DESCRIPTION OF REQUIREMENT (DOR)
FACILITY INTERCOM COMMUNICATIONS AND CAMERAS
FLEET LOGISTICS MULTI-MISSION SQUADRON FOUR ZERO (VRM-40),
NORFOLK, VA 23511

1.0 BACKGROUND

- Building LP-27 (VRM-40) on NOB Norfolk requires working digital intercom, loudspeaker system, and hangar/flightline cameras for safety of personnel, mission, and aircraft. These intercom, loudspeaker, and camera systems may be networked to each other to enhance usability and functionality, but these systems shall not be attached to any other computer network or system.

- **The digital intercom/loudspeaker system(s)** are to be programed/designed to pass emergent, urgent, and safety related information to all hands within the squadron's spaces. These spaces include, but are not limited to, individual work center spaces, bathrooms, hangar bay, and areas outside and inside the hangar bay, to include smoke pits and squadron patio areas. The squadrons requires announcement coverage and announcement volume to ensure communications and commands can be understood during working conditions. This will include, but not limited to, the installation of multiple office & warehouse type speakers, multiple base stations, multiple 1-way announcement speakers, and multiple 2-way announcement speakers with microphones and call buttons to communicate between departments and base stations for communications and in an emergency situation.

- **The hanger/flightline camera system(s**) to observe and record movement of personnel and equipment in and around hanger and aircraft parking ramp/apron.

2.0 OBJECTIVE

The objective of this contract is:

Removal of old analog announcement/intercom system in Building LP-27 (VRM-40) and install new digital announcement system and video surveillance system.

2.1 Intercom system

- Complete removal of current outdated and inoperative facility intercom system.
    - Shall include, but not limited to pulling of old cables, replacement of ceiling tiles associated with old system, repairing of walls associated with old system, and weather-intrusion/sealing as necessary.
- Installation of new digital emergency announcement system (facility intercom) for supporting the squadron.

- Installation of wired speakers (not wireless) throughout the squadron spaces to prevent any "dead zones" and ensure emergency messages can be communicated adequately to all areas throughout each squadron and the immediate area.
- Installation of wired base stations with the ability to make and receive calls from 2-way communication stations and make announcements to all speakers within the squadron separately.
- Installation of wired 2-way communication with the ability to call/communicate with the programed base station.
- Obtain long term repair and maintenance services after system installation.

2.2 Hanger/flightline camera system

- Installation of hangar bay color cameras that provide overlapping coverage.
- Installation of flight line color cameras with low light enhancement, Pan/Tilt/Zoom (PTZ) that provide a view of all possible parking spots for the squadron's aircraft.
- Installation of three (3) video base stations with controls at LP27 (VRM-40): Quarterdeck, SDO, and Maintenance Control with controls and screens to view hangar bay and flight line cameras.
- To ensure new system is tested and proven to provide the needed coverage and functionality as described in this DOR.
- Obtain long term repair and maintenance services after system installation.

3.0 DESCRIPTION OF REQUIREMENT

The Contractor shall provide all qualified personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items necessary to remove the current system and install new systems with the following characteristics.

3.1 INTERCOM ITEMS REQUIRED/SALIENT CHARACTERISTICS

3.1.1 INTERCOM SPEAKERS

Installation of new, *area appropriate*, wired speakers (not wireless) to ensure communication in all designated locations (see attachments) inside and outside of building LP-27 (VRM-40). These speakers will provide clear communications at a decibel levels appropriate for emergency communications considering the work conditions of the location. Speaker location coverage shall include all work areas of the squadron to include, but not limited to, all offices, hallways, bathrooms, work centers, break areas, hangar bays, etc.

3.1.2. INTERCOM 'BASE STATIONS'

Installation of three (3) "base stations" in LP-27 (VRM-40). These "base stations" will be capable of making "calls/announcements" to other base station, 2-way

speakers, and single point speakers within the system and to make squadron wide announcements within the squadron area when needed. These "base stations" will be able to receive direct "calls" from programed 2-way speaker locations. These "base stations" will be of the wired variety (not wireless) to prevent interruption when emergency communications are at their upmost importance.

3.1.3 TWO (2)-WAY SPEAKERS WITH MICROPHONES AND CALL BUTTONS

Installation of multiple 2-way communication speakers (speakers with microphone) and associated call buttons to reach programmed base stations internal to the Squadron. These 2-way speakers and call buttons will be of the wired variety and located in each work center to facilitate communication with base station at maintenance control for the squadron.

3.1.4 UNINTERRUPTIBLE POWER SUPPLY (UPS)

Installation of UPS system that will provide a minimum of (one) 1 hour of continued use for the Squadron, supporting emergency situations when usage may be elevated due to power outage or emergency situation.

3.1.5 INTERCOM SYSTEM MAINTENANCE/REPAIR

Test newly installed intercom system for proper functionality, clarity, and coverage to ensure that any 'dead zones' do not exist and that emergency and non-emergency announcements can be clearly heard/understood during normal operations.

3.1.5.1 WARRANTY

The contractor shall provide in their proposal the warranty period offered by the installed equipment manufacturer (if any) and any installation guarantee for the newly installed system(s) that includes maintenance and repair.

3.1.5.2 LONG TERM MAINTENANCE

After initial system validation, and after any warranty period has expired, the contractor shall provide semi-annual preventive maintenance. This maintenance shall *recognize potential failures* and correct as needed. Maintenance shall include, but not limited to:

- Manufacture software updates,
- Internal/external dust removal of equipment
- Cable labeling/reapplying
- Cable securing
- Cable integrity inspection (chaffing, wire insulation integrity, etc.)
- Mounting bracket securing

- Communication quality validation (to include validation of all speaker functionality and quality)
- Water (weather) intrusion detection/prevention.

This system is vital to the safety of personnel and equipment. Preventive maintenance is key to ensuring proper operation when emergencies occur.

Contractor shall contact the Technical POC at least 2 weeks prior to a maintenance visit to coordinate access to the base/facility and to deconflict any scheduled training or activities by the squadrons. Contractor shall be flexible to accommodate squadrons training cycles or mission requirements. Maintenance visits shall occur between the hours of 0700 –1530 Monday through Friday except for federally recognized holidays.

3.1.5.3 EMERGENT REPAIR

Within two weeks of award, the contractor shall provide Emergent Repair contact plan that accommodates the below response times.

If repair is required, VRM-40 will notify the contractor. The contractor shall respond via email within twenty-four (24) hours to confirm receipt of outage report and restore functionality within seventy-two (72) hours. Repair activities will not be restricted by day or time but shall be coordinated through the Technical POC to ensure base/facility access and escorts as required. It is encouraged to initiate troubleshooting with VRM-40 via telephone and have naval personnel assist in initial troubleshooting efforts.

3.2 FLIGHT LINE AND HANGAR BAY CAMERA ITEMS REQUIRED/SALIENT CHARACTERISTICS

3.2.1 FLIGHT LINE AND HANGAR BAY CAMERAS

Installation of new, *area-appropriate*, color flight line and hangar bay cameras with low light enhancement and PTZ capabilities or equivalent. These cameras shall provide **a 4K or better video** and shall provide a clear view for the Squadron, both inside the hangar and outside to the flight line where associated squadron's aircraft may be parked.

3.2.2 CAMERA BASE STATION

Installation of three (3) "video base stations" in LP-27 (VRM-40). These "base stations" will be capable of controlling and viewing the installed cameras on multiple screens. Screens will provide size and definition to accommodate camera capabilities.

3.2.3 UNINTERRUPTIBLE POWER SUPPLY (UPS)

Installation of a UPS system that will provide a minimum of one (1) hour of continued use per Squadron in supporting power outages or emergency situations when usage may be elevated.

3.2.4 CAMERA RECORDING

Installation of a digital recording system for cameras. This digital storage would accommodate a minimum of seven (7) days of continuous camera footage before being overwritten. Storage shall have the ability to save internally to the system for specific blocks of time/footage as needed for incident retention for extended periods and transfer footage to external drive source in order to support investigations or incident reporting requirements.

3.2.5 FLIGHT LINE AND HANGAR BAY CAMERA SYSTEM MAINTENANCE/REPAIR

Test newly installed camera system for proper functionality, clarity, and coverage to ensure that any "blind spots" do not exist and there is controllability of the cameras from the base station.

3.2.5.1 WARRANTY

The contractor shall provide in their proposal the warranty period offered by the installed equipment manufacturer (if any) and any installation guarantee for the newly installed system(s) that includes maintenance and repair.

3.2.5.2 LONG TERM MAINTENANCE

After initial system validation, and after any warranty period has expired, the contractor shall provide semi-annual preventive maintenance. This maintenance shall *recognize potential failures* and correct as needed. Maintenance shall include, but not limited to:

- Camera lens cleaning
- Camera realignment
- Video quality validation
- Mount securing
- Cable labeling/reapplying
- Cable securing
- Cable integrity inspection (chaffing, wire insulation integrity, etc.)
- Mounting bracket securing
- Internal/external dust removal from equipment
- Water (weather) intrusion detection/prevention.

Contractor shall contact the Technical POC at least 2 weeks prior to a maintenance visit to coordinate access to the base/facility and to deconflict any scheduled training or activities by the squadrons. Contractor shall be flexible to accommodate squadrons training cycles or mission requirements. Maintenance visits shall occur between the hours of 0700 –1530 Monday through Friday except for federally recognized holidays.

3.2.5.3 EMERGENT REPAIR

Within two weeks of award, the contractor shall provide Emergent Repair contact plan that accommodates the below response times.

If repair is required, VRM-40 will notify the contractor. The contractor shall respond via email within twenty four (24) hours to confirm receipt of outage report and restore functionality within seventy two (72) hours. Repair activities will not be restricted by day or time but shall be coordinated through the Technical POC to ensure base/facility access and escorts as required.

4.0 GOVERNMENT PROPERTY

All currently installed equipment will be retained by the Squadron once the contractor has uninstalled.

5.0 DELIVERABLES

5.1 Contractor shall coordinate for base/installation access for delivery staff/personnel with Delivery POCs listed below. Storage of equipment components and/or tools is not available on site through the Squadrons. Early delivery of components and/or equipment is not authorized. On-site storage containers for contractor property or equipment during installation will be approved and coordinated in writing with Technical POCs listed below.

5.2 Contractor shall provide all personnel (drivers, package handlers, delivery staff, etc.) with the proper qualifications and licensed in their relevant area to perform the services listed herein and authorized to gain access to the installation (delivery location).

5.3 Items are needed ASAP or 30 Days After Receipt of Order (ARO) due to this being an urgent request due to safety requirements not being met.

5.4 Operation manuals for each system shall be provided.

5.5 Vendor shall provide demonstration of system capabilities and basic instruction on how to operate each system.

5.6 Vendor shall work with designated POC to demonstrate functionality of system (quality installation validation) to include but not limited to the following:

- All 1-way speakers functioning properly
- All 2-way speakers functioning properly (make calls and receive calls to/from base station(s))
- Check for 'dead zones' in announcement system to determine full coverage.
- Camera coverage and functionality
- Recording capabilities (general recording, long term storage of time segment of video (incident reporting), video transfer to external device)

6.0 DELIVERY LOCATION

6.1 DELIVERY ADDRESS/LOCATION

VRM-40 1st LT Officer
1025 Bellinger Blvd
Norfolk, VA 23511

Points of Contact:

TECHNICAL:
TBD

REQUESTOR/WAWF:
TBD

METHOD OF PAYMENT
Payment for this contract shall be made via DFAS Electronics Funds Transfer (EFT) utilizing the Wide Area Work Flow (WAWF) System. The contractor is required to register and setup an account in the WAWF System in order to receive payment. The Government reserves the right to change this payment method through other means only by a contract modification if necessary. Payment shall be Monthly in Arrears.

6.2 SPECIAL DELIVERY INSTRUCTIONS

Delivery must take place between the core business hours of 0700 –1530 (Norfolk, VA Local Time), Monday through Friday and shall not include after-hours, weekends, and holidays.

6.3 INSPECTION REQUIREMENTS

Squadron technical POCs will inspect the system in each area to ensure that it works as desired and there are no issues that require immediate correction.

6.4 QUALITY

The contractor shall provide the timely delivery of goods and services. Quality of all services and supplies provided shall conform at least to commercial standards in the relevant profession, trade, or field of endeavor. All services shall be performed by individuals fully qualified and licensed in their relevant area. Equipment installed shall be of new and current grade as offered by the manufacturer with latest software.

7.0 DEFENSE BIOMETRIC IDENTIFICATION SYSTEM (DBIDS)

Defense Biometric Identification System (DBIDS). The Defense Biometric Identification System (DBIDS) is a DoD-owned and operated system developed by Defense Manpower Data Center as a force protection program to manage personnel identity and access at DoD installations. DBIDS is a network database system designed to easily verify access authorization of personnel entering military installations by using barcodes and fingerprint biometric identifications.

To improve management and force protection at Navy installations, the Navy is transitioning from using the Navy Commercial Access Control System (NCACS) to the Defense Biometric Identification System (DBIDS) for Contractors and vendors requiring access to an installation at no cost to them. The transition will begin 17 April 2017 and individuals will have up to 180 days to obtain the permanent card. After August 14, 2017, NCACs cards will no longer be accepted.

In order to obtain base access, an individual needs to acquire DoD sponsorship, have a thorough identity check, be properly vetted, and have a legitimate reason for base access. Identity checks require a passport or a Real ID Act-compliant state driver's license. Vetting occurs when the individual's background and ID are compared against authoritative criminal justice data bases, and the individual has a letter or official document from the sponsoring organization which articulates the reason for access. When the above criteria are satisfactorily met, DBIDs credentials are issued.

NCACS cardholders will have 120 days from April 17, 2017 to obtain a temporary DBIDS paper pass. After the applicant obtains their DBIDS paper pass, they will have an additional 180 days to obtain an actual DBIDS card at no cost. Those requesting new access onto installations will receive the DBIDS card at the same time they are initially approved for access. After August 14, 2017, NCACS cards will no longer be accepted for installation access.

Additional information is available at https://www.cnic.navy.mil/om/dbids.html.