



Request for Proposal (RFP)

Project Title: Implementation of Valcom IP Intercom System

Issuing Organization: George Washington Academy

2277 S 3000 E. St. George, UT 84790

Date: May 2, 2024

1. Introduction:

George Washington Academy invites proposals for the implementation of a Valcom IP Intercom System to replace the legacy Bogen Multicom 2000. The GWA seeks to enhance its communication infrastructure to ensure efficient and effective communication across its campus and to comply with upcoming and/or future state laws requiring notifications and controls for emergency events.

2. Background:

George Washington Academy is a leading educational institution committed to providing a conducive learning environment for its students. With an increasing student population and expanding campus facilities, the need for a robust intercom system has become paramount. The Academy aims to integrate the latest technology to improve communication, safety, and security on its premises.

3. Objectives:

The primary objectives of this project are as follows:

- Implement a Valcom IP Intercom System to replace the existing Bogen Multicomm 2000 system.
- Reuse as much of the existing cable and speakers as possible.
- Enhance communication capabilities for staff, students, and visitors.
- Improve emergency response procedures through seamless communication channels.
- Ensure scalability and future expansion of the intercom system for upcoming campus expansions.

4. Scope of Work:

The selected vendor will be responsible for the following:

- Conducting a comprehensive assessment of the campus to determine the optimal placement of intercom units, verify existing facilities, and network assessment.
- Procuring and installing Valcom IP Intercom System hardware and software.
- Integrating the intercom system with existing communication infrastructure (Existing SIP FXS ATA).
- Providing training sessions for administrative staff and security personnel on system operation and maintenance.
- Offering ongoing technical support and maintenance services post-implementation.

5. Proposal Requirements:

Proposals should include, but not limited to, the following:

- Detailed description of the proposed Valcom IP Intercom System solution, including specifications, features, and capabilities.
- Implementation timeline outlining key milestones and deliverables.
- Cost breakdown, including hardware, software, installation, training, and ongoing support.
- Vendor qualifications, experience, and references for similar projects.
- Proof of local support with a 2 Hour response time.
- Warranty and support services offered by the vendor.
- Any additional recommendations or value-added services.
- All products shall be from one manufacturer.

6. Proposal Submission:

Interested vendors are invited to submit their proposals electronically to Jessica Bentley jbentley@gwacademy.org no later than May 31st, 2024. Late submissions will not be considered.

7. Evaluation Criteria:

Proposals will be evaluated based on the following criteria:

- Compliance with the requirements outlined in this RFP.
- Technical soundness and compatibility of the proposed solution with the Academy's needs.
- Cost-effectiveness and value proposition.
- Vendor experience and reputation.
- Quality of support services offered.

8. Timeline:

- RFP Issuance: May 2, 2024
- Proposal Submission Deadline: May 31, 2024

- Vendor Presentations/Demonstrations (if necessary): June 10-14th, 2024
- Vendor Selection and Contract Award: June 28, 2024
- Project Commencement: July 1st, 2024

9. Contact Information:

For inquiries or clarification regarding this RFP, please contact Jessica Bentley at jbentley@gwacademy.org or 435-673-2232

10. Reservation of Rights:

George Washington Academy reserves the right to:

- Reject any or all proposals received.
- Waive any irregularities or deficiencies in proposals received.
- Negotiate with selected vendors to modify terms and conditions, if deemed necessary.

11. Legal Compliance:

All proposals must comply with applicable laws, regulations, and ethical standards.

12. Acceptance of Terms:

By submitting a proposal, vendors acknowledge and accept all terms and conditions outlined in this RFP.

Product Details:

Products must be from a single manufacturer and meet the following requirements. Provide a Valcom IP Intercom or equal as follows:

Main Controller - Quantity 1

The VEIP6K-1 shall provide daily communication, emergency notification, calendar event scheduling, graphical interface, clock control, and on-demand distribution of WAV files, pre-recorded audio, and text to simultaneous groups of speakers, speakers with text, strobes, and threat level indicators. The VEIP6K-1 shall feature a simple browser-based interface including graphics, icons, and calendar. Schedule control shall be via automatic initiation (based upon day of the week, calendar date up to one year in advance) or software controlled daily as needed.

The VEIP6K-1 shall provide multiple simultaneous schedules, multiple events per schedule and up to 12 simultaneously occurring events. The schedules shall feature a one-second resolution. Events shall be capable of controlling paging, relays, text, and streaming audio. The VEIP6K-1 shall allow cascading events from a single time trigger. Schedules shall be presented to the user in a calendar view showing day, date, year, and months. The VEIP6K-1 shall provide for default screen view, permissions-based log-in, and roles.

The VEIP6K-1 Communication/Notification Server shall provide Common Alert Protocol (send and receive), RSS feeds, ATOM feeds, and Email post. The VEIP6K-1 shall manually initiate the origination of unscheduled events and shall import and convert audio files from wav files with an option to enhance the wav file audio during import and an option to pre-record messages to be utilized for daily communication and emergency alerts. Events shall feature programmable pre/post page delays and volume control per event.

A master volume control (system-wide) shall also be available.

The server shall control VE8001A/8002A/8004A/VE4804 to provide streaming audio to page group(s) and shall use VE8048/ VE4804 inputs to execute events from the Playlist. Controlling VE8048/4804 relays from events shall be inherent.

The VEIP6K-1 shall be capable of sending and receiving CAP (Common Alert Protocol) messages and executing multiple emergency voice messages and text from keywords of one or more CAP message files. The VEIP6K-1 shall communicate with the

VIP-102B setup tool for setup and dial code information. The ability to control receipt of messages based upon priority shall be inherent.

Audio storage capacity shall be 25,000 seconds. The VEIP6K-1 shall include a UPS (Uninterrupted Power Supply) to provide continued communication during power loss and brown-outs. The UPS shall automatically and gracefully shut down the VEIP6K-1 after an extended power loss so when power is restored, the Communication Notification Software shall be fully operational.

The VEIP6K-1 shall allow operation of eight (8) Form A contact closures. Eight (8) switch inputs shall be software programmable to activate events, trigger multiple events, broadcast specific information, activate contact closures, etc. including input connections to various building, access, security, and camera systems. The VEIP6K-1 shall provide four (4) channels of aux audio and be programmable as output audio or input audio on each channel independently. The VEIP6K shall provide four (4) contact closure switch inputs for each aux audio channel and four (4) contact closure outputs for each aux audio channel. Each audio channel shall be able to be manually activated, scheduled, or triggered by software events. The VEIP6K-1 shall provide input audio channels to be software programmable for either VOX or contact closure activation. When the audio channel is programmed as audio out, it shall provide a contact closure that activates automatically for connections to ancillary audio systems. The VEIP6K-1 shall provide four (4) audio channels to broadcast audio signaling to self-amplified speakers, 25/70V amplifiers, autonomous PA systems, and voice signaling equipment. The VEIP6K-1 shall provide phone access to Valcom IP endpoints from SIP telephone systems. The VEIP6K-1 shall communicate and register with the SIP telephone system as a SIP station or SIP trunk. The VEIP6K shall support up to four (4) simultaneous calls for intercom, and one way page announcements. Two (2) FXS ports shall be provided for connection to stand-alone 2500 type phones, loop start trunk, or FXO port access for intercom calls and one way page announcements. The VEIP6K-1 shall provide caller identification for intercom calls when SIP access is utilized and provide caller identification to a minimum of two (2) FXS ports when stand-alone phones, loop start trunk, or FXO access is utilized. VEIP6K-1 shall include an additional 1 RU UPS to facilitate power and protect operational software from brownouts and power surges. The UPS shall perform an elegant shutdown of software in the event of an extended power loss.

Desktop Interactive Console - Quantity 1

The Interactive Console Desktop Display, model number VE8092, shall consist of a 10.10in color touch screen display, a loudspeaker, a USB handset and a cradle attachment. The VE8092 Interactive Console Desktop device shall provide initiation or reception of live voice, pre-recorded audio, and WAV file announcements to Valcom IP audio gateways, IP speakers/horns, and IP speakers with text. The integrated handset assures privacy for two-way intercom calls while the convenient rear mounted speakers provide one-way group audio. THE VE8092 Interactive Console Desktop Display shall send live or pre-recorded audio files at the push of a button, The VE8092 makes and receives bidirectional voice calls to Valcom and SIP endpoints and receives audio pages. The VE8092 Interactive Console Desktop Display shall be a simple configuration via web browser interface. The VE8092 shall be powered via an Power over Ethernet Plus (PoE+): IEEE 802.3af compliant switch or injector. A 10 ft Ethernet cable is pre-connected at the factory, for connecting directly to an Ethernet switch. Setup of the VE8092 Interactive Console Desktop Display will be performed using the Valcom IP Solutions Setup Tool. Additional programming will be done directly in the VE8092 through the touch screen interface, and via web browser interface. The VE8092 Interactive Console Desktop Display shall be constructed with a pre-installed handset and an adjustable tilt screen for glare reduction. The VE8092 shall be table mountable with 4 non-skid pads to protect the table surface and to provide slip resistance. The VE8092 is suitable for indoor use.

Wall Mounted Display - Quantity 1

The IP Speaker with Text, model VL520-F, shall provide a highly visible message output and voice paging over an Ethernet network. Messages shall be created and delivered from the Valcom Application server (VE6025). Audio messages shall be created from any Valcom IP Paging source. The VL520-F IP Speaker with Text shall consist of a high efficiency speaker, high visibility message display, and dual flashers. Speaker output and LED display can be activated together or separately, Display can operate as a clock,

or provide other messages during idle periods. Power is provided to the VL520-F via a Power over Ethernet (PoE) switch meeting the 802.3at specification. Setup of the VL520-F shall be via the Valcom IP Solutions Setup Tool. The VL520-F case shall be constructed of aluminum with black or metallic finish. The VL520-F shall be suitable for indoor applications. The maximum dimensions shall be: 20.38in W x 5.50in H x 2.50in D (51.80cm x 14.00cm x 6.40cm). VL520BK-F weight shall be approximately: 4.60lb (2.10kg). VL520M-F weight shall be approximately: 4.60lb (2.10kg) 5.95lb (2.70kg).

IP Talkback Gateways - Quantity 6

The 12 Port Talkback Gateway, model VE1225, shall allow for the ultimate modernization of old-fashioned analog intercom systems. Each VE1225 port shall support either 2 x 45 Ohm speakers or a 15-watt load of 25 V speakers. The unit shall feature 12 call button inputs. The VE1225 shall additionally offer dual line level outputs. These line level outputs may be connected to amplifiers or self-amplified speakers to provide one-way audio to common areas. The VE1225 shall be powered via 120–240 V 50/60 Hz AC. System relays may be available for visual signaling during announcements or for door unlock functionality.

Replacement Call Switches - Quantity 50

The Call Switch, model V-2972 shall be a momentary spring return rocker switch mounted on a stainless-steel plate. The white rocker switch shall be 0.88in H x 0.75in W with the word "CALL" screen printed in black letters. The V-2972 mounts in a single gang electrical box and shall be constructed of stainless steel. The V-2972 are suitable for indoor applications.

6 Channel Amplifier - Quantity 1

The Six Channel Amplifier, model V-6120, shall have four 10-Watt outputs and two 40-Watt outputs to connect up to six independent one-way zones of speakers to be used

for paging, emergency paging, all call, group calls, class change tones, and emergency tones. The V-6120 Six Channel Amplifier 10-Watt outputs shall service up to a total of 10-Watts of 25 Volt taps. The 40-Watt outputs shall service up to a total of 40-Watts of 25 Volt taps. The six channels may be used as individual independent power amplifiers with more than enough power for nominal audio applications. Each input shall be line level and the V-6120 has been designed to drive as many as six independent 25 Volt outputs without the need of external transformers. The V-6120 Six Channel Amplifier satisfies many audio applications without compromising performance, all in a 19in rack mounted, 2U package. The V-6120 Six Channel Amplifier shall also include a high pass horn filter on each of the 40-Watt outputs, output level volume controls, activity indicators for each of the 6 outputs, power indicator, and quick release screw terminal connections for line level inputs and amplifier outputs. The V-6120 Six Channel Amplifier shall be constructed of steel with a charcoal black finish and white graphics. The V-6120 shall be suitable for indoor applications.

Mixer Amplifier - Quantity 9

The 120-watt Mixer Amplifier, model SM120, shall provide up to 120- Watts of audio power for voice paging or background music systems. The SM120 120-Watt Mixer Amplifier shall be used to operate 8 Ohm, 25 Volt or 70 Volt speakers and horns. The SM120 shall actively mix all inputs or shall provide cascading priority inputs (programmable). The SM120 120-Watt Mixer Amplifier shall have a master volume control plus a separate volume control for each input. Bass and treble controls shall also be provided. The SM120 shall contain a limiting circuit for protection against short circuits or impedance mismatches. . The SM120 120-Watt Mixer Amplifier shall have 4 channels of inputs. Input 1 shall be used to connect to a low-impedance microphone or a Tel line input such as a telephone system page port. Inputs 2 through 4 shall be used to connect to low-impedance microphones or high-impedance auxiliary devices such as a tuner, tone generator or other line-level audio source. The SM120 shall have a built-in tone generator that shall create both a warble tone and a single tone activated by

separate contact closure inputs. The volume of the generated tones shall be adjusted using the small knob labeled "Volume" on the rear panel. The SM120 120-Watt Mixer Amplifier shall be constructed of steel and be rack or shelf-mountable.