Statement of Objectives (SOO)

Building XXX Rm XX
Microsoft Teams Video Teleconferencing (VTC) System

1. Purpose

This Statement of Objective (SOO) outlines the requirements for the design, engineering, installation, and integration of a NIPR Microsoft Teams Video Teleconferencing (VTC) system. The expected result purchase and installation of a turnkey, state-of-the-art communication solution meeting DoD Cyber-security protocols while providing high-quality, reliable, and user-friendly audio-visual capabilities.

2. Background

To support critical operations and facilitate collaboration among internal and external stakeholders, a modernized, VTC system is required.

3. Scope

The scope of this project includes:

- **System Design & Engineering:** Development of a comprehensive Microsoft Teams VTC system for Room XXX, a 60' x 25' conference room in building XXX, Hill AFB UT. The system shall integrate with government-provided NIPR computer workstation. (see attached diagram)
- **Required Components**:
  - Wall-mounted camera capable of zoom/panning
  - Four (4) wall-mounted 75" monitors
  - Six (6) ceiling-mounted speakers
  - Four (4) ceiling-mounted microphones
- **Procurement:** Sourcing all necessary hardware, software, and licenses required to support the system.
- **Installation & Integration:** Physical installation, cabling, and seamless integration of all components into the NIPR network infrastructure that currently exists in room XXX.
- **Testing & Validation:** Security and performance testing to ensure the system operates as required.

- **Training & Documentation:** Delivery of user manuals, administrator documentation, and hands-on training for staff.

4. Key Objectives

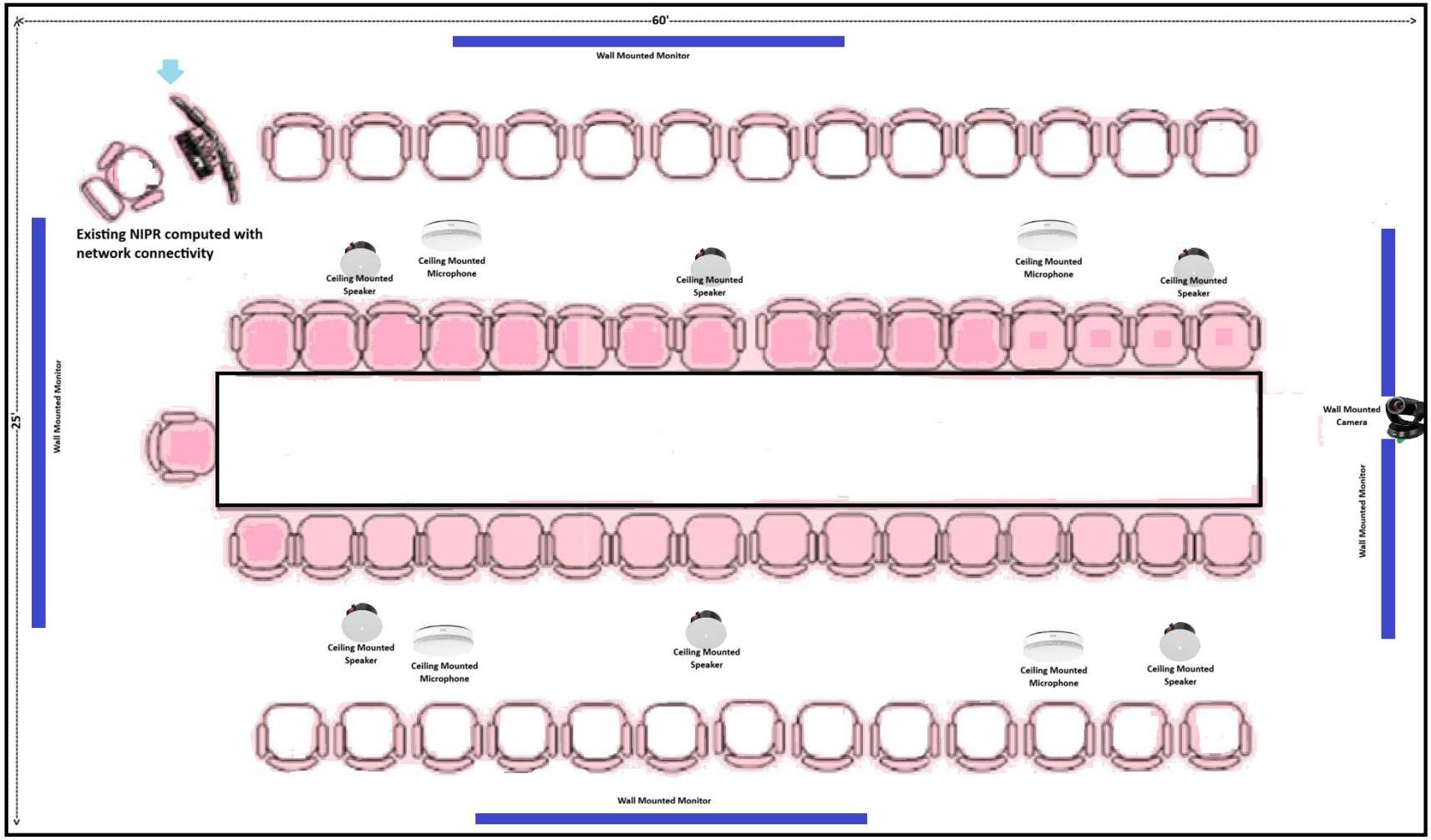
The contractor shall design and implement a system that achieves the following operational objectives:

- **Cybersecurity and Information Assurance**: Protect the system by implementing all applicable Risk Management Framework (RMF) security controls and hardening all hardware, software, and network components in strict accordance with relevant Defense Information Systems Agency (DISA) Security Technical Implementation Guides (STIGs) and Security Requirements Guides (SRGs) to maintain a robust, defensible, and compliant posture.
- **Exceptional Audio/Video Quality:** Deliver high-definition (HD) or 4K video resolution and clear, echo-free audio to ensure natural and effective communication.
- **Intuitive User Experience:** Provide a user-friendly control interface (e.g., touch panels) that allows personnel to easily initiate, manage, and terminate secure conferences.
- **Interoperability:** Ensure the system can seamlessly connect with standard secure VTC endpoints and bridges used by partner organizations, adhering to industry-standard protocols (e.g., SIP, H.323).
- **Scalability and Flexibility:** Design the architecture to allow for future expansion, software upgrades, and the addition of new endpoints without requiring a complete system overhaul.
- **Reliability:** Achieve a high-availability architecture, including robust error handling and rapid recovery mechanisms.

5. Security Requirements

Security is the paramount objective of this project. The system must natively support secure operations through:

- **Compliance:** Adherence to all relevant organizational, national, or defense-related security standards (e.g., FIPS 140-2/3 compliance, TEMPEST, DISA STIGs/SRGs, RMF security controls, etc.)
- **Access Control:** Strict authentication mechanisms for system administrators and end-users.


60'
25'
Wall Mounted Monitor
Existing NIPR computed with network connectivity
Ceiling Mounted Speaker
Ceiling Mounted Microphone
Ceiling Mounted Speaker
Ceiling Mounted Microphone
Ceiling Mounted Speaker
Wall Mounted Monitor
Wall Mounted Camera
Wall Mounted Monitor
Ceiling Mounted Speaker
Ceiling Mounted Microphone
Ceiling Mounted Speaker
Ceiling Mounted Microphone
Ceiling Mounted Speaker
Wall Mounted Monitor

6. Deliverables

The following high-level deliverables are expected upon project completion:

1. **Comprehensive System Design Document (SDD):** Including network topology, hardware schematics, and software configurations.
2. **Procured and Configured Hardware/Software:** Fully functional and securely configured VTC equipment installed on-site.
3. **Site Acceptance Test (SAT) Report:** Documentation proving the system passes all functional, performance, and security testing parameters.
4. **Operations and Maintenance (O&M) Manuals:** Detailed documentation for system administrators.
5. **Training Sessions:** Conducted for both end-users (basic operation) and technical staff (troubleshooting and maintenance).