

# Specifications for VOIP Telephone System, Data Distribution and Protection and Associated Wireless Infrastructure

All components of this RFP must be addressed. RFPs that do not address VOIP telephone system, data distribution and protection, and associated wireless infrastructure will not be considered.

Vendors are required to attend the pre-project meeting and on-site walk through scheduled for Friday, June 13, 2008 at 10:30 a.m., convening at the District Office located at 650 N Cleveland, Moscow, Idaho. Detailed design diagrams and specifications will be proposed by the vendors following the on-site visit. Proposals must include installation and configuration.

## Locations

All schools and sites are located in Moscow, Idaho, Latah County.

### Schools

Russell Elementary	119 N Adams
West Park Elementary	510 Home
McDonald Elementary	2323 East D St
Lena Whitmore Elementary	110 S Blaine
Moscow Junior High School	1410 E D St
Moscow High School	402 E 5 <sup>th</sup>
Palouse Creek Regional High School	1314 S Main

### Non Instructional Facilities

Support Services Facility	2245 White Ave
District Office	650 N Cleveland

## Data Distribution and Protection

Install data distribution hardware required to support multi-service LANS at the schools and sites listed above. Install data protection hardware to secure distribution of data and voice to the schools. This hardware may include switches, routers, muxs, converters, firewalls, VPN components, UPS, patch cables, and cabling.

Minimum requirements for these internal connections are as follows:

- 1 Gb backbone to the data closet
- 10/100 Mb to the desktop
- IEEE 802.3af Power over Ethernet in all data closets
- Layer 3 switching
- QoS enabled
- UPS backup should be for a minimum of 30 minutes in each data closet
- All data systems platform and products must be Cisco

See Appendix A for number of network ports and Appendix B the districts network diagram.

## **Wireless LAN**

Install wireless access points to support mobile users within the schools. Wireless data should cover each building within the school district. The wireless systems may include controllers, switches, routers, access points, antennas, patch cables and cabling. A full wireless survey should be conducted yielding a result based report of the districts needs.

Minimum requirements for this wireless data system are as follows:

- IEEE 802.3af Power over Ethernet
- IEEE 802.11n standards (compatible with 802.11a/b/g)
- 802.11i, WPA, WPA-2, 802.1X and LEAP data encryption
- Unified controller-based
- Access points recommended per survey
- All data systems platform and products must be Cisco

## **VOIP Phone System**

Install VOIP phone system to provide voice services using the District's data infrastructure and to provide a voice mail system. This hardware may include call processing server, switches for line connections and switching, Power over Ethernet switches, voice gateways for analog and digital trunk connections, patch cables and cabling. The district currently has 90 phone lines and 12 fax lines.

Minimum requirements for this IP phone system are as follows:

- SIP Compliant
- Support IMAP email protocol
- IEEE 802.3af Power over Ethernet
- Unified messaging for up to 50 users
- Standard voice mail for up to 50 users
- Meet E911 requirements for emergency responders
- Building Survivability
- UPS backup should be for a minimum of 30 minutes in each data closet
- Cabling for data and voice runs as needed
- All data systems platform and products must be Cisco

See chart below for VOIP phones required for each site. Vendor must identify costs for phones separately.

	<b>Cisco 7911G</b>	<b>Cisco 7906G</b>	<b>Cisco 7961G</b>	<b>Cisco 7914</b>	<b>Cisco 7941G</b>	<b>Fax Line</b>
Russell Elementary	22	2	3	1		1
West Park Elementary	20	2	2	1	1	1
McDonald Elementary	34	2	5	1	2	1
Lena Elementary	29	2	3	1		1
Junior High School	58		3	1	5	1
Moscow High School	27	7	2	1	25	3
Support Services Facility		1			7	1
District Office		4	4	1	15	2

### **Vendor Requirements**

1. Must be bonded in Idaho State.
2. Must have insurance coverage providing
  - a. Statutory Worker's Compensation
  - b. Contractor's Public Liability Insurance including Bodily Injury and Property
3. Must be Cisco Certified Partner
4. Must be within 2-hour drive of the school district

### **Instructions for Submitting Proposals**

Bid proposals (2 copies) must include all of the following:

1. Vendor name, address and key contacts
2. E-rate Service Provider Identification Number (SPIN)
3. Proposals need to provide
  - a. Detailed design diagrams and specifications
  - b. Network survey report results
  - c. Complete costs for all hardware needed for this project including installation and configuration
  - d. Annual support costs

4. Background information about vendor including the following:
  - a. Services provided
  - b. Organizational structure
  - c. Certifications
5. At least 5 references from similar projects and/or clients
6. A CD copy in PDF format of all proposals
7. Submitted and signed by an authorized representative of the vendor

Two copies of the bid proposal should be mailed or delivered to:

Sue Driskill

Moscow School District

650 N Cleveland

Moscow, ID 83843

Phone: 208-882-1120

Sealed bids must be received by 2:00 pm PST on June 20, 2008.

## **Signature Page for VOIP Telephone System Bid**

\_\_\_\_\_  
Name of Vendor

\_\_\_\_\_  
Address, City, Zip Code

\_\_\_\_\_  
Contact Phone Number and Email Address

\_\_\_\_\_  
Printed Name of Authorized Person

\_\_\_\_\_  
Signature of Authorized Person