



NORTH SLOPE
BOROUGH SCHOOL DISTRICT
— *Striving For Excellence* —

Request for Proposal (RFP)

FY23-24 NETWORK MANAGED SERVICES RFP

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INTRODUCTION

The North Slope Borough School District (NSBSD) is the largest and northernmost school district in the United States. NSBSD serves 1854 students at eleven schools and one Residential Learning Center (RLC). NSBSD has five “in-town” schools and the District’s administrative offices. These schools are located within the municipal area of the City of Utqiagvik. Within the town, there is one elementary school (grades K-5), one middle school (grades 6-8), one high school (grades 9-12), one alternative school (KLC), and one Residential Learning Center. NSBSD has seven village schools that are completely isolated. Each of these schools provides K-12 education for its remote village student population, with a bush plane being their only link to other communities. The NSBSD has approximately 450 employees at eleven schools, RLC, Central Office, Central Office Annex, Transportation, and Maintenance and Operations Building.

Objective

The North Slope Borough School District is seeking proposals from interested vendors with best-in-class capabilities and experience in managing network services. The selected vendor will provide the resources and expertise necessary to deliver and integrate a broad scope of Network Services of the highest quality for complex environments. The North Slope Borough School District seeks to acquire the services of a single provider who will act as the primary vendor responsible for the delivery of high-quality network services to the North Slope Borough School District. The list of service locations, network devices, and Cisco Call Manager servers and phones can be found in Attachment #3 and #4.

Wi-Fi Management Not Included
Firewall Management Not Included

Specifications

A. NETWORK SERVICES OVERVIEW

To qualify for participation in this RFP, the potential bidder must attest that they currently provide network-managed services from their Network Operations Center (“NOC”) for a minimum of three (3) customer sites with network nodes consisting of at least 1,000 network-attached devices. Network Services include the assets and services associated with the electronic transport of data, video, and voice across the North Slope Borough School District infrastructure, and/or external third parties. Network Services are comprised of the following components: Data Network, Remote Access, Video Conferencing, VOIP, and Security.

B. NETWORK SERVICE REQUIREMENTS

1. The vendor shall monitor and manage the current and future network to provide a reliable, scalable, responsive, and secure data communications network with connectivity to all locations.

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2. The vendor will provide technical assistance and support to North Slope Borough School District in planning and standard-setting activities.
3. The vendor shall maintain a secure network and remote access to the North Slope Borough School District users and authorized third parties.
4. The vendor shall incorporate technology security improvements for business requirements without compromising the security, integrity, and performance of the NSBSD enterprise and its information resources.
5. The vendor shall perform centralized management of network assets.
6. The vendor shall ensure all network-attached assets are operating at optimal and maximum performance.
7. The vendor shall continuously manage the network to meet the demands of the NSBSD requirements including recommending network bandwidth and technology upgrades as needed.
8. The vendor shall continuously investigate technology that improves the overall network efficiencies, lowers overall network costs, and improves user network satisfaction.
9. Collaborate with third-party network carriers and vendors, to resolve incidents as needed.
10. Produce and submit network architecture documentation for the current and future environment.
11. Produce and submit capacity and trending analysis for network infrastructure.
12. Produce and submit impact analyses and associated plans.
13. Provide maintenance and support for all network services, including the cable plant, network hardware, and circuits.
14. Provide centralized management of Network Services operations including security.
15. Provide as-needed local 24x7x365 engineering technical support.
16. Implement and operate network management tools that automatically generate service desk trouble tickets in the event of network device failure.
17. Measure and benchmark the server-to-desktop network performance using network performance tools.

18. Model and evaluate the effect that an introduction of a new application will have on the network infrastructure and identify, quantify, and accommodate bandwidth requirements before production deployment of the application takes place, as requested by NSBSD.
19. Provide updates to network standards documentation as required.
20. Backup network device configurations.

C. DATA NETWORK SERVICE OVERVIEW

The Data Network Services component applies to the physical network which encompasses the transmission (not processing) of information in various formats. Services provided within this component include but are not limited to, network management, network capacity, and performance monitoring, site-to-site connectivity, user-to-network connectivity, network engineering, and Internet access.

D. DATA NETWORK SERVICES REQUIREMENTS

1. Vendor shall establish and maintain software currency on Data Network Services assets (Data Equipment)
2. Produce and submit recommendations for Data Network Services architecture.
3. Produce and submit the Data Network Services migration plan.
4. Perform, produce, and submit recommendations for Data Network Services capacity and performance policies and procedures.
5. Produce and submit recommendations for Data Network Services migration to current technology.
6. Produce and submit operational policies and procedures for monitoring and maintaining Data Network Services
7. Produce and submit network provisioning policies and procedures.
8. Produce and submit network administration policies and procedures.
9. Produce and submit documentation of Data Network Services asset configuration files and IP addressing schemas.
10. Produce and submit to NSBSD all design and engineering documentation to support Data Network Services.
11. Design, test, and implement approved Data Network Services architecture.

12. Implement approved Data Network Services migration plan.
13. Deploy, manage, communicate, and report on activities related to Data Network Services refresh.
14. Design and Implement Data Network Services capacity and performance policies and procedures.
15. Implement operational policies and procedures for monitoring and maintaining Data Network Services
16. Design and implement network provisioning policies and procedures.
17. Implement approved network administration policies and procedures.
18. Provide support, including Break-Fix, for all Data Network Services assets.
19. Manage public carriers and other public carriers and other circuit providers to ensure delivery of WAN services.
20. Monitor Data Network Services to establish baseline and thresholds.
21. Provide and support Data Network Services migration to new technology or architecture.
22. Produce and submit Data Network Services utilization, capacity, and performance reports quarterly.
23. Perform day-to-day network operations and administration of activities.
24. Maintain TCP/IP addressing schemes, router configurations, routing tables, VPN configurations, network addresses, MAC addresses, etc.
25. Refer to Change Management Policy with the Vendor and NSBSD for infrastructure wiring, patch panels, jack configuration, and documentation.
26. Implement measures for proactive monitoring and self-healing capabilities to limit network Break-Fix incidents.

E. REMOTE ACCESS SERVICES OVERVIEW

This section pertains to the Remote Access Services component within the Network Services. The Remote Access Services component applies to providing connection to internal NSBSD networked assets from outside the NSBSD network perimeters

specifically for authorized Users. Services provided within this component include but are not limited to, VPN, and Remote Access accounts.

F. REMOTE ACCESS SERVICES REQUIREMENTS:

1. Produce and submit recommendations for a consolidated Remote Access Services architecture.
2. Maintain a safe and secure session that allows authorized external and NSBSD Users access to designated NSBSD network resources.
3. Design, test, and implement approved Remote Access Services
4. Provide support, including break-fix for all Remote Access Services assets.
5. Maintain, support, and report on Remote Access Services.

G. SECURITY SERVICES OVERVIEW

The Security Services component of Network Services includes the hardware, software, and services provided to maintain network security, including:

1. Protection from unauthorized devices, software, or users.
2. Protection from unauthorized access to, or use of, the work and networked assets.
3. Intrusion detection and reporting.
4. Security monitoring.
5. Security architecture services.
6. Data protection.
7. Prevention of malicious code entry into the network.
8. Protect all data residing on the network from intrusion, destruction, or compromise.

H. SECURITY SERVICES REQUIREMENTS:

1. Produce and submit recommendations for security architecture.

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2. Produce and submit plans for monitoring and managing access to the NSBSD network.
3. Produce and submit plans that provide security to physical and logical devices connected to the network.
4. Produce and submit recommendations for improved network security.
5. Produce and submit recommendations of policies for security vulnerability & penetration testing. Penetration testing is done outside MNS and is often a 3rd party service. This is not to get caught by blind spots of the network team.
6. Produce and submit plans for Security Services asset updates or patches.
7. Design and implement monitoring and managing access plans as approved.
8. Design, test, and implement plans to secure network-attached devices.
9. Design, test, implement, and report Security Services assets to refresh or upgrade.
10. Design and implement approved recommendations for improving network security.
11. Design and implement approved policies for security vulnerability and penetration testing. Penetration testing is done outside MNS and is often a 3rd party service. This is not to get caught by blind spots of the network team.
12. Design, test, and implement updates or patches approved for Security Services assets.
13. Provide support, including break-fix for all Security Services assets.
14. Provide 24x7x365 security monitoring services.
15. Provide reporting on security testing results.
16. Identify and provide countermeasures for malicious code attacks (both prevention and remediation).
17. Block unauthorized party access and provide notification of unauthorized access attempts.
18. Provide technical expertise for security audits.
19. Provide security reporting.
20. Implement security violation notification.

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PROPOSAL REQUIREMENT

A. PROPOSALS

1. Attachment 1 - Intent to Respond (Please submit this attachment to the Director of Information Technology, at reginald.santos@nsbsd.org **as soon as possible** to ensure the vendor receives all communication relative to the RFP).
2. **Proposals must be received by 12 p.m. April 25, 2023**, at the NSBSD Business Department PO Box 169, Utqiagvik Alaska 99723. Proposals will be opened on April 25, 2023, at 3:00 p.m. in the NSBSD Business Office.
3. Proposals will be accepted by mail or email. It is the vendor's responsibility to ensure proposals are received. The proposal must be clearly marked as follows:

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North Slope Borough School District

Business Office

PO Box 169

829 Aivik Street

Utqiagvik, AK 99723

Attention: Business Office

Tammy.Stromberg@NSBSD.org

4. Vendors must submit proposals on the enclosed attachment forms. All forms must be complete, legible, and manually signed.
5. Acceptance of Special Delivery mail is not available Saturdays, Sundays, or holidays. The ultimate responsibility for the delivery of the proposal document lies with the vendor. The NSBSD shall make no concession regarding postal service or any other form of conveyance of the proposal document even when timely delivery of the proposal fails through no fault of the vendor. Late proposals will not be considered and will be returned to the vendor unopened after the award.
6. Vendors are encouraged to mail return proposals at least five (5) working days prior to proposal opening. This is a suggestion only to minimize late proposals received and does not negate the aforementioned disposition of late proposals.
7. **Proposals submitted shall include, as a minimum, the following:**
 - a. Attachment #2 – Vendor Information
 - b. The proposal must contain the following, referenced by number in the order below:

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1. A brief description of the history and organization of the bidder's firm, and of any proposed sub-vendor.
 2. Copies of business licenses, professional certifications, or other credentials, together with evidence that the bidder, if a corporation is in good standing and qualified to conduct business in Alaska.
 3. A description of similar projects completed by the bidder within the past three (3) years.
 4. Qualifications, background, and experience of the project director and other staff proposed to work on the project.
 5. References with contact information from organizations that have used the bidder's services for similar projects within the last 12-18 months.
 6. A general description of the techniques, approaches, and methods to be used in completing the project.
 7. A detailed cost proposal, including any travel costs and other expenses.
- c. Vendors must review the RFP thoroughly. The vendor's comments concerning discrepancies, defects, ambiguities, or other errors in the RFP must be made in writing and received by the IT Department at least seven (7) days prior to the date set for the opening of bids. Any clarifications, changes, or corrections to the RFP will be made only by written notice or addendum issued by the District to all vendors who submitted an Intent to Respond.

B. RECEIPT AND OPENING OF PROPOSALS

1. Proposals received prior to the advertised hour of opening will be kept securely sealed until the date and time of the opening of proposals.
2. No responsibility will attach to the NSBSD or its representatives for the premature opening of, or the failure to open, a proposal not properly addressed and identified in accordance with the instructions contained herein.
3. Proposals will be opened on April 25, 2023, at 3:00 p.m. in the NSBSD Business Office.

C. MODIFICATION, CORRECTION, OR WITHDRAWAL OF PROPOSALS

Proposals may be modified, corrected, or withdrawn prior to 4 p.m. April 23, by written or emailed request. Proposals may not be modified or corrected verbally. The vendor bears the same responsibility for delivering proposal modifications, corrections, or withdrawals as for the original document. All modifications, revisions, or requests for withdrawal must be marked as such. Any attempt to make additions, deletions, corrections, or withdrawals of the proposal not in compliance with these provisions may be construed as a lack of “Good Faith” and may be cause for rejection of the proposal.

D. QUALIFICATIONS OF VENDORS

At the option of the NSBSD, and before contract award, a vendor may be requested to submit a detailed statement of qualifications, including previous experience in performing similar work, business and technical organization, financial resources, and equipment available to be used in performing the work. The NSBSD shall have the right to take such steps as it deems necessary to determine the ability of the vendor to perform the obligations under the contract. The vendor shall furnish the NSBSD with all such information and data for this purpose as may be requested. The right is reserved to reject any proposal where an investigation of the available evidence or information does not satisfy the NSBSD that the vendor is qualified to properly carry out the terms of the contract.

E. EVALUATION OF PROPOSALS

North Slope Borough School District will utilize this scoring criterion for evaluating all responsive proposals to provide Network Management Services:

1. **Charges/Cost to NSBSD: 40 Points**-20 Points assigned to Part (a) and 20 points assigned to Part (b).
 - a. Total Monthly recurring charges
 - b. Total Installation, setup, discovery non-recurring costs
2. **Technical and Alaska Education Experience: 15 Points**

The proposal demonstrates the provider’s ability to deliver quality services to rural K-12 schools in Alaska. The proposal includes references, service provider staff, and/or vendor’s certifications, qualifications, experience, expertise, and resumes.
3. **Proposed Operational Delivery: 15 Points**

The proposal defines services and scope in enough detail so that the evaluators can confidently determine that the proposed services will be met.
4. **Design and Technical Execution: 15 Points**

Designed solution(s) to provide Network Managed Services of internal connections for all NSBSD network services as described in this RFP. The proposal includes information about the Bidder's ability to provide a technically efficient and cost-effective solution. The proposal includes the resources available to the provider to achieve the project and any concepts or innovations in design that have proven

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effective in the past that would apply to this model. The proposal includes references for similar services for remote and rural environments with similar logistical and weather concerns, such as those encountered regularly at NSBSD.

5. **Project Understanding and Methodology: 15 Points**

The proposal addresses the project in terms of the scope of work and substantive issues essential to good service and cares to maintain all NSBSD network hardware and services. A demonstrated knowledge and understanding of the NSBSD Technology Model for deployment and integration of all hardware is exemplified in the proposal.

H. TERMS OF AGREEMENT

NSBSD is seeking a proposal for the FY23-24 school year. The agreement may be renewed, at the District's Option, on an annual basis for the school years 2024-2026.

I. AWARD OF CONTRACT

1. The resulting contract will be awarded to the vendor submitting the most attractive proposal as determined by the evaluation factors and complying with the requirements of this solicitation, provided the proposal is reasonable and in the best interest of the NSBSD to accept it. The NSBSD, however, reserves the right to consider all features of the proposal, reject any proposals, consider alternates, and waive any informality or irregularity in proposals received whenever such rejection or waiver is in the NSBSD's interest.
2. The NSBSD reserves the right to accept or reject any or all items of any proposal where such acceptance or rejection is appropriate and does not affect the basic proposal.
3. The NSBSD reserves the right to reject the offer of a vendor who has previously failed to perform correctly or complete on-time contracts of a similar nature; to reject the offer of a vendor who is not, in the opinion of the NSBSD, in a position or qualified to perform the Contract; and any or all offers when such rejection is in the interest of the NSBSD.
4. The NSBSD School Board, during a regularly scheduled meeting, will review the contract documents and make an award of the contracts if approved.
5. The NSBSD has the right to reject any or all proposals if funding is unavailable.

J. NON-DISCRIMINATION

Vendors agree that if awarded a contract under this invitation, they shall comply with the applicable provisions of Title VI of the Federal Civil Rights Act of 1964 and all amendments to it, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975; Section 504, Rehabilitation Act of 1973; and all amendments to it and all regulations issued thereunder by the Federal and State

governments. If the contract fails to comply with such acts and regulations, the NSBSD shall have the right to terminate this contract immediately.

K. COMPLIANCE WITH LAWS

The vendor shall comply with professional standards and all applicable Federal and State laws and local ordinances, including but not limited to the Federal Occupational Safety and Health Act of 1970 and Health Act of 1973 and amendments to it and all regulations issued thereunder by Federal, State, and local governments. The vendor agrees to indemnify and hold harmless the NSBSD from and against any liability or direct, consequential damage, including but not limited to any fines, penalties, or other corrective measures the NSBSD may suffer resulting from any violation by the vendor of such acts.

L. INDEMNITY

Except for claims arising out of acts caused by the sole negligence of the NSBSD, its agents, servants, or employees, the vendor agrees to indemnify and hold harmless the NSBSD, its agents, servants, and employees from acts or omissions of any nature whatsoever of the vendor, its agents, servants, and employees, causing injury to, or death of a person(s) or damage to property during the term of this contract, and from any expense incident to the defense of the NSBSD therefrom.

M. CONFLICTING TERMS

Whenever there is an apparent conflict between the General Terms and Conditions and the Specifications, the Specifications shall prevail.

N. TERMINATION

1. **TERMINATION FOR CONVENIENCE:** The NSBSD may terminate the contract, in whole or in part, without showing cause, upon giving written notice to the Vendor.
2. **TERMINATION FOR DEFAULT:** If the vendor refuses or fails to prosecute the work or any separate part, with the diligence that will ensure its completion within the time specified in this contract, including any extension, or fails to complete the work within this time, the NSBSD may, by written notice to the Vendor, terminate the right to proceed with the work (or the separable part of the work) that has been delayed. In this event, the NSBSD may take over the work and complete it by contract or otherwise. The Vendor and its sureties shall be liable for any damage to the NSBSD resulting from the Vendor's refusal or failure to complete the work within the specified time, whether or not the Vendor's right to proceed with the work is terminated. This liability includes any increased costs incurred by the NSBSD in completing the work.

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FY23-24 NETWORK MANAGED SERVICES RFP Attachment #1

Acknowledgment of RFP and Intent to Respond

All vendors who intend to submit a response to this RFP must complete this form and email it to:

Tammy Stromberg, Director of Finance
North Slope Borough School District
tammy.stromberg@nsbsd.org
(907) 852-9691 phone

Any vendor, who fails to notify the District of their intent to respond via this form, assumes complete responsibility in the event that such vendor does not receive all related communication prior to submission of their response.

Business Name/AK Business License:

Contact Name:

Contact Phone Number

Contact Fax Number:

Contact Email address:

Mailing Address:

- ☐ I have reviewed the requirements of this RFP and intend to respond.
- ☐ I have reviewed the requirements of this RFP and do not intend to respond but desire to remain on the District's vendor list.
- ☐ I have reviewed the requirements of the RFP and do not intend to respond; please remove my company's name from your vendor list.

Signature/Title/Date

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FY23-24 NETWORK MANAGED SERVICES Attachment #2

VENDOR INFORMATION

Business Name/AK Business License:

Contact Name:

Contact Phone Number:

Contact FAX Number:

Mailing Address:

Location (Street address):

E-mail address:

Vendor Signature

Title

Date

NSBSD Signature

Title

Date

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Attachment #3

	Device	Model	Serial
1	AIN-ROUTER	Cisco ISR4451-X/K9	FJC2123D198
2	AIN-2960-14	C9300-48UN	FOC2542YGKC
3	AIN-3850-13	C9300-48UN	FOC2542YH0H
4	AIN-9300-10	C9300-48U	FOC2251X08H
5	AIN-9300-11	C9300-48UN	FOC2542YHPC
6	AIN-9300-12	C9300-48UN	FOC2542YHSK
7	AKP-ROUTER	Cisco ISR4451-X/K9	FJC2123D19C
8	AKP-9300-10	C9300-48U	FOC2146Q0BY
9	AKP-9300-11	C9300-48UN	FOC2542YJ04
10	AKP-9300-12	C9300-48UN	FOC2542YGNP
11	AKP-9300-13	C9300-48UN	FOC2542YJ1H
12	AKP-9300-13	C9300-48UN	FOC2542YGN3
13	AKP-9300-14	C9300-48UN	FOC2542YHTA
14	ATQ-ROUTER	Cisco ISR4451-X/K9	FJC2142D1Z0
15	ATQ-3850-11	WS-C3850-48P	FOC2225L1YR
16	ATQ-3850-12	WS-C3850-48P	FOC2225L1Y9
17	ATQ-9300-14	C9300-48UN	FOC2542YGS4
18	ATQ-9300-30	C9300-48U	FCW2135L0FH
19	ATQ-IC-3560-20	WS-C3560X-24P	FDO1747P1VJ
20	ATQ-IC-3560-21	WS-C3560X-24P	FDO1737Z0RP
21	BHS-ICC-VOIP-100	WS-C3560X-24P	FDO1711R1LQ
22	BRW-BHS-ACAD-2960-21	WS-C3850-24P	FOC2227L19X
23	BRW-BHS-ACAD-2960-22	WS-C2960S-48TS-S	FOC1708W1SP
24	BRW-BHS-ACAD-2960-23	WS-C2960S-48TS-S	FOC1708W1TF
25	BRW-BHS-ACAD-2960-25	WS-C2960S-48TS-S	FOC1708W1TE
26	BRW-BHS-ACAD-2960-26	WS-C2960S-48TS-S	FOC1708W1S8
27	BRW-BHS-ACAD-2960s-24	WS-C2960S-48TS-S	FOC1708W1ST
28	BRW-BHS-ACAD-3850-20	WS-C3850-24P	FOC2227L19X
29	BRW-BHS-CONF-3850-60	WS-C3850-24P	FOC2227X0W5
30	BRW-BHS-GIS-2960-30	WS-C2960S-48TS-S	FOC1708W1SD
31	BRW-BHS-LIBR-2960-11	WS-C2960S-48TS-S	FOC1708Z5D5
32	BRW-BHS-LIBR-2960-12	WS-C2960S-48TS-S	FOC1708Z5CY
33	BRW-BHS-LIBR-3560-10	WS-C3560X-24P-L	FDO1711Z1B8
34	BRW-BHS-MAO-2960-15	WS-C2960S-48TS-S	FOC1708Z5ES

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35	BRW-BHS-SWIM-2970-14	WS-C2970G-24TS-E	CSG0903P0AG
36	BRW-BHS-VOCED-2960-40	WS-C2960S-48TS-S	FCW1747A2RH
37	BRW-CO2-2960-10	WS-C2960S-24PD-L	FOC1815W1KB
38	BRW-CO2-2960-11	WS-C2960S-48TS-S	FOC1750V03G
39	BRW-CO2-2960-12	WS-C2960S-48TS-S	FOC1747W5A9
40	BRW-CO2-BIZ-2960-20	WS-C2960S-24PD-L	FOC1815W1C1
41	BRW-CO2-BIZ-2960-21	WS-C2960S-48TS-S	FOC1708Z5DC
42	BRW-CO2-BIZ-2960-22	WS-C2960S-48TS-S	FOC1714W1ZJ
43	BRW-CO2-BIZ-2960-23	WS-C2960S-48TS-S	FCW1747A268
44	BRW-CO2-BIZ-2960-24	WS-C3850-24P	FOC22256TXM
45	BRW-CO-CONF-2960-10	WS-C2960X-48TD-L	FCW2048B356
46	BRW-CO-CONF-2960-10	C9300-48U	FJC253219WQ
47	BRW-CO-CONF-2960-11	WS-C2960S-48TS-S	FOC1708W1SH
48	BRW-CO-CONF-3850-12	WS-C3850-24P	FCW2227C0VX
49	BRW-CORE-6509	WS-C6509-E	SMG1220N3X5
50	BRW-CORE-4500	Cisco ISR4451-X/K9	FJC2123D19D
51	BRW-HMS-LAB-2960-11	WS-C2960S-48TS-S	FOC1708Z5CZ
52	BRW-HMS-LAB-2960-12	WS-C2960S-48TS-S	FOC1708W1S6
53	BRW-HMS-LAB-2960-13	WS-C2960S-48TS-S	FOC1708W1S7
54	BRW-HMS-LAB-2960-14	WS-C2960S-48TS-S	FOC1708W1SS
55	BRW-HMS-LAB-2960-15	WS-C2960S-48TS-S	FOC1708Z5EW
56	BRW-HMS-LAB-2960X-10	WS-C2960X-24TD-L	FCW2111E19U
57	BRW-HMS-LAB-3850-16	WS-C3850-48P	FOC2225L1XG
58	BRW-HMS-LAB-9300-17	C9300-48U	FCW2132G0LD
59	BRW-HMS-RM162-20	WS-C2960S-48TS-S	FOC1708W1SL
60	BRW-HMS-RM166-30	WS-C2960S-48TS-S	FOC1708Z5CV
61	BRW-IGVK-2960-20	WS-C2960S-48TS-S	FOC1708W1SB
62	BRW-IPK-DWING-9300-21	C9300-48U	FCW2133L02G
63	BRW-IPK-MAINT-3560x-17	WS-C3560X-24P	FDO1747R1UR
64	BRW-IPK-MAINT-3560x-18	WS-C3560X-24P	FDO1747R1XQ
65	BRW-IPK-MAINT-3560x-19	WS-C3560X-24P	FDO1714R1PB
66	BRW-IPK-MAO-2960-30	WS-C2960G-8TC-L	FOC1622X439
67	BRW-IT-3850-10 STACK (2)	WS-C3850-48P	FOC2225L1PB
68	BRW-KLC-MAINT-2960-10	WS-C2960X-24TD-L	FCW2112E001
69	BRW-MAINT-3560x-30	WS-C3560X-24P	FDO1747R1VP
70	BRW-MAO-2960-10	WS-C2960G-48TC-L	FOC1304259H
71	BRW-MAYO-2960-10	WS-C2960S-48TS-S	FOC1708Z5E3
72	BRW-TRA-2960-10	WS-C2960X-24TD-L	FOC211079EH

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73	IPK-MAINT-9300-10	C9300-48UN	FOC2542YGRT
74	IPK-MAINT-9300-11	C9300-48UN	FOC2542YHZ0
75	IPK-MAINT-9300-12	C9300-48UN	FOC2542YJ0W
76	IPK-MAINT-9300-13	C9300-48UN	FOC2542YJ06
77	IPK-MAINT-9300-14	C9300-48UN	FOC2542YFY8
78	IPK-MAINT-9300-15	C9300-48U	FCW2133L02X
79	KAK-ROUTER	Cisco ISR4451-X/K9	FJC2435D0J5
80	KAK-2960X-11	WS-C2960X-48FPD-L	FOC2417LKDA
81	KAK-2960X-12	WS-C2960X-48FPD-L	FOC2417LJ4H
82	KAK-2960X-13	WS-C2960X-48FPD-L	FOC2417LHYW
83	KAK-2960X-14	WS-C2960X-48LPD-L	FOC1745S0BR
84	KAK-9300-10	C9300-48U	FJC2430U0DM
85	NUI-ROUTER	Cisco ISR4451-X/K9	FJC2123D199
86	NUI-9300-10	C9300-48U	FOC2146Z0HT
87	NUI-9300-12	C9300-48UN	FOC2542YHSE
88	NUI-9300-13	C9300-48UN	FOC2542YGN8
89	NUI-9300-14	C9300-48UN	FOC2542YHLB
90	NUI-9300-15	C9300-48UN	FOC2542YG75
91	NUI-9300-16	C9300-48UN	FOC2542YGQ3
92	NUI-9300-17	C9300-48UN	FOC2542YHUW
93	NUI-9300-18	C9300-48UN	FOC2542YHX3
94	PHO-ROUTER	Cisco ISR4451-X/K9	FJC2123D19A
95	PHO-2960-20	WS-C2960S-24PD-L	FOC1814AYAR
96	PHO-3750-30	WS-C3750X-24P	FDO1929Z0N4
97	PHO-3750-40	WS-C3750X-24P	FDO1929Z0N3
98	PHO-3750-41	WS-C3750X-24P	FDO1848F1DV
99	PHO-3750-50	WS-C3750X-24P	FDO1929Z0M0
100	PHO-3850-14	WS-C3850-48P	FOC2225L1PE
101	PHO-3850-21	WS-C3850-24P	FOC2227L106
102	PHO-3850-22	WS-C3850-48P	FOC2225L1ZV
103	PHO-3850-23	WS-C3850-48P	FOC2225L1SU
104	PHO-3850-24	WS-C3850-48P	FOC2225L1YZ
105	PHO-3850-31	WS-C3850-48P	FOC2225L1X1
106	PHO-3850-32	WS-C3850-48P	FOC2225L1X6
107	PHO-3850-35	WS-C3850-48P	FOC2225L1YB
108	PHO-9300-10	C9300-48U	FOC2146Z0HB
109	PHO-9300-11	C9300-48UN	FOC2542YHPX
110	PHO-9300-12	C9300-48UN	FOC2542YHMY

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111	PHO-9300-13	C9300-48UN	FOC2542YGRN
112	PHO-9300-33	C9300-48UN	FOC2542YFXQ
113	PHO-9300-34	C9300-48UN	FOC2542YGVG
114	PIZ-ROUTER	Cisco ISR4451-X/K9	FJC2123D197
115	PIZ-9300-10	C9300-48U	FCW2146G0J1
116	PIZ-9300-11	C9300-48UN	FOC2542YHPC
117	PIZ-9300-12	C9300-48UN	FOC2542YHSK
118	PIZ-9300-13	C9300-48UN	FOC2542YH0H
119	PIZ-9300-14	C9300-48UN	FOC2542YGKC
120	PIZ-9300-15	C9300-48UN	FOC2542YHXE
121	PIZ-9300-16	C9300-48UN	FOC2542YF8R
122	PIZ-CLK-3560-20	WS-C3560X-24P	FDO1711R1LJ
123	PIZ-CLK-3560-21	WS-C3560X-24P	FDO1714R1JR
124	PIZ-CLK-3560-22	WS-C3560X-24P	FDO1714R1PK

Cisco Unified Call Manager

363 Active Phones

Cisco Voice	
Virtual Server / Hostname	Server Role
UC-CUC-1	CUC Publisher
UC-CUC-2	Unified CM IM and Presence
UC-CUP-2	Unified CM IM and Presence
UC-CUP-1	Unified CM Voice/Video
UC-CUP-2	Unified CM Voice/Video
UC-CUP-3	Unified CM Voice/Video
UC-CCM-1	Unified CM Voice/Video

FY23-24 NETWORK MANAGED SERVICES RFP

Attachment #4

Service Locations

<u>Name</u>	<u>Address</u>
Alak School	567 Main St. Wainwright, AK 99782
Barrow High School	1684 Okpik St. Barrow, AK 99723
Central Office	829 Aivik St. Barrow, AK 99723
Hopson Middle School	6501 Transit St. Barrow, AK 99723
Ipalook Elementary School	2070 Ahkovak St Barrow, AK 99723
Kali School	1029 Qasigialik St. Point Lay, AK 99759
Kaveolook School	2001 Barter Ave. Kaktovik, AK 99747
Kitta Learning Center	5246 Karluk Street Barrow, AK 99723
Meade River School	4001 Kippi St Atqasuk, AK 99791
NSBSD MAO Central 1	693 Okpik Street Barrow, AK 99723
Nuiqsut Trapper School	3310 3rd Av Nuiqsut, AK 99789
Nunamiut School	114 Illinois St. Anaktuvuk Pass, AK 99721
Tikigaq School	1837 Tikigaq Ave. Point Hope, AK 99766