PERFORMANCE WORK STATEMENT (PWS)
THE AIR FORCE JUDGE ADVOCATE GENERAL'S
AUDIO VISUAL INTEGRATION SYSTEM
CONSULTING AND RENOVATION SERVICES
LOS ANGELES SSC/JA
30 SEPTEMBER 2026

1.0 GENERAL INFORMATION:

The AF JAG Offices provide litigation services to wing commanders across the Air Force. Part of the litigation services provided is testimony in criminal/civil cases. In many cases a substantial cost savings can be achieved by utilizing collaborative technologies to allow remote testimony. This is not only a cost savings to the Air Force, in many cases is a mission savings as well, due to the fact a military member does not have to spend days traveling to testify and days traveling back to home station. In April 2022, DISA sunset their Global Video Services (GVS) and SAF/CN produced a memo stating Air Force units should be replacing VTC technology with capabilities that allow the integration of Teams. As a result, the JAG Corps has been implementing a strategic plan to carry out this implementation. The fourth phase of this strategic plan is retrofitting/ reconfiguring existing courtrooms to accommodate this capability and technology. Los Angeles Space Force Base (Courtroom) is a location with an existing integrated AV System in need of an upgrade/modification. In July 2024 AF JAG Corps sunset all VTC capabilities on NIPRNET. This sunsetting of VTC on NIPRNET and the outdated technology in the exiting courtroom are the driving factors of this requirement.

2.0 MISSION STATEMENT:

Increase capabilities, integrating in accordance with SAF/CN guidance while maintaining standardization to the existing video and audio hardware and software across the JAG Corps to the maximum extent possible, with modern Audio-Visual over Internet Protocol based system. The contractor shall review architectures for interoperability and where/if possible, assist the JAG Corps integrating new capabilities into existing design of AV Systems and business processes to accommodate utilizing existing hardware/software while integrating the capabilities to add Microsoft Teams Capability using existing input/output devices in rooms suites to connect to PC running Teams/Zoom (i.e. Camera, Speakers, Microphones, and display screens).

3.0 GENERAL SYSTEM REQUIREMENTS:

The contractor shall install and integrate all components, cables, etc. necessary to complete the installation and provide a turnkey solution in each of the locations. The installation is to include all accessories and appurtenances required to provide a complete and fully operational system in these locations. Any materials not specifically mentioned in these specifications but required for a finished and functional installation must be furnished and installed at no additional cost in these each location. All items not mentioned in this statement which are necessary, required, or appropriate for this work will be provided by the contractor to achieve a complete, stable, and safe operation in each location.

Components installed in the court rooms shall NOT be proprietary, and integration must be modularly engineered for easy replacement due to upgrade or failure.

The contractor shall be responsible for all required electrical requirements necessary to install these systems in the location.

In this location Audio/Visual equipment quality levels are defined as follows: **consumer,** which includes equipment aimed to the home market, **industrial** which is designed for mid-grade or small commercial use (church, boardroom, small auditoriums, etc.) and **professional or broadcast** which is designed for large scale theater/auditoriums or video production facilities. Professional equipment or better shall be provided for the video and audio components of this system. This project will require **professional and or broadcast** quality components where practical.

This document provides an equipment requirement for the courtroom location which requires AV integration support. **This list is by no means comprehensively complete**. It is intended to provide the contractor with a reasonable understanding of the scale or magnitude of this project. The contractor shall perform their own detailed site survey to confirm the actual hardware, cabling, software, power, and labor requirements needed to complete this project.

Unless specifically mention it is assumed the AV software code for the current existing system at a location is not available and not in the government's possession. All software coding should mirror and mimic the same standard as other JAG Corps locations. A sample can be provided to the contractor. This software standard enables drag and drop technology and simplicity to the user.

4 SPECIFIC SYSTEM REQUIREMENTS:

4.1 SSC/JA Courtroom, Los Angeles, CA

The 96th Air Base Wing Courtroom and Deliberation Room currently has no existing AV Integration. The requirement for this Courtroom is to install 3 new 65" Display Monitor Screens to replace the 3 existing screens where they are currently mounted. In addition, 4 new 27" 4K displays will be provided as confidence monitors/evidence display monitors on the both counsel tables, judges bench and podium. The system will allow for source/content presentation capability from 5 locations. Those locations include two at the podium, one at each of the counsel tables, and the finale location will be determined by the customer at installation. Each of the presentation locations should also include not only output to the AV system from a computer source for video and audio, but also include an input source from the system for camera an microphone for things such as Teams, Zoom, etc via USB. The location will also include installing two new Vaddio RoboSHOT 12E cameras for capturing the vantage points of the room for MS Teams meetings. A Vaddio Speaker view controller will be provided to support speaker video capture. Video signaling will be converted to connect to the PC that is selected through the control panel as the USB host for the MS Team Meeting. Contractor will install a new BiAmp Tesira X800 audio Digital Signal Processor (DSP) to manage and control room audio. This DSP needs to be paired with 2 new Shure MXA920R-R ceiling microphone arrays to capture audio during court proceedings. All audio playback will be provided through the existing customer-provided ceiling speakers already installed within the room. During collaborative MS Teams calls the room audio system will use ceiling microphones and speakers using the connected PC that is selected as the USB host for the

Teams Call. System will provide audio feed from AV System to Court reporting Eclipse equipment via valid input source accepted by the eclipse equipment. All equipment will be housed in the existing equipment rack in its current location within the room.

Suggested Materials needed to Accomplish Task (List is not all inclusive)

Qty	Manufacturer	Model #	Description
3	LG	65PK340S0UB	65” 3840 x 2160 UHD Commercial Lite LED backlit LCD TV – Black
4	LG	27US500-W	27 Inch UltraFine 4K UHD HDR10 IPS Monitor
1	Netgear	GSM4248PX-TAANAS	40-Port Gigabit PoE+ Compliant Managed AV Switch with SFP+ (960W, TAA-Compliant)
4	Wearson	WS-03A	Adjustable LCD TV Stand Folding Metal Monitor Desk Stand with VESA Hole 75x75mm& 100x100mm
2	Vaddio	999-99600-100W	RoboSHOIT 12E HDBT OneLINK HDMI System
1	Vaddio	999-73000-000	SpeakerVIEW Controller
1	Vaddio	999-8250-000	AV Bridge 2x1
2	Shure	MXA920W-R	Microflex Advance Round Ceiling Microphone Array (White)
2	Shure	A900-CM	Ceiling Mount for MXA902, MXA910, and MXA920 Microphones
1	Biamp	TesiraFORTE X800	Meeting Room DSP with 4 integrated POE+ Ports. AVB & Dante, 2x2 analog I/O, Stereo USB and 8 channels of AEC. Includes Biamp Launch automatic discovery and tuning
5	Crestron	DM-NVX-E30	DM NVX 4K60 4:4:4 HDR Network AV Encoder
10	Crestron	DM-NVX-D30	DM NVX 4K60 4:4:4 HDR Network AV Decoder
3	Crestron	DM-NUX-L2-1G-B	DM NUX USB over Network Wall Plate with Routing, Local, Black
1	Crestron	DM-NUX-R2-1G-B	DM NUX USB over Network Wall Plate with Routing, Remote, Black
1	Crestron	CP4	4-Series Control System
2	Crestron	TS-1070-GV-B-S	10.1 in. Tabletop Touch Screen, Government Version, Black Smooth

The following assumptions are considered**:**

- Rough Site Drawing and pictures of equipment for location are shown at Appendix A. No existing Source Code exists for this location. Network Diagrams for this site are not available. Scheduling a site visit is available by appointment through contacting Kevin Beacom at 334-953-7948 or via e-mail at kevin.beacom.1@us.af.mil.

6.0 MISCELLANEOUS REQUIREMENTS

Provide and install all wiring, connectors and hardware required to complete this project. All wiring shall be installed in a neat and professional manner as per local and federal codes. Plastic tie-wraps will be used to secure cabling. All cables shall be labeled with source/destination at both ends with machine made labels. Cable numbers can be used only if a master cable index is provided in both hard copy and electronic format.

Provide copies of all software code used to program the control system to HQ USAF/JAS & SSC/JA. This shall include both a copy of the compiled and the original source codes.

At the conclusion of the project, the project site should be professional looking and safe. Requirements include plugging holes and concealing all cabling.

Provide HQ USAF/JAS &SSC/JA with complete system drawings in AutoCAD, VidCAD or Visio format. Drawings to be provided in both hard copy and computer disk format. Drawings shall be detailed and comprehensive.

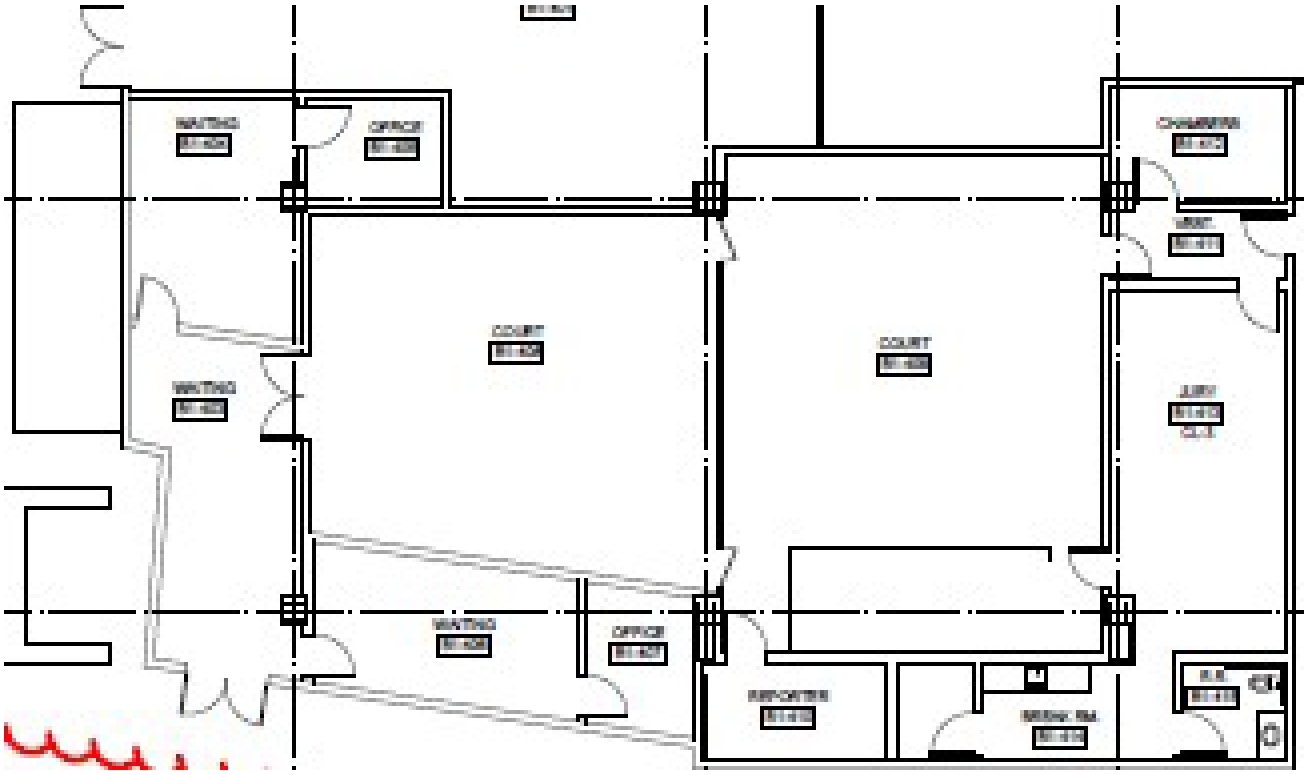
Provide all books, CDs, DVDs, manuals, and other documentation on all equipment installed, consolidated into organized reference binders. Provide sufficient training to AF personnel to allow them to proficiently operate the new system.

Provide installation and equipment support during the first year after the project is complete and 4 following years of support for a total of 5 years' support/maintenance. Support shall include 24-hour turn-around time for maintenance issues. Thereafter, contractor shall provide full warranty support for as long as equipment is under manufacturer's warranty. The contractors' full warranty support shall include removing and replacing equipment, providing loaner equipment, and/or making temporary modifications necessary to keep the system operational.

All new cabling shall be compliant with a Plenum Environment for the heating, ventilation, air conditioning system (HVAC).

Type and quality of equipment shall be included with the proposal as it will also be evaluated along with the layout and placement of the equipment.

APPENDIX A
SSC/JA Courtroom Los Angeles AFB, CA



EXIT

SPACE

FURMAN
PRIMARY LINK
SECONDARY LINK
ETHERNET
DELAY 1
DELAY 2
DELAY 3
SN 02845153600430
POWER
PROTECTION OK
EXTREME VOLTAGE
UNSWITCHED
15 AMPS
REMOTE
PUSH TO RESET
Extron
INPUT
OUTPUTS
SN A1DUC5M
DTP HD DA8 SERIES
3 SERIES
ADVANCED CONTROL PROCESSOR
CRESTRON
SN 15609000
AV3
HDTV Tuner
HIGH DEFINITION DIGITAL MEDIA DISTRIBUTION
HDMI
4K@60Hz
SN 15472006
DM MODES
crown
CY875
APC
Smart-UPS