**Silver Falls School District**

**Network Equipment Solutions**

**SUBMIT PROPOSAL TO:**

Silver Falls School District

ATTN: Brett Milliken

1456 Pine Street,

Silverton, OR 97381

(503) 873-6331
erate@silverfalls.k12.or.us

**BID SUBMISSION DEADLINE:**

**March 1st, 2024, at 4 p.m. Pacific Standard Time**

 Bidder (Company) Address City State Zip Code

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature of member authorized to sign for firm (Title).
(I certify that I have proposed according to the specifications and conditions of this proposal).

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
Doing business under the Company Name of:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Telephone Number with area code

Proposal must be submitted with subject line:
**Proposal – Network Equipment Solutions**

Include Vendor Contact name and address.

**SUPPORTING DOCUMENTATION**

**Network Equipment**

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# PART I - GENERAL INFORMATION

**I-1. Purpose.** This request for proposals provides interested parties with enough information to enable them to prepare and submit proposals for consideration by Silver Falls School District to satisfy the District’s need for networking equipment.

**I-2. Issuing Office.** This supporting documentation is issued by Silver Falls School District, ATTN: Brett Milliken,1456 Pine Street, Silverton, OR 97381, (503) 873-6331, erate@silverfalls.k12.or.us. Email is the preferred method of communication.

**I-3. Scope.** This supporting documentation contains instructions governing the proposals to be submitted and the materials to be included therein; a description of the service to be provided; requirements which must be met to be eligible for consideration.

# PART II - REQUIRED INFORMATION

**II-1 SCOPE AND DESCRIPTION**

Silver Falls School District seeks to upgrade network equipment in multiple schools. A detailed list is below. **This is an equipment bid only – no installation services are sought.**

Proposals should include equipment and all necessary software, licensing, maintenance, and shipping costs and must be priced out on their own line items within the bid. All equipment supplied must be new and have a minimum **1-year** **warranty** (preference given to longer warranties). Any **software licensing** required as part of the bid should be included at a **5-year** **term**.

**II-2 SUMMARY OF NETWORK EQUIPMENT**

|  |  |  |
| --- | --- | --- |
| **Item** | **Equal to or better than\*** | **Quantity** |
| Wireless access point | Aruba **IAP-515** or equivalent | **[1]** |
| 48-port gigabit PoE+ switch | Juniper **EX3400-48P** or equivalent | **[1]** |

*\* Vendors may propose different equipment, but all equipment must meet specifications in* ***Section II-4*** *and have equal or better feature sets than models listed.*

**II-3 SUMMARY OF NETWORK EQUIPMENT LOCATIONS**

| **Location** | **Equipment** | **Quantity** |
| --- | --- | --- |
| Bethany Elementary | Wireless access point | **[1]** |
| Central Howell Elementary | 48-port gigabit PoE+ switch | **[1]** |

**II-4 EQUIPMENT DETAIL (REQUIRED SPECIFICATIONS)**

* **Wireless access point specifications**
	+ Reference design: **Aruba IAP-515** or equivalent
		- Reference Link: <https://www.arubanetworks.com/assets/ds/DS_AP510Series.pdf>
	+ Minimum 1 x 10/100/1000BASE-T Ethernet network interface (RJ-45)
		- POE and POE+ compatibility required; **Passive POE disqualified**
	+ Minimum 5GHz 802.11ax 4x4 MIMO and 2.4GHz 802.11ax 2x2 MIMO Wi-Fi Alliance (WFA) certified 802.11a/b/g/n/ac
	+ WPA, WPA2, and WPA3 - Enterprise with CNSA option, Personal (SAE), Enhanced Open (OWE)
	+ Aruba ClientMatch technology, or equivalent, preferred
	+ **Limited lifetime hardware warranty at no additional cost**
	+ **Limited lifetime software feature updates, bug fixes, and patches at no additional cost**
	+ **Virtual clustering of more than 90 access points per cluster with no extra hardware or software required to manage the virtual cluster (aka virtual controller)**
	+ **Manageable via existing district Aruba virtual controllers, preferred**
* **48-port gigabit PoE+ switch specifications**
	+ Reference design: **Juniper EX3400-48P** or equivalent
		- Reference Link: <https://www.juniper.net/assets/us/en/local/pdf/datasheets/1000581-en.pdf>
	+ 48x 1G Base-T PoE+ ports, minimum
	+ 4x 10G SFP+ and/or 25G SFP28 ports, minimum
	+ 2x 40G QSFP and/or 100G QSFP28 ports minimum
	+ Static Routing
	+ DHCP forwarding
	+ Q-in-Q
	+ 9000 MTU, minimum
	+ 16,000 IPv4 ARP table, minimum
	+ 32,000 MAC table, minimum
	+ IPv6
	+ Support for SR, LR, ER, ZR, BiDi, and DWDM optics, preference for third party compatible options
	+ Dual power
	+ Virtual chassis support
	+ Prefer lifetime warranty

**Automation support requirements for Switching equipment:**

1. Programmable interface (API). The device MUST have an on-device programmable API (NETCONF or REST) that allows an external script to:
	1. Get device configuration
	2. Get operational data
	3. Change device configuration
2. Structured operational data.
	1. The device MUST return operational data as structured data (JSON or XML format).
	2. The device MUST NOT return operational data as text printouts wrapped in XML or JSON envelopes.
3. Device configuration in structured format
	1. The device SHOULD return its configuration in structured format (JSON or XML) with meaningful structure; for example, ACL lines should be within the ACL.
4. Atomic configuration changes
	1. Changes to device configuration MUST be atomic, either all the submitted changes are accepted, or none is.
5. Configuration rollback
	1. The device MUST support rollback to a previous configuration.
6. Configuration replacement
	1. The device MUST support replacing current configuration with a new configuration without a reload.
7. Configuration diff
	1. The device SHOULD be able to create a list of configuration commands needed to transform one configuration into another.
8. Support for industry-standard models
	1. The device SHOULD support industry-standard configuration data models such as IETF and/or OpenConfig.

# PART III - CRITERIA FOR SELECTION

The proposals will be reviewed by the Silver Falls School District’s Technology Dept.

The District reserves the right to award all, some or no portions of the project to a single or multiple vendors.

By submitting a bid on the requested services herein, the bidder certifies that its proposed prices are consistent with the FCC’s **Lowest Corresponding Price** (“**LCP**”) requirements and that its equipment and services are compliant with the FCC’s recent Order (**FCC 19-121**) prohibiting the sale, provision, maintenance, modification, or other support of equipment or services provided or manufactured by Huawei, ZTE, or any other “covered company” deemed a national security threat.

**Lowest Corresponding Price, LCP,** **reference**: <https://www.usac.org/e-rate/service-providers/step-2-responding-to-bids/lowest-corresponding-price/>

**FCC 19-121 reference**: <https://docs.fcc.gov/public/attachments/FCC-19-121A1.pdf>

The following elements will be the primary consideration in evaluating proposals and in the selection of a Vendor

* Price of eligible goods/services (**60%**)
* Specification requirements (**40%**)

Questions must be submitted electronically via email to: erate@silverfalls.k12.or.us Submitted questions and responses will be posted in EPC and added to the RFP documentation.

Bids must be submitted via email to: erate@silverfalls.k12.or.us

Bidding will close after the E-Rate 470 allowable contract window, minimum of 28 days after form 470 submission. If too few bids are received after the 28-day waiting window, applicant may extend the bid deadline with appropriate notice to bidder(s). We reserve the right to reject late filed bids.

# PART IV - FUNDING AND TIMELINE

**Required Notice to Proceed and Funding Availability**

SFSD will follow the purchasing policies of the SFSD School Board of Education and requirements and procedures of the FCC’s E-rate program as administered by the Universal Service Administrative Company (USAC) to be eligible for all available funding. The implementation of any associated contracts resulting from this competitive bid process will be dependent on the district's issuance of a written Notice to Proceed. E-rate funding notification alone will not signify Notice to Proceed.

The district will have the right to allow the contract to expire without implementation if appropriate funding does not become available.

**Timeline**

All equipment should be delivered to the district by **September 30th, 2025** to meet district implementation goals (pending USAC application approval).