appropriates the fund.
- 6.6 Term of this agreement for equipment upgrade shall be July 1, 2016 through September 30, **2018**.
- 6.7 Term of the agreement for MIBS shall be July 1, 2016 – June 30, 2019 (36 months). (36 months. (MCSD) reserves the right to extend the contract annually with (2) one-year extensions; not to exceed a total of five (5) years. In addition, the school reserves the right to fund, (proceed with project or purchase) or not to deploy any or all services, regardless of E-Rate approval.
- 6.8 Vendor **must** agree to invoice the school using the service provider invoicing method or (SPI).
- 6.9 Winning bidder will be required to submit bid information via the 2016 current FCC Form 471 Item 21 Excel template within two weeks of contract award date. The template can be downloaded from the USAC website.

7. Method of Award and Evaluation

- 7.1 Award shall be made to the vendor whose proposal is scored with the highest point total based on the Evaluation Criteria detailed below. The evaluation, scoring and award decision of the District shall be final.
- 7.2 The District reserves the right to reject any and all proposals, to contract products and services with whomever and in whatever manner the District decides, to abandon the products entirely, and to waive any informality on non-substantive irregularity as the interest of the District may require.
- 7.3 The District reserves the right to make an award of this proposal any time up to 90 days from the date of proposal opening.
- 7.4 Evaluation Criteria:
Award of the bid will be based on the following criteria:

Price-Erate Items	35
20 - 30 point for lowest bidders	

10 - 19 points for mid-range	
0 - 9 points for highest bidders	
Price-Other Costs	5
Non-erateable items	
Prior Experience	20
Similar projects and references	
Experience with this provider	
Strength of Vendor & References	10
Financial soundness	
Personnel	
Responsiveness	10
Responsive to email, other communications, etc.	
Proximity of offices	
Local representative available	
Technical Merit	20
Bid meets the technical needs requested	
Completed all bid requirements	
Compatibility with existing systems	
Total Points:	100

8. Bid Detail Required

8.1 Bids MUST include pricing detail by line item including:

Quantity	Description	Manufacturer
Model Number	Part Number or SKU	Location
Unit Price	Extended Price	% Eligible

8.2 Eligible % - Vendor must provide the percentage that the product or service is E-rate eligible. The eligible % is NOT the E-rate discount amount. The eligibility of a product is determined based on the components that are eligible for discount per the FCC Eligible Services List. Contact the manufacturer if you are uncertain of the product eligibility.

BE SURE TO CLEARLY MARK INELIGIBLE ITEMS AS 0% ELIGIBLE

8.3 Associated Charges - The following charges associated with eligible products and services must be listed as separate line items on the same bid with the associated product or service:

- Basic Maintenance (Bundled Warranty)
- Installation
- Configuration
- Shipping & Delivery
- Training
- Travel & Per Diem Charges

- 8.4 Training Costs -Bids that include training costs must clearly define eligible training costs. Onsite training is eligible as a part of installation services but only if it is basic instruction on the use of eligible equipment directly associated with equipment installation, and is part of the contract or agreement for the equipment. Training must occur coincidentally or within a reasonable time after installation.
- 8.5 Basic Maintenance - Bids for basic maintenance (if applicable) must list:
- Quantity
 - Manufacturer
 - Model number or product number
 - Part Number or SKU
 - Location of each piece of equipment to be maintained
 - Scope of Work
- 8.6 Managed Internal Broadband Services (MIBS) - Bids for Managed Internal Broadband Services must include:
- complete list of equipment to be installed and/or managed including quantity, manufacturer, model number or product number, site location
 - whether or not equipment is owned by the applicant or the provider, and o Scope of Work (SOW)
- 8.7 Uninterruptible Power Supplies (UPS) - Bids for UPS equipment must include list of equipment that will be supported by the UPS, including make, model and part number.