

**Audio-Visual System and Services (RFP#: BLR-240001)
Summary of Response to RFP**

Evaluation Criteria:

<p>Directly Related Experience:</p>	<ul style="list-style-type: none"> • Entercom <ul style="list-style-type: none"> ○ Installed 45 Conference Spaces and Videowall ○ Value: \$2.4 Million ○ Paul Donovan ○ Paul.Donovan@audacy.com ○ By Request Only • Amazon <ul style="list-style-type: none"> ○ Installed Conference Rooms, Executive Rooms and Training Rooms. Technology included Cisco Video and ○ Crestron Control Systems ○ Value: \$3.0 Million + ○ Owen McClain ○ Omclain@amazon.com ○ (650) 428-1782 • University of Arkansas Fort Smith <ul style="list-style-type: none"> ○ Upgraded classrooms campus-wide. ○ Value: \$1.0 Million + ○ Cheryl Davis ○ Cheryl.davis@uafs.edu ○ (479) 788-7459 <p><i>See pp. 75-80 of proposal, for Similar Projects</i></p>
<p>Price:</p>	<p><u>Total Max Bid:</u> \$1,852,949.95</p> <p><i>See attached Official Proposal Price Sheet and Price Comparison Table.</i></p>
<p>Plan/Schedule:</p>	<p><u>Plan:</u></p> <p><i>See Detailed Plan, pp. 30-31 of proposal. See also Scope of Work pp. 32-44 of proposal, for additional plan details.</i></p> <p><u>Schedule:</u></p>

AVI-SPL (Cont'd)

	Timeframe pg. 51 – Shows Vendor will begin work in April and will run until mid-December.
Availability:	Example: No Arkansas office, planning to utilize Oklahoma City team.
Personnel:	<ul style="list-style-type: none"> • <i>See Key Personnel Resumes/Short Bio's, p. 18 of proposal for details.</i> <ul style="list-style-type: none"> ○ Mike Jarnagin <ul style="list-style-type: none"> ▪ Role: Senior Design Engineer ○ Ryan Walters <ul style="list-style-type: none"> ▪ Role: Project Manager ○ Roger Holder <ul style="list-style-type: none"> ▪ Role: Commissioning Specialist ○ Eli Flores <ul style="list-style-type: none"> ▪ Role: Installation Manager ○ Bill Boyd <ul style="list-style-type: none"> ▪ Role: Installation Technician 1 ○ Cody Privete <ul style="list-style-type: none"> ▪ Role: Installation Technician 2 ○ Harley Griffin <ul style="list-style-type: none"> ▪ Role: Installation Technician 3
Past Performance:	<ul style="list-style-type: none"> • <i>Example See References, pp. 74 of proposal.</i>
Compliance with RFP Requirements:	<i>See Attached Checklist.</i>
Subcontractors:	Price noted, but None listed.

AVI-SPL

Name and Title of Reference	Time of Contact	What has been your experience with their support? Were they able to get on-site in a reasonably quick timeframe?	Are you happy with the solution provided? Is there anything you would change?	How long did it take your staff to become proficient in using the solution? Were you pleased with the training provided?	How easy are they to work with, are they flexible and open to change when/if problems arise?	In regards to the project implementation, did they meet all project milestones on time? Were there any impacts to other business operations?	Is there anything that you feel we should know before utilizing them as a solution provider?	Additional Information
Cheryl Davis Manager, Customer Support Information Technology Services University of Arkansas - Fort Smith	Original Email sent: 4/09/2024 4:14pm Follow-up sent: 4/11/2024 12:45pm Response received: 4/11/2024 3:22pm	We have not used support after the installs were completed. During the project if we found any issues they were quick to look into them.	We were pleased with the installation. We laid out our expectations for how we wanted cables to be run, etc. If that wasn't followed for some reason they would redo it at our request. We would/did change some of the Craxton programs that they left. Our PC Tech who does our Craxton programming preferred them some differently.	We didn't take anytime to become proficient because it was mostly Craxton and equipment that we already used. Yes, the training that we were given was good.	We found them to be easy to work with. They were flexible to making changes we requested. When we found some issues after the install they corrected those things before they closed out the project.	Yes, they met all of the milestones. There was issues getting equipment, but that wasn't their fault. It was due to supply chain issues. They did make some adjustments to the plans due to the long delay in getting some items, but everything did end up as expected. We had to work around issues and meetings in rooms. They were easy to work with on getting things scheduled.	We would recommend AVI and are using them again for an auditorium upgrade that we are doing.	
Paul Donovan Auditory in Contract with Entarcom	Original Email sent: 4/09/2024 4:14pm Follow-up Email sent: 4/11/2024 12:45pm 2nd Follow-up Email sent: 4/15/2024 3:37pm 3rd Follow-up Email sent: 4/16/2024 1:45pm Response received: 4/16/2024 4:51pm No Phone Number Listed	Our experience with AVI-SPL has been amazing. Response is timely with knowledgeable service techs.	We had some unusual expectations and they were up to the challenge. They have been a valued partner from installation until today.	Yes, we have been very satisfied with the training.	Very easy to work with and flexible with our changing requirements.	They not only met their milestones on time but were able to adapt to timeline expectations that were compressed.	Although our system is a custom solution designed by AVI-SPL (via The Startart Group), AVI-SPL handled the entire integration. Working with AVI-SPL, I have full confidence that they could also be quite effective as a single source solution.	Although not mentioned in the survey response, they helped us with a custom designed video wall of monitors in our large conference room. Although the back office stuff is a bit complicated, the wall functionality is quite amazing. You can select any city / market where we operate and listen to any of our radio stations. We also have an overhead video display in our main lobby, which is three sided. It runs continuous videos of events from our various locations. I could write a small novel about the project and our timeline challenges related to construction delays (not related to AVI-SPL). They adapted to the compressed timeline and met our Open House deadline. They worked with us in the months to follow and have been a valued partner ever since.
Owein McClain No Title Given, Amazon	Original Email sent: 4/09/2024 4:14pm Follow-up sent: 4/11/2024 12:45pm Phone Call 4/15/2024 2:30pm Bad Number 2nd Follow-up Email sent: 4/15/2024 2:37pm 3rd Follow-up Email sent: 4/16/2024 1:45pm 4th Follow-up Email sent: 4/16/2024 11:45pm Response received: Not Received							

Questions for AVI-SPL / Response to Questions by AVI-SPL

1. As the RFP states, does your submitted quote pricing cover the support of the solution for 3 years?

AVI-SPL: AVI-SPL has found mention of the support for 3 years in RFP BLR-240001. 1.16 – Type of Contract:

“This will be a term contract commencing on the date of approval by the Legislative Council, and terminating on June 30, 2027, with an option for renewal of one (1) year terms thereafter. The Subcommittee and the BLR will have the option to renegotiate at the time of renewal.”

Although we are very careful to meet all the requirements of the proposal request, we have only provided one (1) year for the term of the contract, not three (3) years.

Question: Do you want AVI-SPL to provide a proposal with the three (3) year term?

AVI-SPL is holding the pricing validity for 180 days from the proposal opening date, as requested.

2. If there is a critical issue with the solution, how quickly can you guarantee to be onsite?

AVI-SPL employs its nearest Project Engineer in Tulsa, OK (4 hours away). AVI-SPL employs its nearest Programmer in St. Louis (5.5 hours away).

AVI-SPL has an award-winning Service Group, which works with very large corporations to manage and escalate service as required by a Services Agreement.

After the initial contact, via phone or email, the response would be within 24 hours, normally.

If a Committee Meeting is imminent, there is probably no way to get anyone to the site, where it will not interrupt the meeting. A response, from the time of the initial call or email to the arrangement of an onsite visit would likely take around four (4) hours. That is just the scheduling of the onsite visit, which does not include the clearing of the person's schedule, traveling to Little Rock, AR. This same amount of initial response time would still apply to a company directly located in Little Rock, AR. It is not typical for any company to immediately end its scheduled work, to respond to another customer at a moment's notice.

AV systems are not placed at the same response category as life-safety systems (nurse-call, fire alarm, etc). Which would be a response within a certain number of hours. An expectation should be realized for a reasonable response of a day to a few days after the initial contact/service request for AV systems.

However, for the best and shortest response, AVI-SPL has provided onsite deployments of AVI-SPL employees, embedded within our customers' organizations. This is very commonplace with our Fortune 100 corporate customers. AVI-SPL has the intent to discuss this "OMS" opportunity with the BLR, planning that discussion during an interview. This Q&A document is also a good place to start the discussion about the OMS services option.

Based on the following criteria, AVI-SPL could deploy a Level 2 OMS technician, which would be a "video production specialist".

Project Info:

State of Arkansas, Bureau of Legislative Research

(Qty 2) Committee Rooms/AV Systems for Meetings with advanced (Televic) discussion mic system

Presentation/Conference AV Systems

Video Production Control Room

Request for a skilled tech to operate a control room with sophisticated video production switching and digital audio mixing.

One (1) hour would mean a potential interruption or end of a scheduled meeting. However, that would be for a catastrophic scenario.

There are numerous systems at work for this project. As AV systems have become dependent on network infrastructure, the primary problem would be the failure of a network switch. Or an issue where there has been an intermittent AC power outage (spike, surge, blackout, or brownout).

The AVI-SPL design works to mitigate the AC power outage issues by deploying UPS/AC power backup devices, in the AV equipment Rack Rooms, to minimize the quick, intermittent power spikes which cause AV processors to act incorrectly and potentially trigger a service call. The best way to keep the AV processors in the healthiest condition is to keep the AC power constant/consistent. If the AV systems Rack Rooms or IT Rack Rooms are backed up by a building generator, then the provided UPS devices remain operational for a few seconds for the building power to transfer to the generator. If there is a long-term power outage, it is likely a Committee Meeting would end quickly as the Committee members would be uncomfortable, sitting in the dark. Or there is a much more critical weather or other natural event, requiring the Committee members to move from the Committee Room(s).

The AVI-SPL design works to mitigate failures of the digital audio distribution backbone, referred to as Dante. Where most critical, the AVI-SPL design utilizes two (2) identical multi-directional data flows for Dante, referred to as the “Dante Primary” and the “Dante Secondary”. The Dante Primary and Dante Secondary flows reside on two (2) separate network switch systems. Thus, if we lose a network switch on the Dante Primary (the main data flow), the devices using Dante will automatically switch to the use of Dante Secondary network. The switchover is instantaneous, requires no start-up time, and might be best described as a brief muting of the audio during the switchover.

The AVI-SPL design provides a separation of the AV systems data network (AV NET) to be privatized and not operate on or be tied to the existing building or BLR networks. The best way to mitigate issues is to manage normal security updates, patches, etc., specifically for the AV systems data network. Global network updates, if all the AV equipment were on the existing networks, would likely result in a service call. As these global network updates cause AV devices to stop functioning.

The AVI-SPL design provides for a complete and separate fiber optic and network switch infrastructure for any BLR computers/devices requiring connections for streaming or UC meetings, which require a connection to the Internet.

The area beyond the control of AVI-SPL or the BLR would be the use of BYOD devices for UC calls (Microsoft Teams, Zoom, etc.). This is due to the reliance on someone’s personal device, where that device’s condition is completely unknown. Also, as a regular occurrence, which cannot be controlled by any end-user, the BLR or AVI-SPL, are the consistent updates taking place, with no notice by Microsoft, Zoom and other UC platforms of the changes. Which leaves most of us ignorant of the changes until we make the UC call connection. Noticing that the meeting desktop we are used to has totally changed.

3. Does the solution you proposed have the potential for being phased strategically and/or having the existing and new solutions run in parallel? We have been informed that both Committee Rooms will be available to implement from June 24th, 2024 to August 9th, 2024.

AVI-SPL: It would likely be easier to leave the existing in-room video and audio equipment in working condition, install the new video equipment (PTZ cameras/IP over AV endpoints), then cut over to the new video and audio systems for Committee Rooms A and B, where most of the equipment swap is taking place at the Equipment Rack Rooms. During that cutover time, the Control Room would have to be reconstructed.

The Control Room is a space, when the cutover is started, will be non-reversible and will have to be completed to a level of 100%, for each of the two (2) Control Room systems.

The Discussion Microphone System (Televic) utilizes a network-based infrastructure. The existing Taiden system uses a proprietary multipin infrastructure. Once the process of the Taiden removal is started, the Taiden will no longer function, as AVI-SPL will be using existing the Taiden cabling as pull-cables for the new cables of the Televic system. The replacement of the Discussion Microphone System represents the most invasive and non-reversible part of the project.

*It is probably not prudent to take both Committee Rooms out of operation at the same time.

- a. Does this window allow for a complete installation of the new solution and removal of existing? Please explain in detail.
- b. If not, could the new solution implementation schedule honor being able to work around our monthly ALC meetings scheduled for these two rooms (a phased approach)? Our monthly ALC meetings take place on the 3rd week of each month and would need the Committee Rooms to be in working, presentable order. Please explain in detail.

AVI-SPL: There is no doubt that a phased approach will be critical. A very smart schedule will be required. We believe all new integration should take place first. Without affecting the existing systems. That means all existing systems remain in current working order, until we get to a scheduled "point-of-no-return".

During the onsite meeting, the discussion included the use of the Committee Rooms for 21 weeks of all-day meetings. As we understand, based on the BLR questions in this document, the 21 weeks are not consecutive, where we will have 31 consecutive weeks of down-time.

Please think of this installation as the building of a very high-performance, one-of-a-kind, racing car. There are many systems required to provide peak performance and move the car down the track for hundreds of miles, with the help of a very skilled driver and maintenance team.

To help AVI-SPL be the best partner for a very complex installation, with short timeframes and monthly interruptions to the installation process, please provide a very detailed and blocked calendar, showing what days/hours are impossible for work in the Committee Rooms. (The monthly meetings, etc). The blocked calendar should include dates until the end of 2024. As a team with a realistic installation approach, we should account for additions of days to the project schedule. Where we might not be able to work in the Committee Rooms consistently, we will have other spaces to complete for the project. Around the Committee Rooms schedule.

Upon delivery of the detailed calendar, with an accurate start date on the calendar, AVI-SPL will create a GAANT chart to help map out the total number of project hours against the calendar.

By design, AVI-SPL has utilized OFE/existing equipment, where practical, to keep the change impact as low as possible. We are utilizing OFE/existing equipment in the following ways:

- 1) Existing ceiling speakers: The existing speakers make/models are still current. Unless there has been a large-scale event to destroy the existing speakers, they should be good for reuse. We have included time to re-tap the speakers and make minimal adjustments to the speakers within the Committee Rooms. Adding more labor to replace, remove or add additional speakers would not be a positive addition to an extremely tight installation schedule. AVI-SPL believes the speakers and their locations are not the primary problem in the Committee Rooms.

The main issue is how the speakers are zoned, how they are powered by the amplifiers and how they are being controlled from the existing audio DSP's. All those adjustments are mostly confined to the Rack Rooms for Committee Rooms A & B.

- 2) Existing wireless microphone systems: The existing Shure wireless microphone systems are functional. AVI-SPL believes that the addition of an antenna combiner between the wireless microphone receivers (3 in Committee Room A, 2 in Committee Room B) will optimize the performance of the existing wireless microphones.
- 3) Existing wireless FM Assistive Listening system (ALS): From the onsite meeting, it was clear that the existing ALS system is problematic. The existing Listen Technologies system is used regularly in very large venues, with no specific performance issues. AVI-SPL believes that better deployment and adjustment of the existing Listen Technologies system, with the remoting of antennas inside each Committee Room, can correct the ongoing performance issues. The update and adjustments to the existing ALS system are part of the plan to keep from adding additional hours of labor, which should help with the short or interrupted timelines for this project.
- 4) Existing displays and video distribution systems: The existing displays are already 16:9 aspect ratio devices, operating at an HD video resolution. If the displays are functioning properly, they would require no additional work, which would have a very minimal impact on the project timeline, as AVI-SPL would be doing no major work to the displays. If it is determined a few displays have issues, that would be easier to manage than any full-scale replacement of the displays. The Extron video distribution systems are still current models. Access to the Extron equipment will be within the existing Rack Rooms for Committee Rooms A & B.
 - c. If the solution is phased, what is your proposed start and finish timeline for the project, taking this information into account? Please explain in detail.

AVI-SPL: The AVI-SPL design solution will be a phased scenario.

- Goal 1** – Build the Control Room equipment rack and initial network switch configuration at a remote AVI-SPL location.
- Goal 2** – Installation of the network fiber infrastructure with full testing, to ensure proper operation.
- Goal 3** – At minimum, temporary installation of the SFP's and switches, to ensure proper operation of the AV NET before the addition of the AV equipment.
- Goal 4** – Preparation of cutover plans for both Committee Rooms.
- Goal 5** – Deliver the Control Room equipment rack to Little Rock, prep the equipment rack and connect to the AV NET.
- Goal 6** – Cutover of the first Committee Room and Cutover of its one (1) Control Room area.
- Goal 7** – Cutover of the Member/Staff areas related to the first Committee Room cutover.
- Goal 8** – Cutover of the second Committee Room and Cutover of the second Control Room area.
- Goal 9** – Cutover of the Member/Staff areas related to the second Committee Room cutover.
- *NOTE:** The Committee Rooms cutover should not happen simultaneously. Taking both rooms out of operation would not be desirable. However, they will need to be installed together, one after the other. The Televic Discussion Microphone Systems and the Vizrt/Newtek video production switcher systems will have manufacturer professionals onsite, for commissioning and training, which is currently required to be one (1) event.
- Goal 10** – Onsite commissioning and training by Televic and Vizrt/Newtek.
- *NOTE:** A temporary installation of one (1) room for Televic could be required as the two (2) Committee Rooms have combining capabilities, where Committee Room B, would be an overflow room for Committee Room A.
- Goal 11** – Minimal operation of one (1) Committee Room, presentation-only.
- Goal 12** – Minimal operation of one (1) Committee Room, presentation-only.
- Goal 13** – Full operation of one (1) Committee Room; presentation and UC calls.
- Goal 14** – Full operation of one (1) Committee Room; presentation and UC calls.
- Goal 15** – Installation and full operation of the Committee Rooms Lobby. (This will be a complete, start-to-finish project).
- Goal 16** – Installation of Members Hall Conference Room A – Small (This will be a complete, start-to-finish project).
- Goal 17** – Installation of Members Hall Conference Room B – Large (This will be a complete, start-to-finish project).
- Goal 18** – Installation of infrastructure and audio system(s) for the 4th Floor Representatives offices and Commons area. (This will be a complete, start-to-finish project).

4. The quoted solution was designed based off a closet location to place your equipment for Committee Room A and another dedicated for Committee Room B. If we were able to provide a new location behind the Committee

Rooms that would support the equipment for both Committee Rooms in the same closet compared to the use of the existing two closets, please answer the following.

- a. If we were to utilize the two existing closets as quoted, could you start to implement your new solution while also potentially keeping portions of the existing solution in working order if a phased approach is determined to be necessary to have the Committee Rooms up for an ALC meeting?

AVI-SPL: By design, AVI-SPL is making every attempt to keep the existing speakers, wireless microphones, wireless ALS systems and displays undisturbed in the Committee Room(s). The design provides for a final cutover. The cutover is the point-of-no-return. To have a successful cutover, it is critical for all the new network devices to be in place and tested, prior to the cutover. All the fiber pulls, terminations and testing should take place first. Since the fiber infrastructure is new, it would be installed and have no impact on any existing system function.

Keeping the cutover located to the AV Rack Rooms is the most desirable scenario.

- b. If we were to provide you with a new combined closet location for you to place the new equipment for Committee Rooms A/B, please answer the following.
 - i. Your cabling would now come back to one closet location instead of two. This will not change the lengths of cabling quoted greatly, but how do you see this impacting your quoted solution?
 - ii. You can combine your quoted equipment into this one space, can you provide what the rough footprint measurements the racks would require? Can you also provide the required power needs of your solution in this closet location, that we will provide?

AVI-SPL: Since the design utilizes OFE equipment for the two (2) Committee Rooms, that equipment is located within two (2) equipment racks per each of the Committee Rack Rooms. That means a total of four (4) equipment racks would be consolidated.

As realized, the current AV Rack Rooms are very small and unfriendly to any proper AV design. Most equipment racks are a minimum of 24 inches wide x 27 inches deep. The footprint of four (4) equipment racks would be 96 inches wide by a minimum of 27 inches deep. A quick measurement of the existing BLR racks will show the required depth, based on the current design plans to reuse the OFE/existing equipment racks.

Generally, at minimum, there should be a clearance of at least 24 inches on every side of the equipment rack complex, with a preferred minimum of 36 inches behind the equipment racks.

Although it is difficult to speak to the exact AC power requirements at this moment, it would be safe to plan for every existing electrical circuit, for each existing rack room, to be moved and consolidated to the one (1) new rack room.

- iii. Please provide any additional information, questions, or changes that this type of consolidation might present or need to be answered by us.

AVI-SPL: The AVI-SPL design relies heavily on the use of the existing AV equipment racks and their current Rack Room locations. That would include any existing conduit pathways in use, both below floor and above the ceilings of the Committee Rooms. The current AV Rack Rooms are finished, with conduit in place. A new, consolidated rack room would have to be completed prior to any AV work to place the equipment racks, pull cable, and connect the equipment racks to the rest of the AV systems.

Question 1: How would BLR provide conduit pathways from the existing Rack Room locations to a new, consolidated Rack Room?

Question 2: Will the consolidation to a new Rack Room create extended cable lengths (typically more than 100 meters/325 feet), which would not allow the AV systems or AV network systems to function correctly?

Question 3: Will some type of smaller transition equipment rack still be required in the existing Committee Rack Rooms, to transition the equipment to the new, consolidated Rack Room?

Question 4: Will the consolidation of the equipment racks to one Rack Room require specific/special cooling, causing the need for additional electrical services/equipment and elevated power requirements, possibly including generator connections?

Question 5: Will the consolidation of the equipment racks to one Rack Room require specific/special cooling, causing the need for additional plumbing services/equipment (for an AC condensate line) for an in-row cooler or a mini-split unit?

Question 6: If the answer is “yes” to Questions 4 and/or 5, what is the expected timeframe for additional electrical and plumbing work to be completed, before the AV team can access the new Rack Room and install AV equipment?

Question 7: If a new, consolidated Rack Room is built, what is the expected timeframe for that work to be completed and the space be 100% dust-free (finished paint on walls, finished floors, and ceilings), before the AV team can access the new Rack Room and install the AV equipment?

- iv. Note: The existing quote has networking equipment and fiber going from the main MDF to each IDF location. If the Committee Rooms A/B closets are consolidated into one, we would like to still have the networking and fiber dedicated to each rooms equipment, therefore this does not change the network and/or fiber design. This does not introduce a change in architecture, just consolidation into a single closet while still maintaining management of each room within this single closet.

AVI-SPL: We agree. There would still be a requirement for the total number of network ports for the AV systems. That number of ports would not change. That means the number of network switches, wherever physically located, would remain the same.

5. If you do not have a licensed electrician on your staff, who do you plan to subcontract the high voltage electrical work to for the couple of electrical needs mentioned in the RFP?

AVI-SPL: The high-voltage electrical work required for the Committee Rooms update will be provided by Staley Electric. Staley Electric is an award-winning commercial contractor, which started operations in Little Rock in 1951. The use of Staley Electric is based on the RFP requests, addenda, and responses to RFI questions by the BLR. The AVI-SPL scope of work describes where high-voltage electrical services will be utilized.

Committee Room A	Committee Room B	Conference Room A	Conference Room B	Control room A	Control room B	Lobby/Members/ 4th flr	Networking	Additional Requirements
Zoom/teams Compatibility	Zoom/teams Compatibility	Wall mounted touch/interactive display of at least 65" for conferencing.	Wall mounted touch/interactive display of at least 75" for conferencing.	Tricaster 2 Elite Production System	Tricaster 1 Pro Production System	4 displays (2 for A, 2 for B)	Vendor to Provide at least 10GB single-mode fiber backbone between any distributed AV network equipment located in separate network closets	Documentation on all installed equipment and solutions
Ability to Zone audio for members and audience	Ability to Zone audio for members and audience	Wall mounted, all in one, touch/interactive display with Zoom/Teams conferencing abilities, as well as the ability to switch between meeting feeds from Committee Rooms A and B	Smart panel functionality, with the ability to interact and control the conferencing technologies in the room. Smart panel also needs the ability to work with both Zoom and Teams.	Tricaster Flex Dual Control Panel/ 2Stripe	Tricaster Flex Control Panel	Ceiling mounted Speakers for lobby	Vendor shall utilize single-mode fiber to any location and/or equipment that requires and/or is recommended for proposed audio/video solution with spare fiber pairs for future use.	Wiring schematics/drawings of installed solutions
Ability to control each zone Independently	Ability to control each zone Independently	Audio speakers to be installed to provide sound from room inputs and video conferencing participants, can be sound bar style.	Audio speakers to be installed to provide sound from room inputs and video conferencing participants.	Two (2), 4K 50-inch Multiview Monitors in Control Room	Two (2), 4K 50-inch Multiview Monitors in Control Room	Room selection for displays and volume controls for front lobby area zones shall be located behind the receptionist desk.	Vendor shall provide Cat6 copper cabling where required for proposed audio/video solution equipment.	Training for BLR Staff on new equipment, settings, troubleshooting;
Ability to take input from outside source for room playback	Ability to take input from outside source for room playback	HDMI and USB-C connectivity with the ability to switch between inputs for AV in each room.	HDMI and USB-C connectivity with the ability to switch between inputs for AV in each room.	Live Call Connect for Zoom/Teams video conferencing capabilities	Live Call Connect for Zoom/Teams video conferencing capabilities	Ceiling mounted Speakers for Member/staff hallway with controls	Vendor shall terminate, label, and test all fiber pairs in fiber enclosures/LIU's, rack mounted in network closets and/or wall mounted if fiber is located outside of a network closet location.	Services of a licensed electrician on the Successful Vendor's staff or a subcontractor, with same day support;
Ceiling mounted displays	Ceiling mounted displays	At room conference table, install 110 power/AV connection box and components.	At room conference table, replace 110 power/AV connection box and components.	Queue management/monitoring in Control Room	Queue management/monitoring in Control Room	Ceiling mounted Speakers for Meeting rooms with controls	Vendor shall provide the appropriate fiber jumpers as required for the proposed audio/video solution.	Support for installed equipment (response time SLA, onsite, NBD replacement);
Updated Displays for viewing presentation/video call participants	Updated Displays for viewing presentation/video call participants	Video camera capable of picking up all participants in the room with active participant/auto tracking capabilities.	Video camera capable of picking up all participants in the room with active participant/auto tracking capabilities.	Expandable storage solution for stream archive purposes		Ceiling mounted Speakers for Conference rooms with controls	Vendor shall terminate, label, and test all Cat6 cabling that is installed for proposed audio/video solution onto rack mounted patch panels in network closets and face plates in the field locations.	Detail on how quickly support can be on site to access the problem and provide a solution.
HDMI and/or USB C Connection at witness desk	HDMI and/or USB C Connection at witness desk	Microphone solution capable of easily picking up all participants in the room.	Microphone solution capable of easily picking up all participants in the room.	Touch monitor for Live Panel with macros for fast switching	Touch monitor for Live Panel with macros for fast switching	Ceiling mounted Speakers for Member Lounge with controls	Vendor shall provide BLR with structured cabling schematic of audio/video solution after installation.	Demo existing equipment
HDMI and/or USB C Connection at Chairperson's desk	HDMI and/or USB C Connection at Chairperson's desk	Possible Wireless Solution due to size	Verification of power and data needs at conference room table.	27in monitor for control interface	27in monitor for control interface	Wall Mounted displays in Member lounge w/ Controls	Vendor shall provide all required Cat6 patch cables where needed.	
HDMI and/or USB C Connection at Support Staff desk	HDMI and/or USB C Connection at Support Staff desk			Audio monitors	Audio monitors	Wall Mounted displays in ALC Chair's office w/ Controls	Vendor shall provide all required audio and video cabling	
Overhead Speaker Replacement	Overhead Speaker Replacement			headphones	headphones	4th floor office connectivity for 63 offices to view A&B meetings w/room selection	Vendor to provide all L2 and L3 network equipment required to interconnect proposed audio/video solution. Vendor will work with BLR Information Systems Network Team on addressing schemes and other network related configurations.	
Updated Telecoil system	Updated Telecoil system						Vendor to provide all fiber transceivers required for proposed audio/video solution.	
Network connected Audio Recorder for committee analysts	Network connected Audio Recorder for committee analysts						Vendor to provide all required audio/video equipment to control rooms, audio volume, inputs/outputs, zones, and any additional equipment for solution.	
Queue management/ monitoring from chair's desk	Queue management/ monitoring from chair's desk							
Queue management/ monitoring from Analyst's desk	Queue management/ monitoring from Analyst's desk							
at least 22" gooseneck microphone at witness table	at least 22" gooseneck microphone at witness table							
Replace 110 power/AV connection box and components	Replace 110 power/AV connection box and components							
94 Request to talk Mic	33 Request to talk Mic							
Room Mic	Room Mic							
Ten 4K PTZ Cameras with full NDI Connectivity	Eight 4K PTZ Cameras with full NDI Connectivity							



Audiovisual Proposal

Prepared for State of Arkansas



AVI-SPL LLC

1000 Cornell Parkway Suite 200
Oklahoma City, OK 73108
(800) 882-7779

Prepared By:

Greg Maniss
Greg.Maniss@avispl.com
(913) 543-7219

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Executive Summary

After careful and deliberate consideration of your requirements, we are pleased to provide the following audiovisual solutions scope of work. The scope of work noted is based on sound engineering principles, reliable technology, and has been formulated specifically to meet your requirements.

Project Overview

AVI-SPL is offering a solutions package designed to maximize the State of Arkansas - BLR investment in display meeting and collaboration technology. To achieve this goal, AVI-SPL is utilizing industry best practices for system design and is deploying proven and reliable devices and services.

AVI-SPL Project Observations, Design and Planning

The RFP, BLR-240001 represents the request for sophisticated AV equipment and services to integrate, commission and train BLR technical staff for successful operation of MAC Committee Room events.

Specifically, the systems required for Control Rooms A & B will require a dedicated staff to accomplish consistent, high-quality events.

There are two primary systems which work together for the Committee Rooms. Those systems are AV Presentation (which includes UC conferences like Microsoft Teams and Zoom) and High-Performance Video Production.

While there are similarities between AV Presentation and Video Production systems, there are also differences which can create undesirable operations during events, if careful consideration is not provided during the design and planning of the systems.

This is where AVI-SPL, with its accomplished team of Design Engineers, will utilize years of experience to partner with the BLR technical staff and create a great set of systems tools.

Related specifically to this project, here are plans AVI-SPL will incorporate into its design:

1. The Control Rooms will be busy environments. Technicians should be primarily involved with video production switching and audio for- video mixing. Any short-staffing issues can cause massive problems for event operations. Those short-staff situations are certain to happen upon occasion, especially when events are taking place in Committee Rooms A & B simultaneously.
 - a. AVI-SPL is providing pan-tilt-zoom camera systems for the Committee Rooms, which will have automated movement capabilities. The automated camera movements will be triggered by control data through the Discussion Microphone System. The pan-tilt-zoom cameras will “know” where to focus when meeting delegates have their turn to speak.
 - b. The pan-tilt-zoom automation removes extra technicians in the Control Room to operate ten (10) cameras for Committee Room A and eight (8) cameras for Committee Room B.
 - c. AVI-SPL is utilizing ceiling microphone arrays to provide an intuitive and automated means of “pre-mixing” the room mic audio. The use of the Room Mic “pre-mix” will simplify audio mixing operations in the Control Room.
2. The meeting delegates “free seat” in the Committee Rooms and do not use an assigned desk.
 - a. AVI-SPL provides a very intelligent and flexible Discussion Microphone System, which will utilize an RFID authentication card to log “who” is at the meeting and “where” they are

- located. This is a key part of how we will get very accurate cue information for who (by name) has requested to speak, the order of the chronological requests and the Chairperson recognition of meeting delegates. However, that Chairperson prefers. AVI-SPL has planned and included an "on-site" duplicate badge to use for the busy meeting delegate that forgot to bring their badge to the meeting.
- b. AVI-SPL has provided the Discussion Microphone System with the meeting delegate identification capability. However, if required in the future, features such as voting, electronic nameplates and multimedia terminals can be added without major changes to the system being installed during this project.
3. The AVI-SPL systems use current AV over IP technology, where best practices account for the differences between AV Presentation and Conferencing and Video Production.
 - a. AV Presentation, Conferencing and System Control reside on one (1) AV over IP platform, not three (3). The singular approach provides a very cohesive solution with an easier means of programming and routing changes when required.
 - b. Video Production utilizes full NDI, not NDI-HX. The use of full NDI provides the best quality and lowest amount of image delay. The AVI-SPL full NDI design leverages NDI where it matters, which is for Video Production.
 - i. The video production switchers utilize full NDI input and output capabilities.
 - ii. Where required, NDI is delivered Lobby, Member Area and 4th Floor displays, providing the selection of the Program/On-Air output of the video production switchers.
 4. AVI-SPL will coordinate with BLR to utilize OFE/owner-furnished equipment as an up-front value addition for this project.
 - a. Not all the equipment in the Committee Rooms is old or bad. AVI-SPL will utilize existing equipment, still in good operating condition or which is not outdated.
 - b. AVI-SPL will improve on existing equipment, where the equipment can be enhanced, or operational issues which will be corrected from the previous AV installer.
 - c. For both Committee Rooms, there is a good quantity of video displays to allow meeting attendees to see presentations. There is also a good quantity of speakers to provide overhead sound in the Committee Rooms.
 - i. AVI-SPL will provide the proper delivery of video sources to the displays.
 - ii. AVI-SPL will provide better zoning and optimization of the audio speakers.

Initial RFP Pages



**State of Arkansas
Bureau of
Legislative Research**

Marty Garrity, Director
Kevin Anderson, Assistant Director
for Fiscal Services
Matthew Miller, Assistant Director
for Legal Services
Jessica Whittaker, Assistant Director
for Research Services
Eric Sanders, Assistant Director
for Information Technology Services

REQUEST FOR PROPOSAL

RFP Number: BLR-240001	
Commodity: Audio-Visual System and Services	Proposal Opening Date: March 26, 2024
Date: February 20, 2024	Proposal Opening Time: 4:00 P.M. CST

PROPOSALS SHALL BE SUBMITTED IN HARD COPY AND ELECTRONIC FORMAT AND WILL BE ACCEPTED UNTIL THE TIME AND DATE SPECIFIED ABOVE. THE PROPOSAL ENVELOPE MUST BE SEALED AND SHOULD BE PROPERLY MARKED WITH THE PROPOSAL NUMBER, DATE AND HOUR OF PROPOSAL OPENING, AND VENDOR'S RETURN ADDRESS. THE ELECTRONIC SUBMISSIONS SHOULD BE CLEARLY MARKED AS A PROPOSAL IN RESPONSE TO RFP NO. BLR-240001. IT IS NOT NECESSARY TO RETURN "NO BIDS" TO THE BUREAU OF LEGISLATIVE RESEARCH.

Vendors are responsible for delivery of their proposal documents to the Bureau of Legislative Research prior to the scheduled time for opening of the particular proposal. When appropriate, Vendors should consult with delivery providers to determine whether the proposal documents will be delivered to the Bureau of Legislative Research office street address prior to the scheduled time for proposal opening. Delivery providers, USPS, UPS, FedEx, and DHL, deliver mail to our street address, 500 Woodlane Street, State Capitol Building, Room 315, Little Rock, Arkansas 72201, on a schedule determined by each individual provider. These providers will deliver to our offices based solely on our street address.

MAILING ADDRESS: 500 Woodlane Street State Capitol Building, Room 315 Little Rock, Arkansas 72201	PROPOSAL OPENING LOCATION: Bureau of Legislative Research Director's Office State Capitol Building, Room 315
E-MAIL: thayerj@blr.arkansas.gov	
TELEPHONE: (501) 683-0720	

Company Name: AVI-SPL LLC

Name (type or print): Greg Maniss

Title: Regional Sales Director

Address: 6301 Benjamin Road, Suite 101 Tampa, FL 33634-5115

Telephone Number: (813) 884 - 7168

Fax Number: (813) 882-9508

E-Mail Address: Greg.Maniss@avispl.com

Identification:	N/A
Federal Employer ID Number	Social Security Number
59 - 1958935	

**FAILURE TO PROVIDE TAXPAYER IDENTIFICATION NUMBER MAY
RESULT IN PROPOSAL REJECTION**

Business Designation (check one):	Individual []	Sole Proprietorship []	Public Service Corp []
	Partnership []	Corporation []	Government/ Nonprofit []

GENERAL DESCRIPTION:	Audio-Visual System and Services
TYPE OF CONTRACT:	Term

MINORITY BUSINESS POLICY

Participation by minority businesses is encouraged in procurements by state agencies, and although it is not required, the Bureau of Legislative Research ("BLR") supports that policy. "Minority" is defined at Arkansas Code Annotated § 15-4-303 as "a lawful permanent resident of this state who is: (A) African American; (B) Hispanic American; (C) American Indian; (D) Asian American; (E) Pacific Islander American; or (F) A service-disabled veteran as designated by the United States Department of Veteran Affairs". "Minority business enterprise" is defined at Arkansas Code Annotated § 15-4-303 as "a business that is at least fifty-one percent (51%) owned by one (1) or more minority persons". The Arkansas Economic Development Commission conducts a certification process for minority businesses. Vendors unable to include minority-owned businesses as subcontractors may explain the circumstances preventing minority inclusion.

EQUAL EMPLOYMENT OPPORTUNITY POLICY

The Vendor shall submit a copy of the Vendor's Equal Opportunity Policy. EO Policies shall be submitted in hard copy and electronic format to the Bureau of Legislative Research accompanying the solicitation response. The Bureau of Legislative Research will maintain a file of all Vendor EO policies submitted in response to this solicitation. The submission is a one-time requirement, but Vendors are responsible for providing updates or changes to their respective policies.

EMPLOYMENT OF ILLEGAL IMMIGRANTS

The Vendor shall certify prior to award of the contract that it does not employ or contract with any illegal immigrants in its contract with the Bureau of Legislative Research. Vendors shall certify on the Proposal Signature Page and online at <https://www.ark.org/dfa/immigrant/index.php/disclosure/submit/new>. Any subcontractors used by the Vendor at the time of the Vendor's certification shall also certify that they do not employ or contract with any illegal immigrant. Certification by the subcontractors shall be submitted within thirty (30) days after contract execution.

RESTRICTION OF BOYCOTT OF ISRAEL

Pursuant to Arkansas Code § 25-1-503, a public entity shall not enter into a contract with a company unless the contract includes a written certification that the person or company is not currently engaged in, and agrees for the duration of the contract not to engage in, a boycott of Israel. This prohibition does not apply to a company which offers to provide the goods or services for at least twenty percent (20%) less than the lowest certifying business.

By checking the designated box on the Proposal Signature Page, the Vendor agrees and certifies that they do not, and will not for the duration of the contract, boycott Israel.

Section Acknowledgement

Sections 1.0-1.33: AVI-SPL LLC acknowledges and agrees with the requirements set forth in this section.

Sections 2.0-2.1: AVI-SPL LLC acknowledges and agrees with the requirements set forth in this section.

Sections 3.0-3.3: AVI-SPL LLC acknowledges and agrees with the requirements set forth in this section.

Section 4.0-4.2: AVI-SPL LLC acknowledges and agrees with the requirements set forth in this section.

Section 5.0, 5.5.1: AVI-SPL LLC acknowledges and agrees with the requirements set forth in this section.

Section 6.0-6.1: AVI-SPL LLC acknowledges and agrees with the requirements set forth in this section.

Vendor Profile

- Business Name:
 - AVI-SPL LLC
- Business Address:
 - 6301 Benjamin Road, Suite 101 Tampa, FL 33634-5115
- Alternate Business Address:
 - N/A
- Primary Contact Name, Title, Telephone, Fax, and E-mail Address:
 - Greg Maniss, Regional Sales Director, (913) 543-7219, (800) 454-4752, Greg.Maniss@avispl.com
- How many years this company has been in this type of business:
 - 44 years
- Proof that the Vendor is qualified to do business in the State of Arkansas:
 - License #420500623 - Communication, Computer or Sound Systems, Cabling
- A disclosure of the Vendor's name and address and, as applicable, the names and addresses of the following:
 - AVI-SPL LLC is owned 100% by its parent company; AVI-SPL LLC Global
- A disclosure of all the states and jurisdictions in which the Vendor does business and the nature of the business for each state or jurisdiction
 - AVI-SPL provides the following services in the states listed below: AV Sales, Installation, Integration, Video Collaboration, Design and Service Support and Low Voltage
 - All 50 states
- A disclosure of all the states and jurisdictions in which the Vendor has contracts to supply the type of services requested under this RFP and the nature of the goods or services involved for each state or jurisdiction:
 - AVI-SPL provides the following services in the states listed below: AV Sales, Installation, Integration, Video Collaboration, Design and Service Support
 - Arizona, California, Delaware, Florida, Georgia, Kansas, Kentucky, Maryland, Minnesota, Mississippi, New Mexico, New York, North Carolina, Ohio, Oklahoma, Pennsylvania, South Carolina, Tennessee, Texas, Utah, Virginia, Wisconsin,
- A disclosure of the details of any finding or plea, conviction, or adjudication of guilt in a state or federal court of the Vendor for any felony or any other criminal offense other than a traffic violation committed by the persons identified as management, supervisory, or key personnel;
 - None
- A disclosure of the details of any bankruptcy, insolvency, reorganization, or corporate or individual purchase or takeover of another corporation, including without limitation bonded indebtedness, and any pending litigation of the Vendor:
 - None
- A disclosure of any conflicts of interest on the part of the Vendor or its personnel that will be working on this project
 - None



General Information

Specialized Areas of Expertise

AVI-SPL XTG: Experience Technology Group

XTG will help you harness the power of the digital experience and bring your brand story to life. We help you leverage space, content, and technology to create exceptional immersive experiences to:

Engage and delight customers

- Deliver unforgettable immersive experiences in museums, visitor centers, libraries, hotels, casinos, and entertainment venues.



Attract and retain talent

- Reimagine digital transformation with experiential spaces. Stay competitive in attracting and retaining talent. Create environments that encourage people to come back to the office.

XTG collaborates with an ecosystem of partners in architecture, workplace strategy, and content design to create award-winning, integrated, immersive experiential environments on a global scale.

AVI-SPL Symphony

Proactively monitor, manage, and analyze multi-vendor environments with a single application. Symphony is a user experience management platform to connect, monitor, and track collaboration technology in your digital workplace to empower your people. Its functionality enables teams who support technologies and the users who rely on those collaboration tools every day.

What does Symphony do for you?



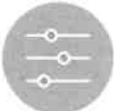
Asset Capture

Know what technology you have deployed where. Get easy access to asset information for AV, UC, and video hardware and devices.



Cloud Migration

Leverage valuable performance data as you transition from traditional video conferencing to cloud conferencing.



Centralized Monitoring

Monitor your devices, rooms, and meetings from anywhere, anytime, in a single portal.



Incident Management

Let Symphony auto-create, clear, and close tickets based on your custom values. Symphony integrates with leading third-party ITSM platforms.

**Workplace Management**

Gather information related to your technology, spaces, and people to create data-driven decisions.

**Success Metrics**

Symphony tracks how your technology performs to deliver meaningful data about space, technology, and adoption.

AVI-SPL Advantages

- Unified global view of live data from your hybrid collaboration environments
- Compatible with Microsoft Teams Rooms, Zoom Rooms, and Cisco Webex
- Remote room and device troubleshooting
- Rich monitoring and control of your AV, video, and UCC technologies
- Robust automation for room readiness and other SOPs
- Rich utilization analytics for data-driven decisions
- Faster ticket resolution and lower number of end-user tickets
- Self-healing capabilities
- ITSM integration
- Increased technology uptime

Symphony enables a seamless end-to-end collaboration workflow for end users and operators. The monitoring and data that Symphony provides drive efficiency for day-to-day tasks and deliver a more strategic view of your space and technology estate. Symphony integrates all of this information into a single platform.

Large Venues and Auditoriums

We design, build, and support solutions that meet the requirements of large-scale or engineering-intensive AV integration projects across a wide range of environments, including sports arenas and performing arts centers. We have the experience and leadership needed to work efficiently with the different trades on a job site so that our engineers can complete their work quickly and correctly.

**Notable Qualifications**

- NSCA Advanced Sound Design
- Track record of delivering solutions in highly complex, high-profile environments

Command and Control Rooms

AVI-SPL integrates video technology into mission-critical facilities for industries like aerospace, military, telecommunications, financial institutions, oil and gas, utilities, federal, state, and local governments and transportation. Our team's whole-room approach considers sight lines, ergonomics, lighting, and types of information being monitored to create the right solution, within an environment that enables operators to have situational awareness so they can make timely decisions based on accurate, clearly presented information.



- Dedicated team of 50+ with certifications that include PMP, CTS, CTS-I, CTS-D and Top Security Clearance
- Manufacturer training in control system applications
- Active service of hundreds of control room installations across all vertical markets through 24/7/365 help desk

Advanced Visualization and Simulation

Our advanced visualization and simulation solutions immerse learners in a safe, shared virtual environments that generate detailed renderings of concepts and engineering diagrams for virtual-reality testing environments, high-definition exploration, training simulation, data visualization, product development, and model manipulation.



Notable Qualifications

- Dedicated team that focuses on what your organization wants to accomplish
- 50+ highly trained, highly skilled people with credentials that include PMP, CTS, CTS-I, CTS-D and Top Security Clearance, as well as specialty manufacturer training in visualization applications
- Wide range of products and expertise for multi-channel display and computer solutions to achieve high-fidelity images on virtually any screen shape. Our team helped create the largest medical school simulation practice in the U.S.

Government Contract Sales

AVI-SPL has a variety of federal and state contracts to provide product sales, installation, and support. If your purchase requires any contract compliance, we will fully comply with those terms. If you require a contract for which we are not listed, please contact us to discuss other purchasing options.



Enterprise Video - AVI-SPL VideoLink

AVI-SPL VideoLink, a wholly owned subsidiary, puts thirty years of experience in live TV and corporate video services at your fingertips. We help you broadcast quality video from any lens to any screen. And we do it with high-quality video production professionals and technology, and a dedicated creative video team.



ReadyCam® Studio and Multi-Camera Studio (MCS)

ReadyCam Studio and ReadyCam MCS are all-inclusive remotely controlled video studios, eliminating the need for on-site broadcast control rooms. ReadyCam Studio is equipped with an HD camera, professional quality audio and lighting, electronic backdrop, recording options, and IP-based transmission. ReadyCam MCS features up to three HD cameras. Both studios support live video, webcast, town hall, and video conference broadcasts over the internet to anywhere in the world. And if video recording, the studio can be operated by your team via our VLGateway™ web portal or by AVI-SPL VideoLink.

Video Production Services

When you present from a studio or a stage, the broadcast must be flawless from pre- to post-production. Let AVI-SPL VideoLink's production team run the show. In-studio, or on-location, we'll ensure your message is presented clearly and exceeds your high-quality standards. With 14 studio locations in MA, PA, MD, NH, TX, CA, and FL, we can offer studio broadcasts featuring live HD insert studios, multi-camera studios with control rooms, live or on-demand video streaming, live event and video production, and production staffing.

Creative Video Services

VLCreative by AVI-SPL VideoLink combines the art of storytelling with the science of video production to help brands produce videos that drive results. VLCreative is a team of creatives, marketers, strategists, and artists that looks at video with a fresh perspective and deep passion for the medium. In addition to producing videos that cut through the clutter, VLCreative can help craft discovery, distribution, and cross-platform strategies to measure ROI.





Services and Support

Let's Create a More Connected World

You know your business and the people who count on it. We know how to mobilize to scale quickly, address your local and worldwide needs, and support your growth.

AVI-SPL is the right partner with the right services and solutions to unite your employees worldwide and keep them connected. We quickly bring your collaboration solutions online and keep them running. You'll have an easy, consistent experience using the technology tools and environments you rely on.

We are your single go-to global digital workplace services provider, delivering where and when you need us. Our experts help enhance productivity, deepen engagement with your processes, and spark growth.

Rely on AVI-SPL to help you create a more connected world.



AVI-SPL Services Overview

AVI-SPL service and support options make it easy to adopt new solutions and unlock business value for organizations of all sizes. Your IT team will find it easy to oversee, service, and track data from company assets. And users will have easy-to-use standardized systems so they can focus on their objectives.

We are here to support you and your organization. Rather than implementing a one-size-fits-all plan, we deploy technologies tailored to your needs, using a combination of **Professional Services, Global Support and Maintenance, and Managed Services.**

We can provide remote, on-site support or a combination to meet your needs. AVI-SPL monitors and manages your AV and UCC systems with global remote support teams stationed in the U.S., Canada, Mexico, London, Germany, India, and Hong Kong and staff at your site. Our expertise and scale are evident in:

980,000
conferences
monitored each year

95%
customer
satisfaction rating

ITIL
certified
professionals

Support client
video network
operations in **75**
countries

Every year, our support and maintenance professionals:

Close over 30,000 cases	Answer over 40,000 calls	Provide more than 20,000 support visits
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Support contract benefits

- Quicker response time and productivity
- Cost savings over the life of the contract
- Dedicated expert technicians
- Ability to grow
- Optimized business operations and user experience

Professional Services

AVI-SPL provides comprehensive audio visual, and unified communications technologies enabling workplace collaboration and communication for the world’s largest companies and government agencies. We provide **consulting, design, engineering, installation, training, and virtual event management services** to deliver these solutions. Our teams collaborate with architects and creative specialists to plan, engineer, install, and deliver sustainable systems. Once installed, we can provide comprehensive training, reference materials, and management of your entire collaboration technology estate.

Consulting

We observe your workplace and share experience-based perspectives to enhance how your teams and technology connect. AVI-SPL technical experts provide guidance based on 40+ years of designing and deploying solutions of every size, complexity, and budget. And we do so at every stage of your collaboration evolution.

Consulting Packages

UCC Platform Optimization
Hotel and Hot Desk Planning
UCC Needs Assessment

Microsoft Teams Room Lifecycle Planning
UCC Business Process Design
Room Standards Design*

***New feature:** Our 3-Day workshop enables customers to explore, educate and experience new technologies providing room design standards that improve user experience, streamline support, and enable rapid deployment. Each room design includes the hardware, programming functionality, budgetary implementation labor, support services, infrastructure considerations, flow block diagrams and a virtual reality rendering of the room design.

Implementation Services

Ensure your collaboration technology plans and designs deliver their full potential with expert implementation and deployment. Leverage 40+ years of experience and certified technicians to ensure smooth AV and UC integration. Your experts will guide you through a pre-implementation planning process, address potential roadblocks, and ensure your technology works as expected. We optimize technology infrastructure for on-premises, cloud, and hybrid deployment plans. Our professionals train users to use new collaboration technologies.

We will migrate systems from on-premises to the cloud, resolve challenging AV and Uc technical requirements, and connect your teams via your chosen UC platforms, including Microsoft Teams, Cisco Webex Meetings and Teams, and Zoom.

Technology Training Services

Ease end user frustration with Digital Flip Books that aid end users with easy to access assistance, guidance on common meeting questions and tips on presenting. Each flip book is customer branded, includes online access via QR code and bi-annual content updates.

Virtual Event Management

AVI-SPL's **Virtual Event Management Service** provides the know-how to orchestrate, deliver, and execute business-critical communications confidently and flawlessly. Whether you need to communicate with ten or ten thousand audience members, planning is the key to success for virtual business communications.

We provide a dedicated Event Manager (EM) to understand objectives, agenda, audience, and communication technologies to deliver a professionally choreographed web event. The EM works with meeting organizers to guide organizers and presenters, including pre-planning, in-call production, and post-call reporting support.

Collaboration Platforms Supported

- Microsoft Teams Live
- Webex by Cisco
- Zoom

Disclosure of Litigation

AVI-SPL has not been involved in any civil or criminal litigation or indictment.

Vendor Qualifications

Key Personnel Resumes/Short Bio's



Name: Mike Jarnagin

Role: Senior Design Engineer

E-mail Mike.Jarnagin@avispl.com

Description: Mike Jarnagin has more than 35 years experience in the A/V industry starting as a Front-of-House audio engineer for national touring artists. After almost 8 years of touring, Mike decided it was time to get away from road life and concentrate on A/V integration. Mike spent many years working on design and installation of large audio systems. Around 2002, Mike started work on an AV project worth \$20 million. A large portion of that project included video production equipment. Upon completion of that project, Mike became known as the “Video Guy” and has continued with large video/broadcast design opportunities. Mike maintains video and audio broadcast credentials with the Society of Broadcast Engineers. Mike has worked as a Video Subject Matter Expert for 20 years.

Key Projects:

- Fortune 100 Communications Company: Design Engineer for CEO’s Board Room and Video Production Facility, 37th Floor, Dallas, TX
- Amazing Facts Ministry: Design Engineer for 4K Video Studio, Sanctuary Auditorium, Multiple Control Rooms – Commercial Integrator 2022, Best House of Worship Award
- Davis School District, Catalyst Center: Design Engineer for 4K Studio, Control Rooms, Virtual Production with Unreal Engine/4K Film – Commercial Integrator 2022, Best K-12 Project Award
- Williams Communications: Design Engineer – 15 Story Headquarters Building, Tulsa, OK
- Paycom: Design Engineer 4K and HD Video Production Studios and Control Rooms

Education and Certifications:

- North Central University – Mass Communication
- Ivy Tech Community College – Digital Electronics
- Society of Broadcast Engineers – Certified Video Engineer (CEV)
- Certified Audio Engineer (CEA)
- AVIXA - Certified Technology Specialist (CTS)
- NCSE (Newtek Certified Solutions Expert) & NCSS (Newtek Certified Sales Specialist)
- OSHA: OSHA 10

Name: Ryan Walters

Role: Project Manager

E-mail: Ryan.Walters@avispl.com

Description: With over 17 years of experience in the AV industry, Ryan has climbed the ranks from an Installation Technician to a seasoned Project Manager, a position he has held for several years. Joining AVI-SPL in October 2023, Ryan has since successfully managed multiple construction projects, showcasing his expertise and commitment to delivering high-quality results.

Key Projects:

- Funds for Learning - Conference Room Upgrade in Edmond, OK
 - Ryan managed the project to completion. It entailed a comprehensive upgrade of the conference room, featuring 2-85" displays, wireless presentation capabilities, DSP, video matrix switching, a conferencing system utilizing Zoom accounts, and touch panel control.
- Research Institute Observation Rooms in Fort Smith, AR
 - Ryan managed the project to completion. This involved a complete remodel, including the installation of a new AV system. This system comprised microphone arrays and PTZ cameras across six rooms, integration with media site software, a control room with video switching capabilities, a touch panel for audio controls, and a camera controller to manage all the rooms.

Education and Certifications:

- High School Diploma in 2004
- OSHA 30
- Hilti certified for powder actuated tools and fire stop training



Name: Eli Flores

Role: Installation Manager

E-mail: eli.flores@avispl.com

Description: With 13 years of commercial audio/visual experience, Eli stands as a seasoned professional known for his exceptional proficiency and dedication to his craft. His comprehensive skill set and unwavering commitment to excellence have made him a trusted asset in every aspect of AV project management.

Key Projects:

Oversees the installation of most AVI-SPL projects within the entire state of Oklahoma, as well as Wichita, KS, Amarillo, TX, and Rogers/Bentonville/Ft. Smith, AR.

Education and Certifications:

- Full Sail University - Winter Park, FL
 - Associate of Science - Audio Engineering
 - Bachelor of Science - Business
- United States Army
 - Signal Support Systems Specialist
- CTS
- CTS-I & Technologist
- Biamp Tesira Server, Forte & Vocia
- Crestron DMC-D & NVX
- QSYS Level 1
- Dante Level 2
- OSHA 30
- Shure Integrated Systems Level 2
- Extron Control Specialist & AV Associate

Name: Bill Boyd

Role: Installation Technician 1

E-mail bill.boyd@avispl.com

Description: Since his induction into AVI-SPL in January 2023, Bill has diligently contributed to the success of various projects. Currently, he is transitioning into a Level 2 Technician role, aspiring to take on more leadership responsibilities and expand his role within the company.

Key Projects:

- University of Arkansas Ft. Smith
 - Bill led a team of 4 temps pulling cable at all locations across the campus along with various installation tasks. Some rooms having 15-18 cables pulled. This project was completed with a large profit margin setting a standard for timely completion.

- Burns and McDonald Nashville, TN
 - Bill and a lead installed 5 rooms in 3 days. Each room had a display, gear under a conference table, gear behind the display, and cameras. This was completed in a timely manner and in full communication with the client through the entire process. Bill received kudos directly from the client.

Education and Certifications:

- High School Diploma-2013
- OSHA 30
- AVIXA AV Technologist

Name: Cody Privette

Role: Installation Technician 2

E-mail cody.privette@avispl.com

Description: With a tenure of several years at AVI-SPL, Cody has shown continual advancement and growth. Starting as an apprentice, he climbed the integration ladder to Installation Technician 2. Cody is also expanding his expertise into commissioning and programming, demonstrating a commitment to broadening his knowledge of the entire industry.

Key Projects:

- McCarthy Building Companies, Richardson, Texas
 - Install Daktronics videowall and all sound masking across entire floor. Installation of all conferencing rooms.
- Expedia, Springfield, MO
 - Install and help commissioning of all 100+ rooms on site as well as assisting in the installation of the large Nanolumens video wall.
- University of Arkansas-Fort Smith
 - Massive university overhaul where profit was double the projected amount. Installing and commissioning of 30+ racks across multiple campus buildings.

Education and Certifications:

- OSHA 30
- AVIXA Technologist
- AVIXA CTS
- Q-SYS Level 1

Name: Roger Holder

Role: Commissioning Specialist

E-mail roger.holder@avispl.com

Description: Roger has been in audio visual roles most of his career. Since joining AVI-SPL, he has been working with a very wide range of products from many vendors, increasing his knowledge and experience. Drawing from his previous experiences, Roger has been able to contribute effectively to projects and provide valuable insights to his teammates, enhancing their collective proficiency.

Key Projects:

- University of Arkansas at Ft Smith
 - This project consisted of nearly 70 classrooms and 4 lecture halls (One a combine/divide room). Roger and the team were able to get this project completed early, underbudget with a very happy client.

Education and Certifications:

- CTS
- OSHA 10
- Crestron Certified Digital Media 4k Engineer
- Dante level 2
- Q-sys Level 1
- Q-sys Quantum Level 1
- Biamp (In progress)
- CTS-I (In progress)

Name: Harley Griffin
Role: Installation Technician 3

E-mail Harley.Griffin@avispl.com

Description: Harley's career at AVI-SPL has been marked by an unwavering commitment to excellence and an insatiable drive for continuous improvement. Throughout their tenure, Harley has played a pivotal role in the successful completion of multiple high-profile projects.

Key Projects:

- Expedia
 - Spring Field, MO
- Cargill
 - Wichita, KS
- Baytex
 - Houston and Austin, TX
- Campbells Soup
 - Rogers, AK
- Smart Factory
 - Oklahoma

Education and Certifications:

- Hill College
 - Associate degree
- OSHA 30
- Q-SYS Level 1
- Dante Level 1 & 2
- Crestron Certified Digital Media 4k Engineer
- AMX Networked AV Certified
- Harmon Networked AV Associate
- Chief Mounting Solutions Certified
- Da-Lite Projection Screen Certified
- Avixa Rack Fabrication Certified

Meet Our Leadership Team



John Zettel, Chief Executive Officer

John Zettel shapes AVI-SPL’s mission, strategic focus, and ability to provide collaboration solutions and managed services to organizations around the world. He works with executive leadership to promote the company’s vision, core values, and key transformational objectives. John joined legacy AVI as chief financial officer in 2000 and continues to grow AVI-SPL through his insight and due diligence.



Mark Payne, Chief Financial Officer

Mark Payne is a highly accomplished, result-driven financial executive with more than 25 years of progressive experience in finance and operations management within a global multibillion-dollar organization. In his current role, Mark oversees all aspects of AVI-SPL’s financial functions, including accounting, tax, financial planning and analysis, M&A activities, implementation of new financial systems, and investor relations.



John Murphy, Chief Operating Officer

John Murphy spearheads strategies and business models to benefit global clients and their innovative workplaces. He leads teams that ensure best-in-class offerings, world-class project installation, and service delivery. Previously, John was COO of CBRE’s Global Workplace Solutions Division and held several senior leadership roles at Johnson Controls, leading the \$4 billion Global Workplace Solutions business across 50 countries.



Steve Benjamin, Executive Vice President

Steve Benjamin executes the strategy, business growth, and performance improvement initiatives to support the company’s ecosystem of partner, industry, and customer-facing relationships and functions. He oversees contract management and negotiation, departmental financial oversight, production-related issues, real estate and insurance transactions, and corporate special projects with precision and expertise.



Vicki Bosworth, Executive Vice President, Human Resources

Vicki Bosworth is responsible for all global human resource functions, including strategy, recruitment, employee development, employment relations, compensation, benefits, and our DEI and employee experience. She’s held various leadership roles at Fortune 500 companies, giving her the knowledge and experience necessary to align, lead, and advance AVI-SPL’s human resources function and company culture.



Dale Bottcher, Executive Vice President, Sales and Marketing

Dale Bottcher leads the global sales and marketing teams to grow and nurture the company’s customer relationships by meeting their evolving needs and delivering on a consistent and scalable end-user experience. He’s passionate about customer relationship building, working closely with his teams to address clients’ complex video communications needs and to deliver solutions under budget and on schedule.



Tim Riek, Executive Vice President, Technology and Solutions

Tim Riek oversees product and solutions development, bringing innovation and intelligence to AVI-SPL and its customers. He also leads the Services and Systems Solutions team and global procurement strategies, enabling greater cross-functional efficiencies, evolving solutions, and the operational readiness to deploy and support them. Tim’s commitment to driving excellence and staying at the forefront of technology ensures AVI-SPL’s and their customers’ continued success.

Brief History

Corporate Overview

Your Digital Enablement Solutions Provider

At AVI-SPL (parent company: AVISPL LLC Global), our mission is to transform how people and technology connect to elevate experiences, create new value, and enable organizations to thrive and grow. We're the leading global provider of collaboration technology solutions, which include our award-winning managed services. Our highly-trained team works hand in hand with organizations worldwide – including over 86% of Fortune 100 companies. We strategize, design, deploy, manage, and support AV and UC solutions that are simple to use, scalable, serviceable, and measurable to ensure you achieve your business objectives.

We strengthen the human experience of hybrid work by empowering meaningful communication and collaboration no matter where your employees work. We help improve workflows locally and globally, enhance collaboration technology user experiences, and manage solutions to support smart decision-making.

AVI-SPL is your single source for improving unified communications and collaboration and audio visual (UC/AV) systems. Through partnerships with leading AV and collaboration manufacturers, construction firms, architects, and consultants, we design, integrate, and manage solutions and experiences tailored to your needs. When you partner with us, you have:

A Passionate Technology Expert

- Experienced and financially stable technology contractor with a **global delivery model**.
- Providing **innovative, award-winning solutions** that are effective and aligned with your needs. Our solutions reflect the trends and technologies shaping professional collaboration and the workplace.

A Knowledgeable Collaborator and Trusted Advisor

- Most **qualified team of engineers and technicians** in the industry.
- **In-house capabilities** to design, install, and manage complex audio, video, collaboration, and communication technologies that connect teams from around the world.
- **Certified to implement collaboration solutions** from industry leaders like Microsoft, Poly, Cisco, and Crestron.

An Experienced Services Provider

- Wide-ranging **technical integration capabilities**, construction experience, and engineering resources to support projects of any scale and in environments as varied as stadiums, boardrooms, hospitals, and classrooms. Our experience spans over 40 years. We support our clients through our Global Service Operations Centers, which provide 24/7 help desk support.
- **Expert engineering** with the highest per capita number of technical employees of any AV solutions provider.

- **Award-winning conferencing services** that include customizable room and device monitoring, cloud-based scheduling and management for meeting rooms and the technology enabling them, and analytics reports that provide actionable business intelligence.

We take your investment in collaborative solutions as seriously as you do. That is why we are with you every step of the way, making sure you have the support to keep your business running smoothly and that you get the return on investment you expect.

Our diverse portfolio features solutions in the corporate, education, and government sectors, including Fortune 500/Global 1000 boardrooms, military base operation centers, and education campuses. On most projects, we collaborate with architects, consultants, designers, and end users like you. AVI-SPL's expertise includes partnerships with the industry's top technology providers, highly skilled and certified technicians, and comprehensive support that is setting the standard in the collaboration industry. The hallmark of AVI-SPL's client success has been our ability to keep pace with the technology trends that drive the way businesses operate, and to innovate and improve upon them so that we can offer customers a standard of quality that no other company can match.

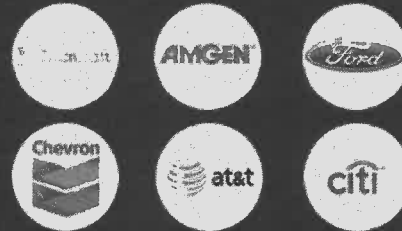


60+

Offices in the US, Canada, UK, Ireland, Germany, UAE, Latin America, Hong Kong, Singapore, and India plus a global network of partners

86%

of Fortune 100 companies are our customers



4,300+

Employees



850+

of our onsite certified technicians support customers around the world every day

120,000+ projects completed in 80 countries

12,500+ service contracts with 1,500 ticketed cases resolved each month

Partnerships with the leading technology providers so we can craft the right solution for every client



Clients

We value our clients' trust and strive to earn it at every level of service. We pride ourselves in our long-term relationships with our clients.

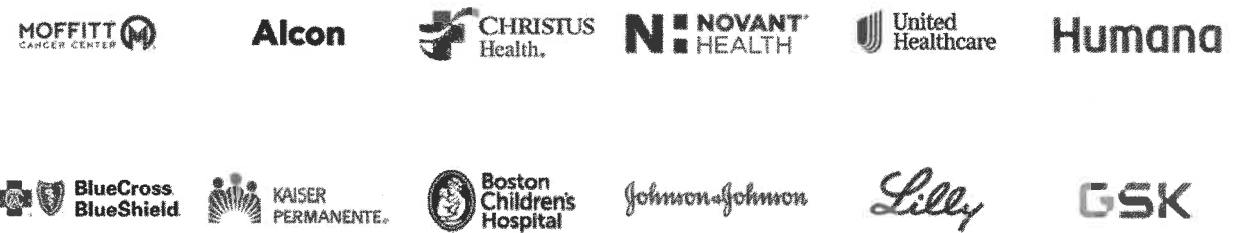
Enterprise



Education



Healthcare



Technology



Public Sector



Detailed Plan

Project Implementation Process



World-class approach to defining client needs and delivering with consistent approach to execution.
 Detailed Operations Playbook = Consistent, High Quality Project Outcomes

- **Standardized documents, forms and instructions:** a cadence for reporting and communications methods
- **Companywide adoption and training:** measurable deliverables
- **Full range of engagement types:** small and simple to large and complex
- **Continuous improvement:** CSAT/NPS focus w/ root cause analysis and action-oriented outcomes

AVI-SPL provides innovative solutions seamlessly integrated with simple but effective user experiences. To that end, AVI-SPL utilizes a five-step process to provide you with consistent communication and flawless execution from project conception to completion.

Phase I **Initiate**

- The initiate phase is critical to the success of both the solution implementation and post deployment services to ensure acclimation, adoption and continued use of the technology.
- During this phase, your project team is selected based on the size, scope and complexity of the solutions to be implemented. All details and information are successfully transitioned to the internal project team via a comprehensive kick-off meeting.
- External kick-off discussions are organized and conducted with your key stakeholders to formally discuss project parameters of scope, schedule and communication strategy along with any other key topics to ensure proper alignment. The output of these discussions initiates engineering finalization, equipment procurement and programming services.

Phase II **Plan**

- The planning phase begins with development of the project schedule including detailed work breakdown tasks identifying key deliverables, dependencies and both internal and external milestones required to successfully execute the project.
- Detailed communication plans are developed to provide your key stakeholders with project progress reporting to indicate status against the project schedule along with any identified risks.
- Acceptance test plan procedures are developed and communicated to ensure agreed upon scope and functionality requirements are achieved.

Phase III **Execute**

- During the execution phase, all engineering, programming, fabrication and on-site installation activities are completed in accordance with the agreed upon project scope and schedule.
- Daily progress reports are completed, sent back to our Project Management staff and consolidated into weekly progress reports that you will receive.
- Upon completion of on-site installation activities, test and commissioning takes place in accordance with the agreed upon test plan procedures to ensure fully functional solutions.
- Final inspection and walk-through of the project is conducted in coordination with your key stakeholders to administer acceptance of the deployed solutions.

Phase IV **Monitor**

- The monitor phase is ongoing throughout the entire project lifecycle.
- All project work activities are consistently reviewed to ensure alignment with the approved schedule and milestones, adjusting resource planning as required. All changes to scope, schedule and budget are closely controlled to eliminate or minimize change management.
- Quality assurance is adhered to through checks and balances along with consistent testing at specified intervals in the project lifecycle. Risk management plans are constantly reviewed, and risk mitigation strategies deployed to ensure scope and schedule remain on track.
- External reporting is critical to this phase to align your key stakeholders to both internal and on-site status of our progress.

Phase V **Close**

- The final phase is focused on completion of all contractual and operational activities to obtain sign-off for the completed project. This includes demonstration and training on the use of the installed solutions.
- All final project documentation for future warranty and service work is gathered and submitted to your key stakeholders as well as to our internal service team for onboarding purposes.
- Automated Customer Satisfaction Score (CSAT) and Net Promoter Score (NPS) surveys are deployed to obtain your feedback regarding our performance and leverage as part of our continuous improvement practice.

Scope of Work

State of Arkansas – Bureau of Legislative Research – MAC Committee Rooms and Auxiliary Rooms
Updates – Response to RFP Number: BLR-240001.

Applies to: Updates to two (2) Committee Rooms and Members Support Rooms, the Committee Room Lobby, two (2) Control Rooms, the Representatives 4th Floor Area and the Network Infrastructure to support the Updates.

Design Narrative

Updates of AV Technology for the following areas in the MAC Building:

1. Control Room – Committee Room A
2. Committee Room A – Audio, Video and Control
3. Control Room – Committee Room B
4. Committee Room B – Audio, Video and Control. Also includes audio for the two (2) Side Offices.
5. Committee Rooms – Facility Lobby Audio & Video
6. Members/Staff Areas – ALC Chair's Office, Office 2 & 3, Coffee Room, Members Lounge, Members Hallways, Members Bathrooms
7. 4th Floor Representative Office Area – Audio
8. Members Hall Conference Room A – Small – Presentation and UC Conference
9. Members Hall Conference Room B – Large – Presentation and UC Conference
10. Network Equipment and Infrastructure (AV NET) – Rack Room A, Rack Room B, Control Room, MDF & 4th Floor

** Please see the "**Environmental Considerations**" and "**Customer Responsibilities**" sections of this document for required room properties and deployment best practices. **

Scope of Work – Hardware Integration

This section describes hardware installation and general functionality or specifications. All equipment provided and installed by AVI-SPL unless otherwise specified.

Control Room – Committee Room A

The following devices will be integrated into the system:

- Audio System(s)
 - One (1) 32 mono-input (32 in x 32 out - Dante digital audio) mixing console.
 - Mixing Console includes 16 channels of Dan Dugan auto-mixing.
 - Mixing Console includes one (1) lamp to light the console surface.
 - Two (2) 6" active audio monitor speakers.
 - One (1) studio headphone
- Video System(s)
 - Two (2) 4K 55" displays on two (2) tilt wall-mounts.
 - One (1) 24" touch monitor with desk mount arm (for Newtek Live Panel macros/fast switching).
 - One (1) 27" display with desk mount arm (for the Newtek Tricaster control interface screen).
 - Three (3) HDMI/HDBaseT extender kits (for extending video from the Newtek/Vizrt Tricaster switcher to three (3) displays.
 - Two (2) DisplayPort to HDMI active adapters (for conversion of Newtek/Vizrt Tricaster DisplayPort outputs to HDMI).
 - One (1) Newtek/Vizrt Tricaster 2 Elite switcher (includes Live Call Connect 2.0)
 - One (1) year – ProTek Ultra support for Tricaster 2 Elite.
 - One (1) Newtek/Vizrt 2-Stripe switcher control panel
 - One (1) year – ProTek Ultra support for Tricaster 2-Stripe.
 - One (1) Newtek/Vizrt 10-Hour services plan for configuration and training.
- Archive/Storage System
 - One (1) Dell Inspiron Desktop Tower
 - One (1) OBS Studio – Windows software

- OBS Studio will receive Program output of the Newtek/Vizrt Tricaster 2 Elite switcher, via full NDI.
 - OBS Studio will record an H.264 (compressed) HD file onto the NAS.
 - One (1) 72TB NAS Diskstation with six (6) 12TB Seagate Ironwolf NAS drives.
- Discussion Mic Queue Management System
 - One (1) Dell Optiplex small form-factor PC computer for Discussion Mic queue system web browser.
- Newtek/Vizrt Live Panel System
 - One (1) Dell Optiplex small form-factor PC computer for Live Panel application.
 - One (1) USB2.0 extender kit for 24" touch monitor.
- Control Room KVM / Display System
 - One (1) 10-port KVM master controller
 - One (1) KVM user station
 - Two (2) DVI-D/HDMI access modules
 - One (1) for Discussion Mic Queue Management System PC computer.
 - One (1) for Archive/Storage System PC computer.
- Control Room – Control Panel
 - One (1) 10" control panel on desktop mount, to match Control Panel(s) in Committee Room A.
- Control Room – Equipment Rack
 - One (1) 54RU x 31" deep equipment rack to hold rack-based equipment.
 - For Control Room A and Control Room B. (Located on door-entry wall, opposite long desktop).
 - Fan Top, Side Panels, two (2) vertical power strips and two (2) 2200VA UPS backup devices provided.
- Control Room - Desktop
 - The OFE desktops will be used to support desktop-based equipment for the Control Room.
 - Long Wall – Control Room A
 - Short Wall – Control Room B

Committee Room A

The following devices will be integrated into the system:

- OFE/Owner-Furnished Display(s)
 - Ten (10) OFE/owner-furnished displays with mounts will be utilized in-place.
- OFE/Owner-Furnished Video Presentation Distribution Equipment
 - One (1) OFE/owner-furnished Extron DTP scaling presentation switcher with two (2) DTP outputs.
 - One (1) OFE/owner-furnished Extron 8-output DTP distribution amplifier.
 - Ten (10) OFE/owner-furnished Extron DTP receivers (at the ten displays).
- HDMI/USB-C IP Endpoints (for In-Room Computer Sources)
 - Three (3) HDMI/USB-C endpoints will be provided at the following locations:
 - One (1) at the Witness Desk
 - One (1) at the Chairperson Desk
 - One (1) at the Support Staff Desk
- HDMI Presentation Source Computers to OFE Video Distribution
 - One (1) IP Endpoint will be connected to one (1) input of the OFE Extron DTP scaling presentation switcher.
- HDMI Presentation Source Computers to full NDI Distribution
 - One (1) IP Endpoint HDMI output will be connected to one (1) HDMI to NDI encoder.
 - The NDI encoder will provide the full NDI live stream over the AV network.
 - The full NDI stream will be a source for the Newtek/Vizrt Tricaster 2 Elite video switcher in Control Room A.
- PTZ (Pan-Tilt-Zoom) Cameras
 - Ten (10) IP video, 80-degree x 12x optical zoom PTZ cameras will be wall-mounted in Committee Room A.
 - The cameras will receive preset recall information from the control system for Committee Room A.
 - The automation of the PTZ cameras is critical to remove the additional level of control by an operator in Control Room A.

- The cameras will provide integrated/switched IP video, direct to one (1) OFE/owner-furnished PC computer for UC (Teams/Zoom) calls.
- PTZ (Pan-Tilt-Zoom) Cameras – SDI Video Output to NDI Signal Conversion
 - The SDI outputs of the ten (10) PTZ cameras will be encoded to NDI at the Committee Room A Rack Room.
 - The NDI encoders will provide the full NDI live streams over the AV network.
 - The full NDI streams will be sources for the Newtek/Vizrt Tricaster 2 Elite video switcher in Control Room A.
 - One (1) 12-input SDI multiviewer will provide confidence video images from the ten (10) PTZ cameras at the Committee Room A Rack Room.
 - One (1) 24" display will sit on top of rack nearest to the Rack Room door, to allow easy viewing of the ten (10) PTZ camera images.
- OFE/Owner-Furnished Ceiling Speakers
 - Fifty (50) 12" OFE/owner-furnished ceiling speakers will be used and confirmed for a tap of around 16 watts.
 - Twelve (12) 6" OFE/owner-furnished ceiling speakers will be used and confirmed for a tap of around 16 watts.
 - The OFE/existing speaker cables will be used from the ceiling speakers to the Committee Room A Rack Room.
- Amplifiers for OFE/Owner-Furnished Ceiling Speakers
 - One (1) 700-watt x 4 channel network-based amplifier will be used to provide power to the fifty (50) OFE/owner-furnished 12" ceiling speakers, via the OFE/existing speaker cables.
 - Up to four (4) speaker zones will be established for the fifty (50) speakers.
 - One (1) 80-watt x 4 channel network-based amplifier will be used to provide power to the twelve (12) OFE/owner-furnished 6" ceiling speakers, via the OFE/existing speaker cables.
 - Up to four (4) speaker zones will be established for the twelve (12) speakers.
 - One (1) audio DSP core and control processor will be utilized and located in the Committee A Rack Room.
 - One (1) Capacity Scaling license is included.
 - One (1) Scripting Engine license is included.
 - One (1) UC Deployment Engine license is included.
 - The UC deployment engine helps ensure the far-end participants are heard in Committee Room A.
 - One (1) 4-Analog Audio Input Expander is provided (for connection of three (3) OFE/owner-furnished wireless microphone receivers).
 - One (1) GPIO/Logic Expander (for connection of Fire Alarm contact-closure, to mute audio during Fire Alarm).
 - Fire alarm contact-closure connection and cabling by others and is not the responsibility of AVI-SPL.
 - One (1) OFE/Owner-Furnished PC Computer
 - For UC software (Teams/Zoom Applications)
 - The OFE/owner-furnished PC computer, with the correct software, is not the responsibility of AVI-SPL.
- OFE/Owner-Furnished RF Assistive Listening System (ALS)
 - One (1) OFE/owner-furnished RF ALS transmitter will be used.
 - One (1) OFE/owner-furnished miscellaneous lot of RF ALS receivers, ear speakers and neck loops will be used.
 - One (1) remote RF antenna will be provided and installed into the ceiling, above Committee Room A.
- OFE/Owner-Furnished Wireless Microphone System(s)
 - Three (3) OFE/owner-furnished wireless microphone receivers.
 - Three (3) OFE/owner-furnished wireless handheld wireless microphone transmitter.
 - One (1) antenna combiner will be added to provide better performance of the OFE/owner-furnished wireless microphone system(s).
- Discussion Microphone System
 - One (1) system engine with recording and Dante 64-input x 64-output connectivity will be used and will connect to the audio DSP/control core.
 - One (1) browser unlock license will be provided for the Microphone Queue management.
 - Ten (10) discussion network extenders will be used to provide the physical network connections between the system engine and the delegate stations.
 - Ten (10) power supplies will be provided for the ten (10) discussion network extenders.
 - Ninety-Four (94) flexible delegate stations will be provided for Committee Room A.
 - Ninety-four (94) badge identification licenses will be used for the delegate stations.

- Ninety-Four (94) 27.5" gooseneck microphones will be provided for the ninety-four (94) delegate stations.
- One (1) RFID reader and two hundred (200) RFID blank badges will be provided for log-in at a delegate station by known meeting participants.
 - One (1) badge will be provided to each meeting participant/delegate.
 - One (1) badge will be created and provided as an onsite backup if a delegate forgets to bring their RFID badge.
 - The backup badges will be turned over to BLR.
 - The backup badges will be stored by BLR in a locked storage cabinet, near Committee Room A.
 - The locked storage cabinet will be the responsibility of BLR and not AVI-SPL.
- Discussion Microphone Queue Management
 - One (1) PC computer will be provided at the Chairperson desk for "Request to Speak" management of delegate members.
 - One (1) 24" display will be provided with the PC computer.
- Ceiling Microphone(s)
 - Three (3) ceiling microphones with three (3) microphone mount suspension kits.
 - Three (3) microphones will provide proper pickup of Committee Room A, as each microphone has a pickup pattern of around 30' x 30'.
 - The three (3) ceiling mics will be attached to the audio DSP/control core via Dante digital audio.
 - The three (3) ceiling mics will provide positional pickup (X/Y/Z) coordinates, for potential PTZ camera tracking and/or camera preset recalls.
 - The automation of the PTZ cameras is critical to remove the additional level of control by an operator in Control Room A.
- Audio "Press" Wall Panel(s)
 - Two (2) Line-Level Audio Panels will be provided new the public gallery area.
 - Each panel will have eight (8) XLR male outputs.
- Control Touch Screens
 - Two (2) 10" control touch screens on tabletop mounts will be provided.
 - One (1) located at the Chairperson Desk
 - One (1) located at a Support Staff Desk
- OFE/Owner-Furnished Equipment Racks
 - Two (2) equipment racks will be reconfigured for the new equipment.
 - Unused AV equipment, removed from the equipment racks, will be turned over to the BLR.

Control Room – Committee Room B

The following devices will be integrated into the system:

- Audio System(s)
 - One (1) 32 mono-input (32 in x 32 out - Dante digital audio) mixing console.
 - Mixing Console includes 16 channels of Dan Dugan auto-mixing.
 - Mixing Console includes one (1) lamp to light the console surface.
 - Two (2) 6" active audio monitor speakers.
 - One (1) studio headphone
- Video System(s)
 - Two (2) 4K 55" displays on two (2) tilt wall-mounts.
 - One (1) 24" touch monitor with desk mount arm (for Newtek Live Panel macros/fast switching).
 - One (1) 27" display with desk mount arm (for the Newtek Tricaster control interface screen).
 - Three (3) HDMI/HDBaseT extender kits (for extending video from the Newtek/Vizrt Tricaster switcher to three (3) displays).
 - Two (2) DisplayPort to HDMI active adapters (for conversion of Newtek/Vizrt Tricaster DisplayPort outputs to HDMI).
 - One (1) Newtek/Vizrt Tricaster 1 Pro switcher (includes Live Call Connect 2.0)
 - One (1) year – ProTek Ultra support for Tricaster 1 Pro.
 - One (1) Newtek/Vizrt Flex switcher control panel
 - One (1) year – ProTek Ultra support for Tricaster Flex.
 - One (1) Newtek/Vizrt 10-Hour services plan for configuration and training.

- Archive/Storage System
 - One (1) Dell Inspiron Desktop Tower
 - One (1) OBS Studio – Windows software
 - OBS Studio will receive Program output of the Newtek/Vizrt Tricaster 2 Elite switcher, via full NDI.
 - OBS Studio will record an H.264 (compressed) HD file onto the NAS.
 - One (1) 72TB NAS Diskstation with six (6) 12TB Seagate Ironwolf NAS drives.
- Discussion Mic Queue Management System
 - One (1) Dell Optiplex small form-factor PC computer for Discussion Mic queue system web browser.
- Newtek/Vizrt Live Panel System
 - One (1) Dell Optiplex small form-factor PC computer for Live Panel application.
 - One (1) USB2.0 extender kit for 24" touch monitor.
- Control Room KVM / Display System
 - One (1) 10-port KVM master controller
 - One (1) KVM user station
 - Two (2) DVI-D/HDMI access modules
 - One (1) for Discussion Mic Queue Management System PC computer.
 - One (1) for Archive/Storage System PC computer.
- Control Room – Control Panel
 - One (1) 10" control panel on desktop mount, to match Control Panel(s) in Committee Room B.

Committee Room B

The following devices will be integrated into the system:

- OFE/Owner-Furnished Display(s)
 - Six (6) OFE/owner-furnished displays with mounts will be utilized in-place.
- OFE/Owner-Furnished Video Presentation Distribution Equipment
 - One (1) OFE/owner-furnished Extron DTP scaling presentation switcher.
 - One (1) OFE/owner-furnished Extron 8-output DTP distribution amplifier.
 - Six (6) OFE/owner-furnished Extron DTP receivers (at the ten displays).
- HDMI/USB-C IP Endpoints (for In-Room Computer Sources)
 - Three (3) HDMI/USB-C endpoints will be provided at the following locations:
 - One (1) at the Witness Desk
 - One (1) at the Chairperson Desk
 - One (1) at the Support Staff Desk
- HDMI Presentation Source Computers to OFE Video Distribution
 - One (1) IP Endpoint will be connected to one (1) input of the OFE Extron DTP scaling presentation switcher.
- HDMI Presentation Source Computers to full NDI Distribution
 - One (1) IP Endpoint HDMI output will be connected to one (1) HDMI to NDI encoder.
 - The NDI encoder will provide the full NDI live stream over the AV network.
 - The full NDI stream will be a source for the Newtek/Vizrt Tricaster 2 Elite video switcher in Control Room B.
- PTZ (Pan-Tilt-Zoom) Cameras
 - Eight (8) IP video, 80-degree x 12x optical zoom PTZ cameras will be wall-mounted in Committee Room B.
 - The cameras will receive preset recall information from the control system for Committee Room B.
 - The automation of the PTZ cameras is critical to remove the additional level of control by an operator in Control Room B.
 - The cameras will provide integrated/switched IP video, direct to one (1) OFE/owner-furnished PC computer for UC (Teams/Zoom) calls.
- PTZ (Pan-Tilt-Zoom) Cameras – SDI Video Output to NDI Signal Conversion
 - The SDI outputs of the eight (8) PTZ cameras will be encoded to NDI at the Committee Room B Rack Room.
 - The NDI encoders will provide the full NDI live streams over the AV network.
 - The full NDI streams will be sources for the Newtek/Vizrt Tricaster 2 Elite video switcher in Control Room B.

- One (1) 12-input SDI multiviewer will provide confidence video images from the eight (8) PTZ cameras at the Committee Room B Rack Room.
 - One (1) 24" display will sit on top of rack nearest to the Rack Room door, to allow easy viewing of the eight (8) PTZ camera images.
- OFE/Owner-Furnished Ceiling Speakers
 - Seventeen (17) 12" OFE/owner-furnished ceiling speakers will be used and confirmed for a tap of around 16 watts.
 - Four (4) 6" OFE/owner-furnished ceiling speakers will be used and confirmed for a tap of around 16 watts.
 - The OFE/existing speaker cables will be used from the ceiling speakers to the Committee Room B Rack Room.
- Amplifiers for OFE/Owner-Furnished Ceiling Speakers
 - One (1) 350-watt x 4 channel network-based amplifier will be used to provide power to the seventeen (17) OFE/owner-furnished 12" ceiling speakers, via the OFE/existing speakers and the four (4) OFE/owner-furnished 6" ceiling speakers, via the OFE/existing speaker cables.
 - Up to four (4) speaker zones will be established for the twenty-one (21) speakers.
 - One (1) audio DSP core and control processor will be utilized and located in the Committee B Rack Room.
 - One (1) Capacity Scaling license is included.
 - One (1) Scripting Engine license is included.
 - One (1) UC Deployment Engine license is included.
 - The UC deployment engine helps ensure the far-end participants are heard in Committee Room B.
 - One (1) 4-Analog Audio Input Expander is provided (for connection of two (2) OFE/owner-furnished wireless microphone receivers).
 - One (1) GPIO/Logic Expander (for connection of Fire Alarm contact-closure, to mute audio during Fire Alarm).
 - Fire alarm contact-closure connection and cabling by others and is not the responsibility of AVI-SPL.
 - One (1) OFE/Owner-Furnished PC Computer
 - For UC software (Teams/Zoom Applications)
 - The OFE/owner-furnished PC computer, with the correct software, is not the responsibility of AVI-SPL.
- OFE/Owner-Furnished RF Assistive Listening System (ALS)
 - One (1) OFE/owner-furnished RF ALS transmitter will be used.
 - One (1) OFE/owner-furnished miscellaneous lot of RF ALS receivers, ear speakers and neck loops will be used.
 - One (1) remote RF antenna will be provided and installed into the ceiling, above Committee Room A.
- OFE/Owner-Furnished Wireless Microphone System(s)
 - Two (2) OFE/owner-furnished wireless microphone receivers.
 - Two (2) OFE/owner-furnished wireless handheld wireless microphone transmitter.
 - One (1) antenna combiner will be added to provide better performance of the OFE/owner-furnished wireless microphone system(s).
- Discussion Microphone System
 - One (1) system engine with recording and Dante 64-input x 64-output connectivity will be used and will connect to the audio DSP/control core.
 - One (1) browser unlock license will be provided for the Microphone Queue management.
 - Three (3) discussion network extenders will be used to provide the physical network connections between the system engine and the delegate stations.
 - Three (3) power supplies will be provided for the three (3) discussion network extenders.
 - Thirty-three (33) flexible delegate stations will be provided for Committee Room B.
 - Thirty-three (33) badge identification licenses will be used for the delegate stations.
 - Thirty-three (33) 27.5" gooseneck microphones will be provided for the thirty-three (33) delegate stations.
 - One (1) RFID reader and one hundred (100) RFID blank badges will be provided for log-in at a delegate station by known meeting participants.
 - One (1) badge will be provided to each meeting participant/delegate.
 - One (1) badge will be created and provided as an onsite backup if a delegate forgets to bring their RFID badge.
 - The backup badges will be turned over to BLR.
 - The backup badges will be stored by BLR in a locked storage cabinet, near Committee Room A.
 - The locked storage cabinet will be the responsibility of BLR and not AVI-SPL.

- Discussion Microphone Queue Management
 - One (1) PC computer will be provided at the Chairperson desk for “Request to Speak” management of delegate members.
 - One (1) 24” display will be provided with the PC computer.
- Ceiling Microphone(s)
 - Two (2) ceiling microphones with two (2) microphone mount suspension kits.
 - Two (2) microphones will provide proper pickup of Committee Room B, as each microphone has a pickup pattern of around 30’ x 30’.
 - The two (2) ceiling mics will be attached to the audio DSP/control core via Dante digital audio.
 - The two (2) ceiling mics will provide positional pickup (X/Y/Z) coordinates, for potential PTZ camera tracking and/or camera preset recalls.
 - The automation of the PTZ cameras is critical to remove the additional level of control by an operator in Control Room B.
- Audio “Press” Wall Panel(s)
 - Two (2) Line-Level Audio Panels will be provided new the public gallery area.
 - Each panel will have eight (8) XLR male outputs.
- Control Touch Screens
 - Two (2) 10” control touch screens on tabletop mounts will be provided.
 - One (1) located at the Chairperson Desk
 - One (1) located at a Support Staff Desk
- OFE/Owner-Furnished Equipment Racks
 - Two (2) equipment racks will be reconfigured for the new equipment.
 - Unused AV equipment, removed from the equipment racks, will be turned over to the BLR.
- Committee Room B – (Qty 2) Side Offices
 - One (1) 6” OFE/owner-furnished ceiling speaker will be used and confirmed for a tap of around 16 watts.
 - The OFE/existing speaker cable will be used from the ceiling speaker to the Committee Room B Rack Room.
 - One (1) network-based audio controller will be provided on the wall of each Side Office.
 - The existing volume controller will be removed.
 - A 2-gang plate with one (1) Decora blank and the network audio controller will be mounted in the same wall box used by the old volume controller.

Committee Rooms A & B - Lobby

The following devices will be integrated into the system:

- Equipment Rack
 - One (1) 8-space, 18” deep equipment rack will be used to hold the rack-based AV equipment. The rack will be in the credenza, located behind the receptionist desk area.
 - One (1) rackmount power strip will be provided.
 - One (1) rack shelf will be provided.
- Control System
 - One (1) 7” control touch screen will be mounted on the wall located behind the receptionist desk area.
 - Control of display power on/off
 - Control of input sources to the displays.
 - Control of speaker volume up/down/mute
- Audio System
 - Twelve (12) 6” audio speakers will be installed in the Lobby ceiling.
 - One (1) 80w x 4 channel network-based audio amplifier will be installed.
- Video System(s)
 - Two (2) OFE/owner-furnished displays will be removed from each side of the Committee Room A entry doors. The two (2) OFE displays will be moved and reinstalled near the outer-Lobby windows, next to two (2) columns. The two (2) OFE displays will be mounted from the Lobby ceiling. A minimum clearance height of 80”, from the Lobby floor to the bottom of the two (2) OFE displays, will be observed to accommodate the ADA circulation path.

- AVI-SPL is providing the services of an electrical contractor to move the existing AC outlets to serve the new display locations near the Lobby windows.
- Patching and painting, after the two (2) OFE displays and AC power receptacles are moved, is by others. AVI-SPL is not responsible for patching and painting.
- Two (2) OFE/owner-furnished displays, with mounts, will be removed near each of the two (2) Committee Room B entry doors. The two (2) OFE displays will be remounted on the angled lobby wall, next to where the displays are currently installed. A minimum clearance height of 80", from the Lobby floor to the bottom of the two (2) OFE displays, will be observed to accommodate the ADA circulation path.
- AVI-SPL is providing the services of an electrical contractor to move the existing AC outlets to serve the new display locations on the angled walls.
- Patching and painting, after the two (2) OFE displays and AC power receptacles are moved, is by others. AVI-SPL is not responsible for patching and painting.
- One (1) 4-input x 4-output HDMI/HDBaseT matrix switcher will be used and located in the equipment rack.
- Four (4) HDBaseT to HDMI receivers will be mounted at the four (4) OFE/owner-furnished displays.
 - The following devices will provide the source inputs to the 4 x 4 matrix switcher.
 - One (1) OFE/owner-furnished PC computer, running digital signage and/or website.
 - Two (2) full NDI to HDMI decoders.
 - Decoder 1 – Control Room A – Switcher Program/On-Air output
 - Decoder 2 – Control Room B – Switcher Program/On-Air output.

Members – Staff Areas

The following devices will be integrated into the system:

- ALC Chair's Office
 - One (1) OFE/owner-furnished ceiling speaker will be used.
 - One (1) network-based audio controller will be provided on the office wall.
 - The existing volume controller will be removed.
 - A 2-gang plate with one (1) Decora blank and the network audio controller will be mounted in the same wall box used by the old volume controller.
 - One (1) 43" display with tilt wall mount will be provided.
 - One (1) handheld IR remote controller (included) will provide local display control.
 - One (1) NDI decoder will be mounted behind the display.
- Office 2, Office 3, and the Coffee Room
 - One (1) OFE/owner-furnished ceiling speaker will be used.
 - One (1) network-based audio controller will be provided on the office wall.
 - The existing volume controller will be removed.
 - A 2-gang plate with one (1) Decora blank and the network audio controller will be mounted in the same wall box used by the old volume controller.
- Members Lounge
 - Four (4) OFE/owner-furnished ceiling speakers will be used.
 - One (1) network-based audio controller will be provided on the office wall.
 - The existing volume controller will be removed.
 - A 2-gang plate with one (1) Decora blank and the network audio controller will be mounted in the same wall box used by the old volume controller.
 - One (1) 55" display with tilt wall mount will be provided.
 - One (1) handheld IR remote controller (included) will provide local display control.
 - One (1) NDI decoder will be mounted behind the display.
- Members Hallway – Behind Committee Room A
 - Three (3) OFE/owner-furnished ceiling speakers will be used.
 - One (1) network-based audio controller will be provided on the hallway wall.
 - The existing volume controller will be removed.

- A 2-gang plate with one (1) Decora blank and the network audio controller will be mounted in the same wall box used by the old volume controller.
- Members Hallway & Member Bathrooms – Behind Committee Room B
 - Five (5) OFE/owner-furnished ceiling speakers will be used.
 - One (1) network-based audio controller will be provided on the hallway wall.
 - The existing volume controller will be removed.
 - A 2-gang plate with one (1) Decora blank and the network audio controller will be mounted in the same wall box used by the old volume controller.
- Audio Amplifier – Members Area – Committee Room A Rack Room
 - One (1) 80-watt x 8 channel network-based amplifier will power and provide zone control for the speakers in the Members area.
- One (1) audio DSP/Control core processor
 - One (1) Scripting Engine license is provided.
 - One (1) UC Deployment Engine license is provided.
- One (1) IP endpoint for connectivity at one (1) interactive touch display.
- One (1) IP endpoint mounted under the table for HDMI/USB-C connections for one (1) OFE/owner-furnished laptop computer.
- One (1) OFE/owner-furnished laptop computer for BYOD Microsoft Teams or Zoom sessions.
- One (1) OFE/owner-furnished tabletop AV box, mounted in the conference room table.
 - AVI-SPL will provide and install HDMI and USB-C inserts in the one (1) OFE/owner-furnished tabletop AV box.
 - AVI-SPL will utilize the existing AC power at the floor, under the conference room table.
- One (1) 80-degree x 12x optical zoom pan-tilt-zoom camera, mounted on the wall near one (1) interactive touch display.
- One (1) 75" interactive touch display with one (1) wall mount.
- Two (2) full NDI to HDMI decoders to select between the Control Room A or B video production switcher Program/On-Air outputs.
- One (1) 7" Control touch panel with tabletop mount for the conference room table.
 - The 7" touch panel will provide source selection control, interactive display on/off, speaker volume control up/down/mute and PTZ camera control.
- One (1) 24-port Gigabit Ethernet network switch with POE+ will be provided for AV over IP and control connectivity for Conference Room A and Conference Room B. The switch will be in the Committee Room A equipment racks.
 - Two (2) single-mode 10GE SFP+ single-mode modules will be provided for connection of the network switch to the AV NET infrastructure.

4th Floor – Representative Offices

The following devices will be integrated into the system:

- Sixty-one (61) 6" ceiling speakers will be mounted in the ceilings of sixty-one (61) Representative offices.
- Twelve (12) 6" ceiling speakers will be mounted in the ceiling of the 4th floor Common Area.
 - Speaker cable will be used from the ceiling speakers to the 4th Floor IDF closet to one (1) OFE/owner-furnished equipment rack.
 - Eight (8) 80-watt x 8 channel network-based amplifiers will be installed in the one (1) OFE/owner-furnished equipment rack.
 - Sixty-one (61) wall-mounted IP volume controllers will be mounted on an accessible wall, in each of the sixty-one (61) offices.
 - Two (2) wall-mounted IP volume controllers will be mounted on an accessible wall, in two (2) locations of the 4th Floor Common Area.
- The BLR/others will provide the displays for the sixty-one (61) offices and the (2) Common Areas of the 4th floor. As requested by the BLR, AVI-SPL has utilized the following devices as the basis of the design.
 - Sixty-three (63) OFE Sony FW-43EZ20L 16/7-Rated Commercial Displays
 - Sixty-three (63) OFE Chief MTM1U tilt wall mounts
 - Sixty-three (63) OFE Birdog BD-Play NDI Decoders
 - Sixty-three (63) OFE CAT6A shielded cable from the 4th Floor IDF to the sixty-three (63) display locations.

Members Hall Conference Room A – Small Conference Room

The following devices will be integrated into the system:

- Two (2) OFE/owner-furnished 6" ceiling speakers.
- One (1) network-based audio amplifier to power the two (2) OFE/owner-furnished ceiling speakers.
- Two (2) network-based tabletop microphones
- One (1) audio DSP/Control core processor
 - One (1) Scripting Engine license is included.
 - One (1) UC Deployment Engine license is included.
- One (1) IP endpoint for connectivity at one (1) interactive touch display.
- One (1) IP endpoint mounted under the table for HDMI/USB-C connections for one (1) OFE/owner-furnished laptop computer.
- One (1) OFE/owner-furnished laptop computer for BYOD Microsoft Teams or Zoom sessions.
- One (1) tabletop AV box, mounted in the conference room table, with HDMI and USB-C connectivity.
- One (1) 6" fire-rated floor poke-thru box.
 - One (1) floor core will be provided by an electrical subcontractor, at the center of the conference room table location.
 - Access to the concrete floor by removal/adjustment/replacement of the carpet will be provided by BLR/others. The carpet removal/adjustment/replacement will not be the responsibility of AVI-SPL.
- One (1) 6" fire-rated floor poke-thru box.
 - One (1) floor core will be provided by an electrical subcontractor through the floor of the most local closet with an OFE/owner-furnished electrical breaker panel.
 - The electrical subcontractor will provide the MC armored electrical cable and one (1) 120-volt, 20-amp single pole circuit breaker, to install into one (1) OFE/owner-furnished circuit breaker panel.
- One (1) 80-degree x 12x optical zoom pan-tilt-zoom camera, mounted on the wall near one (1) interactive touch display.
- One (1) 65" interactive touch display with one (1) wall mount.
- Two (2) full NDI to HDMI decoders to select between the Control Room A or B video production switcher Program/On-Air outputs.
- One (1) 7" Control touch panel with tabletop mount for the conference room table.
 - The 7" touch panel will provide source selection control, interactive display on/off, speaker volume control up/down/mute and PTZ camera control.

Members Hall Conference Room B – Large Conference Room

The following devices will be integrated into the system:

- Four (4) 6" ceiling speakers.
- One (1) network-based audio amplifier to power the four (4) 6" ceiling speakers.
- Three (3) network-based tabletop microphones
- One (1) audio DSP/Control core processor
 - One (1) Scripting Engine license is provided.
 - One (1) UC Deployment Engine license is provided.
- One (1) IP endpoint for connectivity at one (1) interactive touch display.
- One (1) IP endpoint mounted under the table for HDMI/USB-C connections for one (1) OFE/owner-furnished laptop computer.
- One (1) OFE/owner-furnished laptop computer for BYOD Microsoft Teams or Zoom sessions.
- One (1) OFE/owner-furnished tabletop AV box, mounted in the conference room table.
 - AVI-SPL will provide and install HDMI and USB-C inserts in the one (1) OFE/owner-furnished tabletop AV box.
 - AVI-SPL will utilize the existing AC power at the floor, under the conference room table.
- One (1) 80-degree x 12x optical zoom pan-tilt-zoom camera, mounted on the wall near one (1) interactive touch display.
- One (1) 75" interactive touch display with one (1) wall mount.
- Two (2) full NDI to HDMI decoders to select between the Control Room A or B video production switcher Program/On-Air outputs.
- One (1) 7" Control touch panel with tabletop mount for the conference room table.
 - The 7" touch panel will provide source selection control, interactive display on/off, speaker volume control up/down/mute and PTZ camera control.

- One (1) 24-port Gigabit Ethernet network switch with POE+ will be provided for AV over IP and control connectivity for Conference Room A and Conference Room B. The switch will be in the Committee Room A equipment racks.
 - Two (2) single-mode 10GE SFP+ single-mode modules will be provided for connection of the network switch to the AV NET infrastructure.

Network & Structured Cabling – Audio/Video Dedicated Network (AV NET)

The following devices will be integrated into the system:

- Committee Rack Room A
- Audio (Dante Primary), Video, Control
 - One (1) 48-port, Gigabit Ethernet network switch with POE+ and 4xSFP+.
 - One (1) 24-port, Gigabit Ethernet network switch with POE+ and 4xSFP+.
- Audio (Dante Secondary)
 - One (1) 24-port, Gigabit Ethernet network switch with POE+ and 4xSFP+.
- Internet (Physically separated from the AV NET switches).
 - One (1) 24-port, Gigabit Ethernet network switch with POE+ and 4xSFP+.
- Committee Rack Room B
- Audio (Dante Primary), Video, Control
 - One (1) 48-port, Gigabit Ethernet network switch with POE+ and 4xSFP+.
- Audio (Dante Secondary)
 - One (1) 24-port, Gigabit Ethernet network switch with POE+ and 4xSFP+.
- Internet (Physically separated from the AV NET switches).
 - One (1) 24-port, Gigabit Ethernet network switch with POE+ and 4xSFP+.
- Control Room
- Audio (Dante Primary), Video, Control
 - One (1) 24-port, Gigabit Ethernet network switch with POE+ and 4xSFP+.
- Audio (Dante Secondary)
 - One (1) 24-port, Gigabit Ethernet network switch with POE+ and 4xSFP+.
- Internet (Physically separated from the AV NET switches).
 - One (1) 24-port, Gigabit Ethernet network switch with POE+ and 4xSFP+.
- At MDF – Internet (Physically separated from the AV NET switches).
 - One (1) 24-port, Gigabit Ethernet network switch with POE+ and 4xSFP+.
- 4th Floor IDF
- Audio (Dante Primary), Video, Control
 - Three (3) 48-port, Gigabit Ethernet network switch with POE+ and 4xSFP+.
- Audio (Dante Secondary)
 - One (1) 24-port, Gigabit Ethernet network switch with POE+ and 4xSFP+.
- SFP+ Modules – AV NET
 - Twelve (12) 10GE SFP+ modules will be used for connection of the Dante Primary, Video and Control switches.
 - Six (6) 10GE SFP+ modules will be used for connection of the Dante Secondary switches.
- SFP+ Modules – Internet
 - Six (6) 10GE SFP+ modules will be used for connection of the Internet switches.
- Fiber Optic Enclosures – AV NET
 - Five (5) Patch Panel Housing (holds 2 fiber optic patch panels in 1RU enclosure).
 - Five (5) Single-Mode 12LC Duplex Patch Panel
- Single-Mode Tactical Fiber Cable Assemblies – AV NET
 - Three (3) 250', 6 Duplex LC Pairs
- CAT6A Shielded Patch Panels
 - Nine (9) 24-port panels for AV NET.
 - Two (2) 24-port panels for Televic Discussion Mic System connectivity.
- Fiber Optic Enclosures – Internet

- Four (4) Single-Mode 12LC Duplex Patch Panel
- Single-Mode Tactical Fiber Cable Assemblies – Internet
 - Three (3) 250', 6 Duplex LC Pairs
- CAT6A Shielded Patch Panels - Internet
 - Four (4) 24-port panels

ATTACHMENT:

State of Arkansas

BLR MAC – Committee Rooms A and B

Design Approach – Discussion Microphone System

Audio Fidelity

Televic understands that BLR MAC Committee Rooms A and B are free seating, that delegates are allowed to choose any seat, and that this practice adds challenges to the broadcast operators tasked with providing the highest audio quality for production. As such, the Televic design approach for obtaining the highest quality audio with free seating in BLR MAC Committee rooms A and B is to enable the RFID badge authentication feature on each of the Televic FLEX microphone stations and monitor in real time where delegates are seated. This seat information is passed instantly and continuously through our RESTful API to the DSP control protocols and used to make Dante audio routing decisions that result in a fixed location on the audio control board. Meaning that the audio signal representing a specific delegate, will always be controlled on a dedicated fader, no matter where that delegate sits in the committee room.

For example, if Delegate A sits in Committee Room A at seat 35, the Televic system logs that pairing (Delegate A at seat 35). During the meeting, Delegate A will request to speak by pressing the RTS button on the FLEX tabletop microphone station, once approved, the Televic system sends data to the DSP controller that Dante channel 1 from Televic is used by Delegate A, route this channel to audio control board fader X. This all happens instantly and means that the broadcast operator always knows which fader to control for each delegate.

Request to Speak

As stated in the RFP documentation, Committee Rooms A and B operate in Request to Speak mode. By using the RFID authentication, the names of the requesting Delegates can also be displayed to the Chair and Operator positions so that these roles are aware of who has requested to speak and in what order they requested. Televic has a flexible system that can allow the Chair to recognize delegates in any order – not just in chronological order.

Failure is not an option.

Communication within these important meeting spaces is critical for successful government and failure of the system is not an option. The Televic system uses a closed loop redundant topography to ensure any damage to a device is isolated to that singular device only and the continued operation of all other devices is ensured. Any technical issue is noted to the technician including the location of the damaged device so that it can be hot swapped in a matter of minutes with identical spare units.

Future Expansion

While features such as voting, electronic Nameplates, and multimedia terminals have not been included in this design, the infrastructure supports these features for future expansion without major changes to the design.

Scope of Work – Software Integration

A control system will be provided to activate many necessary user needs. This greatly reduces the complexities of operating an integrated A/V system and facilitates greater system utilization and an enhanced meeting experience.

User Experience

Developing a unique system based upon the end users' needs and an understanding of how the space will be utilized has led AVI-SPL to identify three styles of user and room interactions: Autopilot, Co-Pilot, and Pilot. These styles range from the user who wants to use technology transparently, to the person who wants to control every aspect of collaboration. Based on the design requirements, AVI-SPL has selected the following user experience for this room:

Pilot

This is a fully user driven room experience. User interaction is required for most system features, and a user interface is required. Automation in this experience is minimal, and typically limited to core events to shut down the room to reduce power consumption and preserve equipment life. Use and function for this experience commonly includes spaces designed for mixed use, training rooms, and control rooms.

The goal of this automation level is for end users to be in control. The user will direct the room when to present, dial a call, and control a device.

For more specific information about the chosen automation design and use cases, please refer to the User Experiences section of the *AVI-SPL Programming Functionality Statements* document.

User Interface

The user interface will facilitate advanced system operation. The following user interface(s) will be used for this system:

- The touch screen graphical user interface will be a custom solution specifically for this project. This custom solution will require coordination meetings with AVI-SPL to design, submit and approve prior to completing all control code creation. Please reference the *Custom User Interface* scope of work document for specific details on this option.
 - AVI-SPL will provide the layout and the functionality of each button for each user page of the touch screen to the Customer prior to implementation for client input and final client approval.
- All specified equipment in the proposal will be incorporated into the control system.

As part of the programming process, AVI-SPL will provide the layout and the functionality of each button to the Customer prior to implementation for input and final approval.

System Events

As part of the control system programming, many system level events can be monitored and acted upon. The following system events will be included in this system:

Video Signal Detection

When signal is detected on a video input device, the control system will power on the display(s) and the connected device will be routed to the display(s).

After a period of time without any signal detection, the control system will power down the display(s).

For more specific information about the chosen system events, please refer to the System Events section of the *AVI-SPL Programming Functionality Statements* document.

Environmental Controls

As part of the control system programming, any available environmental controls can be incorporated into the control system. The following environmental controls will be included in this system:

No Environmental Controls

Additional environmental controls will not be provided by the control system. Control of lighting, shades, or HVAC will be provided by the original equipment manufacturer.

Network and Network Security

The integration of Audio-Visual hardware can consist of many different devices and systems, each with varying network requirements, impacts to traffic and routing, and unique management and security processes. AVI-SPL will work with State of Arkansas/BLR identified stakeholders to properly assess network requirements and deployment considerations.

AVI-SPL will design the system to meet identified network requirements and will provide construction drawings and a list of devices before installation on site. At the time of installation, AVI-SPL will connect devices according to the documented system design and identified network requirements. The following network design is being followed for this project:

Isolated AV Network

All hardware being installed is not required to connect to the owner network. Networking and security implementation will be deployed within industry best practices.

**** Please see the “Customer Responsibilities” and “Software Licenses and Service Accounts” sections of this document for deployment best practices and installation requirements. Additional information regarding specific applicable processes and procedures can be referenced in the “AVI-SPL Network and Security” addendum to this document. ****

Customer Responsibilities

These are items that AVI-SPL is dependent upon to complete the project scope of work on time, however, these requirements and responsibilities are not provided by AVI-SPL. For a complete list of exclusions, please refer to the Integration Inclusions and Exclusions section of this proposal.

These requirements must be provided by the owner or other 3rd parties and may fall under the responsibility of an Architect, General Contractor, Electrical Contractor, Data Contractor, Security Contractor, Furniture/Millwork Contractor, IT departments, Facilities or Real Estate groups.

- All required backing and any other wall reinforcement required to safely accommodate displays. Any display wall shall be properly backed to withstand the weight of the display with a safety factor of at least 5:1.
- All AC power at the equipment locations, including hardwired power connections.
- All required conduit for low voltage cable paths to AV equipment.
- All ceiling work required to accommodate the projectors, projection screens, and other equipment.
- All required millwork modifications to tables or other millwork.
- Proper heat dissipation venting for the equipment in this system. Where convection cooling is not possible, a powered venting system with thermostatically controlled quiet fans.
- All required network configuration for any network connection to the client network.
- All software or hardware licenses not specifically provided in this scope of work or associated bill of materials.
- All software or hardware configuration for owner furnished equipment.
- Where VoIP is utilized, all required configuration information prior to installation.
- All cable/satellite/over-the-air TV connections and all associated hardware.

Site Readiness

The minimum acceptable site conditions of the project site for the installation of electronic equipment are as follows.

- The rooms and directly adjacent areas into which the equipment will be installed must be dust-free with floor, ceiling, and wall finishes to be completely installed in the rooms affected by the equipment.
- The rooms into which the equipment will be installed must be secure.
- All Electrical power, conduit systems, HVAC systems, IT requirements (wired or wireless services), communication circuits, and other services required by the systems and equipment should be fully installed, energized, and configured for use.
- All furniture into which components of the equipment will be installed shall be present at the time of staging and/or installation.
- All telephone, POTS, VOIP, modem, PRI, data, LAN, and telecommunications connections are installed, fully tested, and active.
- Configuration of OFE networks, applications, servers, and services to provide interoperability with installed systems.
- Coordination and timely IT support and documentation (such as providing IP addresses or account credentials).

Integration Inclusions & Exclusions

Inclusions

The following items are INCLUDED in the project scope of work:

- All equipment, wire and accessories which are required for a fully functional audio and video system.
- Documentation package including as-built system CAD diagrams and Manufacturer's Operation manuals.
- Coordination and cooperation with the Bureau of Legislative Research team, regarding the installation of the system.
- User training on system operation.

Where applicable, the Bureau of Legislative Research will provide AVI-SPL's engineering department with all required architectural floor plans, reflected ceiling, building elevation, and section plans in AutoCAD® format at no charge to AVI-SPL.

Exclusions

- All conduits, high voltage wiring panels, breakers, relays, boxes, receptacles, etc., NOT related to the very specific RFP requests for high voltage updates for BLR-240001 and not shown above in the AVI-SPL scope of work for BLR-240001. Any work NOT related to the very specific RFP requests for the high voltage updates would include but not be limited to 110VAC, conduit, core drilling, raceway and boxes.
- Voice/data cabling, IE analogue phone lines, ISDN lines, network ports, etc.
- State of Arkansas Network/Internet connectivity, routing, switching and port configuration necessary to support audiovisual equipment for live streaming purposes.
- Removal, replacement or repair of the carpet in Conference Room A, where concrete core drilling will take place by AVI-SPL's electrical subcontractor.
- Fire wall, ceiling, roof and floor penetration, patching, removal or fire-stopping.
- Necessary sheet rock replacement, ceiling tile, T-bar replacement and/or repair.
- Any and all millwork (moldings, trim, etc.). All millwork or modifications to project millwork to accommodate the AV equipment is to be provided by others, unless otherwise noted in this proposal.
- Painting, patching or finishing of architectural surfaces.
- Permits (unless specifically provided for elsewhere in the contract).
- HVAC and plumbing relocation.

- Rough-in, bracing, framing or finish trim carpentry for installation.
- Cutting, structural welding, or reinforcement of structural steel members required for support of assemblies, if required
- Owner-furnished equipment (OFE) or equipment by others that is integrated into the systems (as described above) is assumed to be current, industry acceptable and in good working order. If it is determined that this equipment is faulty upon installation, additional project charges will be incurred for the replacement of the faulty OFE/owner-furnished equipment.
- Additional costs for installation labor outside the hours of 8am-5pm local time are not included in the costs of this proposal.

Software Licenses and Service Accounts

Supervised or direct access to systems must be provided as needed for a properly provisioned and licensed account where appropriate. Examples include Zoom Rooms activation codes, Microsoft Teams accounts, calendar service account, and more.

- The customer may decide not to provide credentials to AVI-SPL, and to provision the installed hardware themselves. In this case AVI-SPL will be unable to fully test the system before receiving sign-off for the installation. All system components will be tested individually to ensure proper stand-alone function, and project sign-off will be requested before technicians leave site.
- If AVI-SPL is unable to properly commission and test the system at the time of installation due to issues with access, an additional site visit may be required. Any additional visits will be billed at the standard contracted labor rate, provided the State of Arkansas/BLR is at fault and approves additional cost in advance and in writing, scheduling will be done on a best effort basis.

Room Environmental Considerations

To maximize the user experience in a conferencing room, the following parameters should be observed:

- The room should have a measured ambient noise level of no more than NC35. For new spaces, the design parameters for the mechanical engineering within the room should have a target NC of 35 or less. Ambient noise includes noise from the air handling systems, mechanical systems, and noises outside the building. Noise levels above this specification adversely affect the meeting environment and may degrade the overall audio quality and intelligibility of a conference call. This is especially important when ceiling microphones are utilized. If a problem is identified with ambient noise levels, AVI-SPL can work with your mechanical engineer to identify possible solutions to lower the NC rating and improve the meeting experience.
- Reverberation time (RT60) for typical conference rooms should be less than 0.6 seconds in the 125 - 4000 Hz octave bands to provide an optimum meeting experience and acceptable audio quality in a conference call. A significant number of hard surfaces in a room (glass, drywall, or other surfaces) can adversely affect audio intelligibility and the meeting experience overall. Acoustic treatment is advised for rooms with higher RT60 levels. If the room requires acoustical treatment, AVI-SPL can provide direction and solutions to overcome this issue and enhance the meeting experience for the participants.
- Evenly distributed lighting is important for videoconferencing applications. The lighting on the faces of the participants should be at least 40-foot candles and should be evenly distributed throughout the camera's field of view. Where the camera's field of view includes windows, recommended window treatment should be employed to provide an acceptable background for the camera to view the participants.
- When microphones are used for local voice reinforcement, the amount of available gain before feedback is dependent on the microphone's location within the room. Placement of the microphone immediately below a ceiling speaker may adversely affect the overall required audio level and cause feedback. Care should be taken to reduce the volume level of the microphone or locate the microphone(s) correctly to minimize the possibility of feedback.

Timeframe

ID	Task Name	Duration	Start	M	T	W	T	F
1	AVI-SPL OPPORTUNITY 447705	182 days	Mon 4/1/24					
2	AVI-SPL INTERNAL PROCESS	6 days	Mon 4/1/24					
3	CONTROL ROOM A	14 days?	Mon 4/8/24					
45	COMMITTEE ROOM A	22 days	Thu 4/25/24					
86	CONTROL ROOM B	26 days	Fri 5/24/24					
127	COMMITTEE ROOM B	25 days	Fri 7/5/24					
168	FACILITY LOBBY	18 days	Thu 8/8/24					
209	MEMBERS / STAFF AREA	14 days	Mon 9/2/24					
250	4TH FLOOR OFFICES	15 days	Thu 9/19/24					
251	PROJECT ENGINEERING	4 days	Thu 9/19/24					
252	EQUIPMENT REVIEW (BOM)	2 days	Thu 9/19/24					
253	PRE CAD EVALUATION	1 day	Fri 9/20/24					
254	CAD	3 days	Thu 9/19/24					
255	M&E DRAWINGS	2 days	Thu 9/19/24					
256	FUNCTIONAL DRAWINGS	2 days	Fri 9/20/24					
257	DRAWING REVIEW	1 day	Mon 9/23/24					
258	PROGRAMMING	2 days	Mon 9/23/24					
259	CODE CREATION	2 days	Mon 9/23/24					
260	TESTING	1 day	Tue 9/24/24					
261	GUI REVIEW CALL	0 days	Tue 9/24/24					
262	PROJECT MANAGEMENT	6 days	Thu 9/19/24					
263	PROJECT REVIEW	1 day	Thu 9/19/24					
264	INTERNAL MEETINGS	2 days	Thu 9/19/24					
265	EXTERNAL MEETINGS	2 days	Fri 9/20/24					
266	SCHEDULING	4 days	Mon 9/23/24					
267	CUSTOMER UPDATES	1 day	Thu 9/26/24					
268	PROJECT COORDINATION	2 days	Mon 9/23/24					
269	PROCURE EQUIPMENT	1 day	Mon 9/23/24					
270	EQUIPMENT TRACKING	2 days	Mon 9/23/24					
271	ADMINISTRATIVE DUTIES AS NEEDED	0 days	Tue 9/24/24					
272	INSTALLATION	7 days	Thu 9/26/24					
273	WIRE PULL	1 day	Thu 9/26/24					
274	INSTALL SPEAKERS	2 days	Fri 9/27/24					
275	INSTALL DEVICES	3 days	Wed 10/2/24					
276	INSTALL RACKS	1 day	Fri 10/4/24					
277	TECH SHOP	2 days	Wed 9/25/24					
278	RACK BUILD	2 days	Wed 9/25/24					
279	INSTALL CODE	1 day	Thu 9/26/24					
280	INSTALL FIRMWARE	1 day	Thu 9/26/24					
281	COMMISSIONING	3 days	Mon 10/7/24					
282	TESTING	2 days	Mon 10/7/24					

Project: AVI-SPL OPPORTUNITY
Date: Fri 3/22/24

Task Split Milestone Summary

Project Summary Inactive Task Inactive Milestone Inactive Summary

Manual Task Duration-only Manual Summary Rollup Manual Summary

Start-only Finish-only External Tasks External Milestone

Deadline Progress Manual Progress

Page 1

ID	Task Name	Start	Duration	M	T	W	T	F
283	CUSTOMER TRAINING	Wed 10/9/24	1 day					
284	CLOSEOUT	Fri 10/4/24	4 days					
285	PUNCHLIST CREATED	Fri 10/4/24	1 day					
286	PUNCHLIST RESOLVED	Fri 10/4/24	2 days					
287	CUSTOMER SIGNOFF	Tue 10/8/24	0 days					
288	MANUALS ARCHIVED	Fri 10/4/24	2 days					
289	CODE ARCHIVED	Tue 10/8/24	2 days					
290	AS-BUILT DRAWINGS	Wed 10/9/24	1 day					
291	SMALL CONFERENCE ROOM A	Wed 10/9/24	14 days					
332	LARGE CONFERENCE ROOM B	Tue 10/29/24	14 days					
373	NETWORK & STRUCTURED CABLING AVNET	Fri 11/15/24	18 days					
414								
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Project: AVI-SPL OPPORTUNITY
Date: Fri 3/22/24

Task: Task, Split, Milestone, Summary

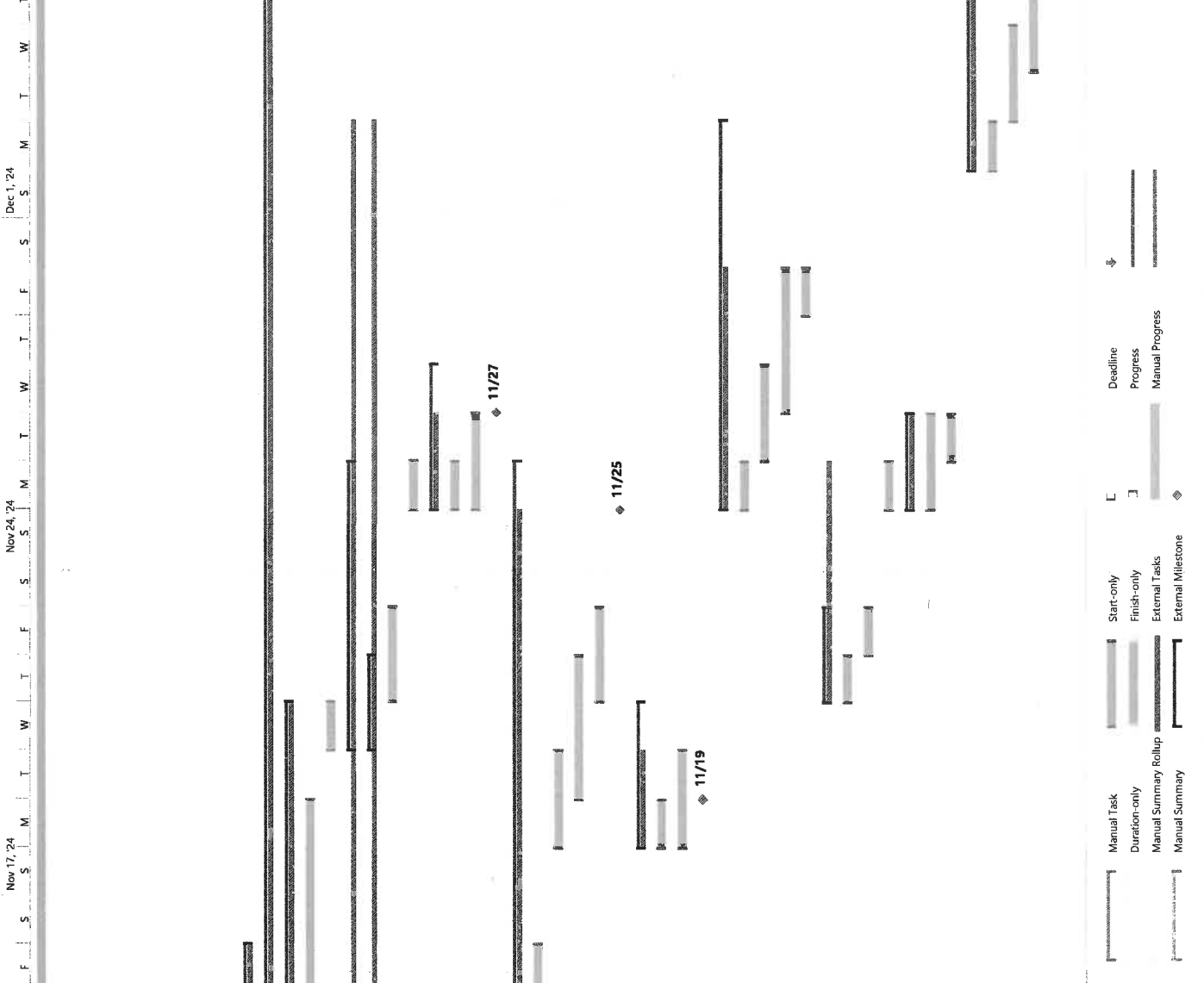
Project Summary: Project Summary, Inactive Task, Inactive Milestone, Inactive Summary

Manual Task: Manual Task, Duration-only, Manual Summary Rollup, Manual Summary

Start-only: Start-only, Finish-only, External Tasks, External Milestone

Deadline: Deadline, Progress, Manual Progress

Page 2



ID	Task Name	Start	Duration
1	AVI-SPL OPPORTUNITY 447705	Mon 4/1/24	182 days
2	AVI-SPL INTERNAL PROCESS	Mon 4/1/24	6 days
3	CONTROL ROOM A	Mon 4/8/24	14 days
45	COMMITTEE ROOM A	Thu 4/25/24	22 days
86	CONTROL ROOM B	Fri 5/24/24	26 days
127	COMMITTEE ROOM B	Fri 7/5/24	25 days
168	FACILITY LOBBY	Thu 8/8/24	18 days
209	MEMBERS / STAFF AREA	Mon 9/2/24	14 days
250	4TH FLOOR OFFICES	Thu 9/19/24	15 days
291	SMALL CONFERENCE ROOM A	Wed 10/9/24	14 days
332	LARGE CONFERENCE ROOM B	Tue 10/29/24	14 days
373	NETWORK & STRUCTURED CABLING AVNET	Fri 11/15/24	18 days
374	PROJECT ENGINEERING	Fri 11/15/24	4 days
375	EQUIPMENT REVIEW (BOM)	Fri 11/15/24	2 days
376	PRE CAD EVALUATION	Wed 11/20/24	1 day
377	CAD	Wed 11/20/24	4 days
378	M&E DRAWINGS	Wed 11/20/24	2 days
379	FUNCTIONAL DRAWINGS	Thu 11/21/24	2 days
380	DRAWING REVIEW	Mon 11/25/24	1 day
381	PROGRAMMING	Mon 11/25/24	3 days
382	CODE CREATION	Mon 11/25/24	1 day
383	TESTING	Mon 11/25/24	2 days
384	GUI REVIEW CALL	Wed 11/27/24	0 days
385	PROJECT MANAGEMENT	Fri 11/15/24	7 days
386	PROJECT REVIEW	Fri 11/15/24	1 day
387	INTERNAL MEETINGS	Mon 11/18/24	2 days
388	EXTERNAL MEETINGS	Tue 11/19/24	3 days
389	SCHEDULING	Thu 11/21/24	2 days
390	CUSTOMER UPDATES	Mon 11/25/24	0 days
391	PROJECT COORDINATION	Mon 11/18/24	3 days
392	PROCURE EQUIPMENT	Mon 11/18/24	1 day
393	EQUIPMENT TRACKING	Mon 11/18/24	2 days
394	ADMINISTRATIVE DUTIES AS NEEDED	Tue 11/19/24	0 days
395	INSTALLATION	Mon 11/25/24	6 days
396	WIRE PULL	Mon 11/25/24	1 day
397	INSTALL SPEAKERS	Tue 11/26/24	2 days
398	INSTALL DEVICES	Wed 11/27/24	3 days
399	INSTALL RACKS	Fri 11/29/24	1 day
400	TECH SHOP	Thu 11/21/24	2 days
401	RACK BUILD	Thu 11/21/24	1 day
402	INSTALL CODE	Fri 11/22/24	1 day
403	INSTALL FIRMWARE	Mon 11/25/24	1 day
404	COMMISSIONING	Mon 11/25/24	2 days
405	TESTING	Mon 11/25/24	2 days
406	CUSTOMER TRAINING	Tue 11/26/24	1 day
407	CLOSEOUT	Mon 12/2/24	7 days
408	PUNCHLIST CREATED	Mon 12/2/24	1 day
409	PUNCHLIST RESOLVED	Tue 12/3/24	2 days
410	CUSTOMER SIGNOFF	Wed 12/4/24	3 days
411	MANUALS ARCHIVED	Fri 12/6/24	1 day
412	CODE ARCHIVED	Sat 12/7/24	1 day

Project: AVI-SPL OPPORTUNITY
 Date: Fri 3/22/24

Task Summary
 Inactive Task
 Inactive Milestone
 Inactive Summary

Task
 Milestone
 Summary

Manual Task
 Duration-only
 Manual Summary Rollup
 Manual Summary

Start-only
 Finish-only
 External Task
 External Milestone

Deadline
 Progress
 Manual Progress

ID	Task Name	Start	Duration	Start	Apr 28, '24	May 5, '24	May 12, '24	May 19, '24	F	S	S	S	S	S	S	S	S	S	S
1	AVI-SPL OPPORTUNITY 447705	Mon 4/1/24	182 days	Mon 4/1/24															
2	AVI-SPL INTERNAL PROCESS	Mon 4/1/24	6 days	Mon 4/1/24															
3	CONTROL ROOM A	Mon 4/8/24	14 days?	Mon 4/8/24															
45	COMMITTEE ROOM A	Thu 4/25/24	22 days	Thu 4/25/24															
46	PROJECT ENGINEERING	Thu 4/25/24	5 days	Thu 4/25/24															
47	EQUIPMENT REVIEW (BOM)	Thu 4/25/24	3 days	Thu 4/25/24															
48	PRE CAD EVALUATION	Tue 4/30/24	1 day	Tue 4/30/24															
49	CAD	Tue 4/30/24	6 days	Tue 4/30/24															
50	M&E DRAWINGS	Tue 4/30/24	2 days	Tue 4/30/24															
51	FUNCTIONAL DRAWINGS	Wed 5/1/24	3 days	Wed 5/1/24															
52	DRAWING REVIEW	Fri 5/3/24	1 day	Fri 5/3/24															
53	PROGRAMMING	Mon 5/6/24	4 days	Mon 5/6/24															
54	CODE CREATION	Mon 5/6/24	3 days	Mon 5/6/24															
55	TESTING	Wed 5/8/24	1 day	Wed 5/8/24															
56	GUI REVIEW CALL	0 days	0 days	Thu 5/9/24															
57	PROJECT MANAGEMENT	Thu 4/25/24	9 days	Thu 4/25/24															
58	PROJECT REVIEW	Thu 4/25/24	1 day	Thu 4/25/24															
59	INTERNAL MEETINGS	Mon 4/29/24	1 day	Mon 4/29/24															
60	EXTERNAL MEETINGS	Tue 4/30/24	2 days	Tue 4/30/24															
61	SCHEDULING	Wed 5/1/24	3 days	Wed 5/1/24															
62	CUSTOMER UPDATES	Tue 4/30/24	6 days	Tue 4/30/24															
63	PROJECT COORDINATION	Mon 4/29/24	4 days	Mon 4/29/24															
64	PROCURE EQUIPMENT	Tue 4/30/24	1 day	Tue 4/30/24															
65	EQUIPMENT TRACKING	Wed 5/1/24	2 days	Wed 5/1/24															
66	ADMINISTRATIVE DUTIES AS NEEDED	Tue 4/30/24	1 day	Tue 4/30/24															
67	INSTALLATION	Mon 5/13/24	8 days	Mon 5/13/24															
68	WIRE PULL	Mon 5/13/24	2 days	Mon 5/13/24															
69	INSTALL SPEAKERS	Wed 5/15/24	2 days	Wed 5/15/24															
70	INSTALL DEVICES	Fri 5/17/24	3 days	Fri 5/17/24															
71	INSTALL RACKS	Tue 5/21/24	1 day	Tue 5/21/24															
72	TECH SHOP	Mon 5/13/24	3 days	Mon 5/13/24															
73	RACK BUILD	Mon 5/13/24	2 days	Mon 5/13/24															
74	INSTALL CODE	Tue 5/14/24	1 day	Tue 5/14/24															
75	INSTALL FIRMWARE	Wed 5/15/24	1 day	Wed 5/15/24															
76	COMMISSIONING	Fri 5/10/24	3 days	Fri 5/10/24															
77	TESTING	Fri 5/10/24	2 days	Fri 5/10/24															
78	CUSTOMER TRAINING	Tue 5/14/24	1 day	Tue 5/14/24															
79	CLOSEOUT	Fri 5/10/24	11 days	Fri 5/10/24															
80	PUNCHLIST CREATED	Fri 5/10/24	2 days	Fri 5/10/24															
81	PUNCHLIST RESOLVED	Tue 5/14/24	2 days	Tue 5/14/24															
82	CUSTOMER SIGNOFF	Mon 5/20/24	1 day	Mon 5/20/24															

ID	Task Name	Duration	Start	Apr 28, '24	May 5, '24	May 12, '24	May 19, '24
83	MANUALS ARCHIVED	3 days	Mon 5/20/24				
84	CODE ARCHIVED	3 days	Wed 5/22/24				
85	AS-BUILT DRAWINGS	2 days	Mon 5/20/24				
86	CONTROL ROOM B	26 days	Fri 5/24/24				
127	COMMITTEE ROOM B	25 days	Fri 7/5/24				
168	FACILITY LOBBY	18 days	Thu 8/8/24				
209	MEMBERS / STAFF AREA	14 days	Mon 9/2/24				
250	4TH FLOOR OFFICES	15 days	Thu 9/19/24				
291	SMALL CONFERENCE ROOM A	14 days	Wed 10/9/24				
332	LARGE CONFERENCE ROOM B	14 days	Tue 10/29/24				
373	NETWORK & STRUCTURED CABLING AVNET	18 days	Fri 11/15/24				
414							
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424							
425							

Project: AVI-SPL OPPORTUNITY
Date: Fri 3/22/24

Task: Split, Milestone, Summary

Project Summary: Inactive Task, Inactive Milestone, Inactive Summary

Manual Task: Duration-only, Manual Summary Rollup, Manual Summary

Start-only: Finish-only, External Tasks, External Milestone

Deadline: Progress, Manual Progress

Page 2

ID	Task Name	Duration	Start
1	AVI-SPL OPPORTUNITY 447705	182 days	Mon 4/1/24
2	AVI-SPL INTERNAL PROCESS	6 days	Mon 4/1/24
3	CONTROL ROOM A	14 days?	Mon 4/8/24
45	COMMITTEE ROOM A	22 days	Thu 4/25/24
86	CONTROL ROOM B	26 days	Fri 5/24/24
127	COMMITTEE ROOM B	25 days	Fri 7/5/24
128	PROJECT ENGINEERING	3 days	Fri 7/5/24
129	EQUIPMENT REVIEW (BOM)	2 days	Mon 7/8/24
130	PRE CAD EVALUATION	1 day	Tue 7/9/24
131	CAD	4 days	Tue 7/9/24
132	M&E DRAWINGS	2 days	Tue 7/9/24
133	FUNCTIONAL DRAWINGS	2 days	Wed 7/10/24
134	DRAWING REVIEW	0 days	Fri 7/12/24
135	PROGRAMMING	4 days	Thu 7/11/24
136	CODE CREATION	2 days	Thu 7/11/24
137	TESTING	2 days	Fri 7/12/24
138	GUI REVIEW CALL	1 day	Mon 7/15/24
139	PROJECT MANAGEMENT	8 days	Wed 7/10/24
140	PROJECT REVIEW	1 day	Wed 7/10/24
141	INTERNAL MEETINGS	2 days	Thu 7/11/24
142	EXTERNAL MEETINGS	2 days	Mon 7/15/24
143	SCHEDULING	3 days	Tue 7/16/24
144	CUSTOMER UPDATES	4 days	Wed 7/17/24
145	PROJECT COORDINATION	3 days	Thu 7/11/24
146	PROCURE EQUIPMENT	1 day	Thu 7/11/24
147	EQUIPMENT TRACKING	2 days	Thu 7/11/24
148	ADMINISTRATIVE DUTIES AS NEEDED	0 days	Mon 7/15/24
149	INSTALLATION	7 days	Mon 7/22/24
150	WIRE PULL	1 day	Mon 7/22/24
151	INSTALL SPEAKERS	2 days	Tue 7/23/24
152	INSTALL DEVICES	4 days	Tue 7/23/24
153	INSTALL RACKS	1 day	Mon 7/29/24
154	TECH SHOP	3 days	Mon 7/29/24
155	RACK BUILD	2 days	Mon 7/29/24
156	INSTALL CODE	1 day	Tue 7/30/24
157	INSTALL FIRMWARE	1 day	Wed 7/31/24
158	COMMISSIONING	2 days	Tue 7/30/24
159	TESTING	2 days	Tue 7/30/24
160	CUSTOMER TRAINING	1 day	Wed 7/31/24
161	CLOSEOUT	7 days	Wed 7/31/24
162	PUNCHLIST CREATED	1 day	Wed 7/31/24

Project: AVI-SPL OPPORTUNITY
 Date: Fri 3/22/24

Task Summary: Manual Task, Duration-only, Manual Summary Rollup, Manual Summary
 Inactive Task Summary: Inactive Milestone, Inactive Summary
 Start-only: Manual Task, Finish-only, External Tasks, External Milestone
 Deadline Progress: Manual Progress

Page 1

ID	Task Name	Start	Duration	Jul 7, '24	Jul 14, '24	Jul 21, '24	Jul 28, '24	Aug 4, '24
163	PUNCHLIST RESOLVED	Thu 8/1/24	3 days					
164	CUSTOMER SIGNOFF	Mon 8/5/24	1 day					
165	MANUALS ARCHIVED	Tue 8/6/24	2 days					
166	CODE ARCHIVED	Tue 8/6/24	1 day					
167	AS-BUILT DRAWINGS	Wed 8/7/24	1 day					
168	FACILITY LOBBY	Thu 8/8/24	18 days					
209	MEMBERS / STAFF AREA	Mon 9/2/24	14 days					
250	4TH FLOOR OFFICES	Thu 9/19/24	15 days					
291	SMALL CONFERENCE ROOM A	Wed 10/9/24	14 days					
332	LARGE CONFERENCE ROOM B	Tue 10/29/24	14 days					
373	NETWORK & STRUCTURED CABLING AVNET	Fri 11/15/24	18 days					
414								
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425								

Project: AVI-SPL OPPORTUNITY
Date: Fri 3/22/24

Task Split Milestone Summary

Project Summary Inactive Task Inactive Milestone Inactive Summary

Manual Task Duration-only Manual Summary Rollup Manual Summary

Start-only Finish-only External Tasks External Milestone

Deadline Progress Manual Progress

ID	Task Name	Duration	Start	4	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	AVI-SPL OPPORTUNITY 447705	182 days	Mon 4/1/24																					
2	AVI-SPL INTERNAL PROCESS	6 days	Mon 4/1/24																					
3	CONTROL ROOM A	14 days?	Mon 4/8/24																					
4	PROJECT ENGINEERING	2 days	Mon 4/8/24																					
5	PE/DE HANDOFF	1 day	Mon 4/8/24																					
6	EQUIPMENT REVIEW (BOM)	2 days	Mon 4/8/24																					
7	PRE CAD EVALUATION	1 day	Mon 4/8/24																					
8	CAD	5 days	Tue 4/9/24																					
9	M&E DRAWINGS	2 days	Tue 4/9/24																					
10	FUNCTIONAL DRAWINGS	2 days	Wed 4/10/24																					
11	DRAWING REVIEW	1 day	Fri 4/12/24																					
12	PROGRAMMING	4 days	Fri 4/12/24																					
13	CODE CREATION	2 days	Fri 4/12/24																					
14	TESTING	2 days	Mon 4/15/24																					
15	GUI REVIEW CALL	0 days	Tue 4/16/24																					
16	PROJECT MANAGEMENT	8 days	Mon 4/8/24																					
17	PROJECT REVIEW	1 day	Mon 4/8/24																					
18	INTERNAL MEETINGS	2 days	Tue 4/9/24																					
19	EXTERNAL MEETINGS	2 days	Thu 4/11/24																					
20	SCHEDULING	2 days	Mon 4/15/24																					
21	CUSTOMER UPDATES	1 day	Wed 4/17/24																					
22	PROJECT COORDINATION	4 days	Mon 4/8/24																					
23	PROCURE EQUIPMENT	1 day	Mon 4/8/24																					
24	EQUIPMENT TRACKING	1 day	Wed 4/10/24																					
25	ADMINISTRATIVE DUTIES AS NEEDED	1 day	Thu 4/11/24																					
26	INSTALLATION	7 days?	Wed 4/17/24																					
27	WIRE PULL	2 days	Wed 4/17/24																					
28	INSTALL SPEAKERS	3 days	Thu 4/18/24																					
29	INSTALL DEVICES	3 days	Fri 4/19/24																					
30	INSTALL RACKS	1 day	Tue 4/23/24																					
31	TECH SHOP	4 days	Fri 4/12/24																					
32	RACK BUILD	2 days	Fri 4/12/24																					
33	INSTALL CODE	1 day	Mon 4/15/24																					
34	INSTALL FIRMWARE	1 day	Tue 4/16/24																					
35	COMMISSIONING	7 days	Tue 4/16/24																					
36	TESTING	3 days	Tue 4/16/24																					
37	CUSTOMER TRAINING	1 day	Fri 4/19/24																					
38	CLOSEOUT	7 days	Wed 4/17/24																					
39	PUNCHLIST CREATED	2 days	Wed 4/17/24																					
40	PUNCHLIST RESOLVED	2 days	Thu 4/18/24																					
41	CUSTOMER SIGNOFF	1 day	Thu 4/18/24																					

Project: AVI-SPL OPPORTUNITY
Date: Fri 3/22/24

Task Summary
Inactive Task
Inactive Milestone
Inactive Summary

Task Split Milestone Summary

Manual Summary
Manual Summary Rollup
Manual Summary

Start-only
Finish-only
External Tasks
External Milestone

Deadline
Progress
Manual Progress

Page 1

ID	Task Name	Duration	Start		M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
42	MANUALS ARCHIVED	2 days	Mon 4/22/24																					
43	CODE ARCHIVED	1 day	Wed 4/24/24																					
44	AS-BUILT DRAWINGS	3 days	Tue 4/23/24																					
45	COMMITTEE ROOM A	22 days	Thu 4/25/24																					
86	CONTROL ROOM B	26 days	Fri 5/24/24																					
127	COMMITTEE ROOM B	25 days	Fri 7/5/24																					
168	FACILITY LOBBY	18 days	Thu 8/8/24																					
209	MEMBERS / STAFF AREA	14 days	Mon 9/2/24																					
250	4TH FLOOR OFFICES	15 days	Thu 9/19/24																					
291	SMALL CONFERENCE ROOM A	14 days	Wed 10/9/24																					
332	LARGE CONFERENCE ROOM B	14 days	Tue 10/29/24																					
373	NETWORK & STRUCTURED CABLING AVNEI	18 days	Fri 11/15/24																					
414																								
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Task	Project Summary	Manual Task	Start-only	Deadline
Split	Inactive Task	Duration-only	Finish-only	Progress
Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress
Summary	Inactive Summary	Manual Summary	External Milestone	

ID	Task Name	Duration	Start	Calendar						
1	AVI-SPL OPPORTUNITY 447705	182 days	Mon 4/1/24							
2	AVI-SPL INTERNAL PROCESS	6 days	Mon 4/1/24							
3	CONTROL ROOM A	14 days?	Mon 4/8/24							
45	COMMITTEE ROOM A	22 days	Thu 4/25/24							
86	CONTROL ROOM B	26 days	Fri 5/24/24							
87	PROJECT ENGINEERING	4 days	Mon 6/3/24							
88	EQUIPMENT REVIEW (BOM)	3 days	Mon 6/3/24							
89	PRE CAD EVALUATION	1 day	Thu 6/6/24							
90	CAD	4 days	Thu 6/6/24							
91	M&E DRAWINGS	1 day	Mon 6/10/24							
92	FUNCTIONAL DRAWINGS	1 day	Thu 6/6/24							
93	DRAWING REVIEW	1 day	Thu 6/6/24							
94	PROGRAMMING	5 days	Thu 6/6/24							
95	CODE CREATION	2 days	Fri 6/7/24							
96	TESTING	2 days	Mon 6/10/24							
97	GUI REVIEW CALL	1 day	Tue 6/11/24							
98	PROJECT MANAGEMENT	8 days	Mon 6/3/24							
99	PROJECT REVIEW	1 day	Mon 6/3/24							
100	INTERNAL MEETINGS	1 day	Tue 6/4/24							
101	EXTERNAL MEETINGS	2 days	Thu 6/6/24							
102	SCHEDULING	2 days	Fri 6/7/24							
103	CUSTOMER UPDATES	4 days	Fri 6/7/24							
104	PROJECT COORDINATION	4 days	Tue 6/4/24							
105	PROCURE EQUIPMENT	1 day	Wed 6/5/24							
106	EQUIPMENT TRACKING	2 days	Thu 6/6/24							
107	ADMINISTRATIVE DUTIES AS NEEDED	1 day	Fri 6/7/24							
108	INSTALLATION	7 days	Mon 6/10/24							
109	WIRE PULL	1 day	Mon 6/10/24							
110	INSTALL SPEAKERS	2 days	Tue 6/11/24							
111	INSTALL DEVICES	2 days	Thu 6/13/24							
112	INSTALL RACKS	1 day	Mon 6/17/24							
113	TECH SHOP	3 days	Thu 6/6/24							
114	RACK BUILD	2 days	Thu 6/6/24							
115	INSTALL CODE	1 day	Fri 6/7/24							
116	INSTALL FIRMWARE	1 day	Fri 6/7/24							
117	COMMISSIONING	4 days	Mon 6/17/24							
118	TESTING	2 days	Mon 6/17/24							
119	CUSTOMER TRAINING	2 days	Tue 6/18/24							
120	CLOSEOUT	8 days	Wed 6/19/24							
121	PUNCHLIST CREATED	1 day	Thu 6/20/24							
122	PUNCHLIST RESOLVED	3 days	Fri 6/21/24							

Project: AVI-SPL OPPORTUNITY
 Date: Fri 3/22/24

Task Summary

- Task
- Split
- Milestone
- Summary

Project Summary

- Inactive Task
- Inactive Milestone
- Inactive Summary

Manual Task

- Duration-only
- Manual Summary Rollup
- Manual Summary

Start-only

- Finish-only
- External Tasks
- External Milestone

Deadline

- Progress
- Manual Progress

ID	Task Name	Start	Duration	Jun 9 '24	Jun 16 '24	Jun 23 '24
123	CUSTOMER SIGNOFF	Tue 6/25/24	1 day			
124	MANUALS ARCHIVED	Thu 6/20/24	2 days			
125	CODE ARCHIVED	Fri 6/21/24	2 days			
126	AS-BUILT DRAWINGS	Mon 6/24/24	3 days			
127	COMMITTEE ROOM B	Fri 7/5/24	25 days			
168	FACILITY LOBBY	Thu 8/8/24	18 days			
209	MEMBERS / STAFF AREA	Mon 9/2/24	14 days			
250	4TH FLOOR OFFICES	Thu 9/19/24	15 days			
291	SMALL CONFERENCE ROOM A	Wed 10/9/24	14 days			
332	LARGE CONFERENCE ROOM B	Tue 10/29/24	14 days			
373	NETWORK & STRUCTURED CABLING AVNET	Fri 11/15/24	18 days			
414						
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Project: AVI-SPL OPPORTUNITY
Date: Fri 3/22/24

Task: Project Summary, Inactive Task, Inactive Milestone, Inactive Summary

Split: Manual Task, Duration-only, Manual Summary Rollup, Manual Summary

Milestone: Start-only, Finish-only, External Tasks, External Milestone

Summary: Deadline, Progress, Manual Progress

ID	Task Name	Duration	Start	End
1	AVI-SPL OPPORTUNITY 447705	182 days	Mon 4/1/24	Mon 10/14/24
2	AVI-SPL INTERNAL PROCESS	6 days	Mon 4/1/24	Mon 4/8/24
3	CONTROL ROOM A	14 days?	Mon 4/8/24	Mon 4/22/24
45	COMMITTEE ROOM A	22 days	Thu 4/25/24	Thu 5/23/24
86	CONTROL ROOM B	26 days	Fri 5/24/24	Thu 6/20/24
127	COMMITTEE ROOM B	25 days	Fri 7/5/24	Thu 7/26/24
168	FACILITY LOBBY	18 days	Thu 8/8/24	Thu 8/22/24
169	PROJECT ENGINEERING	3 days	Thu 8/8/24	Thu 8/15/24
170	EQUIPMENT REVIEW (BOM)	1 day	Thu 8/8/24	Thu 8/8/24
171	PRE CAD EVALUATION	2 days	Fri 8/9/24	Fri 8/16/24
172	CAD	4 days	Tue 8/13/24	Tue 8/20/24
173	M&E DRAWINGS	2 days	Tue 8/13/24	Tue 8/20/24
174	FUNCTIONAL DRAWINGS	2 days	Wed 8/14/24	Wed 8/21/24
175	DRAWING REVIEW	0 days	Fri 8/16/24	Fri 8/16/24
176	PROGRAMMING	3 days	Fri 8/16/24	Fri 8/23/24
177	CODE CREATION	2 days	Fri 8/16/24	Fri 8/23/24
178	TESTING	1 day	Mon 8/19/24	Mon 8/19/24
179	GUI REVIEW CALL	0 days	Tue 8/20/24	Tue 8/20/24
180	PROJECT MANAGEMENT	8 days	Fri 8/9/24	Fri 8/23/24
181	PROJECT REVIEW	1 day	Fri 8/9/24	Fri 8/9/24
182	INTERNAL MEETINGS	2 days	Mon 8/12/24	Mon 8/19/24
183	EXTERNAL MEETINGS	3 days	Tue 8/13/24	Tue 8/20/24
184	SCHEDULING	2 days	Fri 8/16/24	Fri 8/23/24
185	CUSTOMER UPDATES	1 day	Tue 8/20/24	Tue 8/20/24
186	PROJECT COORDINATION	3 days	Mon 8/12/24	Mon 8/19/24
187	PROCURE EQUIPMENT	1 day	Tue 3/12/24	Tue 3/12/24
188	EQUIPMENT TRACKING	2 days	Mon 8/12/24	Mon 8/19/24
189	ADMINISTRATIVE DUTIES AS NEEDED	1 day	Tue 8/13/24	Tue 8/13/24
190	INSTALLATION	7 days	Mon 8/19/24	Mon 8/26/24
191	WIRE PULL	1 day	Mon 8/19/24	Mon 8/19/24
192	INSTALL SPEAKERS	4 days	Tue 8/20/24	Tue 8/27/24
193	INSTALL DEVICES	5 days	Wed 8/21/24	Wed 8/28/24
194	INSTALL RACKS	1 day	Mon 8/26/24	Mon 8/26/24
195	TECH SHOP	3 days	Thu 8/15/24	Thu 8/22/24
196	RACK BUILD	2 days	Thu 8/15/24	Thu 8/22/24
197	INSTALL CODE	1 day	Fri 8/16/24	Fri 8/16/24
198	INSTALL FIRMWARE	1 day	Mon 8/19/24	Mon 8/19/24
199	COMMISSIONING	2 days	Tue 8/27/24	Tue 8/27/24
200	TESTING	2 days	Tue 8/27/24	Tue 8/27/24
201	CUSTOMER TRAINING	0 days	Wed 8/28/24	Wed 8/28/24
202	CLOSEOUT	6 days	Mon 8/26/24	Mon 9/2/24

Project: AVI-SPL OPPORTUNITY
Date: Fri 3/22/24

Page 1

Task	Project Summary	Manual Task	Start-only	Deadline
Split	Inactive Task	Duration-only	Finish-only	Progress
Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress
Summary	Inactive Summary	Manual Summary	External Milestone	

ID	Task Name	Start	Duration	Aug 11, '24	Aug 18, '24	Aug 25, '24	Sep 1, '24
203	PUNCHLIST CREATED	Tue 8/27/24	1 day				
204	PUNCHLIST RESOLVED	Tue 8/27/24	3 days				
205	CUSTOMER SIGNOFF	Thu 8/29/24	1 day				
206	MANUALS ARCHIVED	Fri 8/30/24	1 day				
207	CODE ARCHIVED	Sat 8/31/24	2 days				
208	AS-BUILT DRAWINGS	Sat 8/31/24	2 days				
209	MEMBERS / STAFF AREA	Mon 9/2/24	14 days				
250	4TH FLOOR OFFICES	Thu 9/19/24	15 days				
291	SMALL CONFERENCE ROOM A	Wed 10/9/24	14 days				
332	LARGE CONFERENCE ROOM B	Tue 10/29/24	14 days				
373	NETWORK & STRUCTURED CABLING AVNET	Fri 11/15/24	18 days				
414							
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Project: AVI-SPL OPPORTUNITY
Date: Fri 3/22/24

Task: Split, Milestone, Summary

Project Summary: Inactive task, Inactive Milestone, Inactive Summary

Manual Task: Duration-only, Manual Summary Rollup, Manual Summary

Start-only: Finish-only, External Tasks, External Milestone

Deadline: Progress, Manual Progress

Page 2

ID	Task Name	Duration	Start	T	T	W	T	F	S
1	AVI-SPL OPPORTUNITY 447705	182 days	Mon 4/1/24						
2	AVI-SPL INTERNAL PROCESS	6 days	Mon 4/1/24						
3	CONTROL ROOM A	14 days?	Mon 4/8/24						
45	COMMITTEE ROOM A	22 days	Thu 4/25/24						
86	CONTROL ROOM B	26 days	Fri 5/24/24						
127	COMMITTEE ROOM B	25 days	Fri 7/5/24						
168	FACILITY LOBBY	18 days	Thu 8/8/24						
209	MEMBERS / STAFF AREA	14 days	Mon 9/2/24						
250	4TH FLOOR OFFICES	15 days	Mon 9/19/24						
291	SMALL CONFERENCE ROOM A	14 days	Wed 10/9/24						
332	LARGE CONFERENCE ROOM B	14 days	Wed 10/29/24						
333	PROJECT ENGINEERING	3 days	Tue 10/29/24						
334	EQUIPMENT REVIEW (BOM)	2 days	Tue 10/29/24						
335	PRE CAD EVALUATION	1 day	Thu 10/31/24						
336	CAD	4 days	Thu 10/31/24						
337	M&E DRAWINGS	2 days	Thu 10/31/24						
338	FUNCTIONAL DRAWINGS	2 days	Fri 11/1/24						
339	DRAWING REVIEW	0 days	Mon 11/4/24						
340	PROGRAMMING	3 days	Tue 11/5/24						
341	CODE CREATION	2 days	Tue 11/5/24						
342	TESTING	1 day	Wed 11/6/24						
343	GUI REVIEW CALL	1 day	Thu 11/7/24						
344	PROJECT MANAGEMENT	7 days	Tue 10/29/24						
345	PROJECT REVIEW	1 day	Tue 10/29/24						
346	INTERNAL MEETINGS	2 days	Wed 10/30/24						
347	EXTERNAL MEETINGS	2 days	Thu 10/31/24						
348	SCHEDULING	3 days	Fri 11/1/24						
349	CUSTOMER UPDATES	1 day	Tue 11/5/24						
350	PROJECT COORDINATION	3 days	Thu 10/31/24						
351	PROCURE EQUIPMENT	1 day	Thu 10/31/24						
352	EQUIPMENT TRACKING	2 days	Fri 11/1/24						
353	ADMINISTRATIVE DUTIES AS NEEDED	0 days	Mon 11/4/24						
354	INSTALLATION	7 days	Tue 11/5/24						
355	WIRE PULL	1 day	Wed 11/6/24						
356	INSTALL SPEAKERS	2 days	Wed 11/6/24						
357	INSTALL DEVICES	3 days	Fri 11/8/24						
358	INSTALL RACKS	1 day	Tue 11/12/24						
359	TECH SHOP	2 days	Mon 11/4/24						
360	RACK BUILD	2 days	Mon 11/4/24						
361	INSTALL CODE	1 day	Tue 11/5/24						
362	INSTALL FIRMWARE	1 day	Tue 11/5/24						

Project: AVI-SPL OPPORTUNITY
Date: Fri 3/22/24

Task Summary: Inactive Task Summary

Task Split: Inactive Milestone

Milestone: Inactive Milestone

Summary: Inactive Milestone

Manual Task: Manual Summary

Duration-only: Manual Summary Rollup

Manual Summary Rollup: Manual Summary

Start-only: External Milestone

Finish-only: External Milestone

External Tasks: External Milestone

External Milestone: External Milestone

Deadline: Manual Progress

Progress: Manual Progress

Manual Progress: Manual Progress

ID	Task Name	Start	Duration	T	T	W	T	F	S
363	COMMISSIONING	Wed 11/13/24	3 days						
364	TESTING	Wed 11/13/24	2 days						
365	CUSTOMER TRAINING	Fri 11/15/24	1 day						
366	CLOSEOUT	Thu 11/7/24	7 days						
367	PUNCHLIST CREATED	Fri 11/8/24	1 day						
368	PUNCHLIST RESOLVED	Mon 11/11/24	2 days						
369	CUSTOMER SIGNOFF	Mon 11/11/24	0 days						
370	MANUALS ARCHIVED	Tue 11/12/24	2 days						
371	CODE ARCHIVED	Wed 11/13/24	2 days						
372	AS-BUILT DRAWINGS	Fri 11/15/24	1 day						
373	NETWORK & STRUCTURED CABLING AVNET	Fri 11/15/24	18 days						
414									
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Task

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Task

Split

Milestone

Summary

Start-only

Finish-only

External Tasks

External Milestone

Project: AVI-SPL OPPORTUNITY

Date: Fri 3/22/24

Deadline

Progress

Manual Progress

ID	Task Name	Duration	Start	Start																
1	AVI-SPL OPPORTUNITY 447705	182 days	Mon 4/1/24																	
2	AVI-SPL INTERNAL PROCESS	6 days	Mon 4/1/24																	
3	CONTROL ROOM A	14 days?	Mon 4/8/24																	
45	COMMITTEE ROOM A	22 days	Thu 4/25/24																	
86	CONTROL ROOM B	26 days	Fri 5/24/24																	
127	COMMITTEE ROOM B	25 days	Fri 7/5/24																	
168	FACILITY LOBBY	18 days	Thu 8/8/24																	
209	MEMBERS / STAFF AREA	14 days	Mon 9/2/24																	
210	PROJECT ENGINEERING	4 days	Tue 9/3/24																	
211	EQUIPMENT REVIEW (BOM)	3 days	Tue 9/3/24																	
212	PRE CAD EVALUATION	1 day	Thu 9/5/24																	
213	CAD	3 days	Thu 9/5/24																	
214	M&E DRAWINGS	2 days	Thu 9/5/24																	
215	FUNCTIONAL DRAWINGS	2 days	Fri 9/6/24																	
216	DRAWING REVIEW	1 day	Mon 9/9/24																	
217	PROGRAMMING	3 days	Tue 9/10/24																	
218	CODE CREATION	2 days	Tue 9/10/24																	
219	TESTING	1 day	Wed 9/11/24																	
220	GUI REVIEW CALL	0 days	Thu 9/12/24																	
221	PROJECT MANAGEMENT	7 days	Tue 9/3/24																	
222	PROJECT REVIEW	1 day	Tue 9/3/24																	
223	INTERNAL MEETINGS	2 days	Wed 9/4/24																	
224	EXTERNAL MEETINGS	2 days	Thu 9/5/24																	
225	SCHEDULING	2 days	Fri 9/6/24																	
226	CUSTOMER UPDATES	1 day	Mon 9/9/24																	
227	PROJECT COORDINATION	3 days	Fri 9/6/24																	
228	PROCURE EQUIPMENT	1 day	Fri 9/6/24																	
229	EQUIPMENT TRACKING	2 days	Mon 9/9/24																	
230	ADMINISTRATIVE DUTIES AS NEEDED	0 days	Mon 9/9/24																	
231	INSTALLATION	7 days	Mon 9/9/24																	
232	WIRE PULL	1 day	Sat 3/9/24																	
233	INSTALL SPEAKERS	2 days	Wed 9/11/24																	
234	INSTALL DEVICES	4 days	Tue 3/12/24																	
235	INSTALL RACKS	1 day	Mon 9/16/24																	
236	TECH SHOP	3 days	Wed 9/4/24																	
237	RACK BUILD	2 days	Wed 9/4/24																	
238	INSTALL CODE	1 day	Fri 9/6/24																	
239	INSTALL FIRMWARE	1 day	Fri 9/6/24																	
240	COMMISSIONING	3 days	Tue 9/17/24																	
241	TESTING	2 days	Tue 9/17/24																	
242	CUSTOMER TRAINING	1 day	Wed 9/18/24																	

ID	Task Name	Duration	Start	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	
243	CLOSEOUT	4 days	Thu 9/12/24																			
244	PUNCHLIST CREATED	1 day	Thu 9/12/24																			
245	PUNCHLIST RESOLVED	2 days	Fri 9/13/24																			
246	CUSTOMER SIGNOFF	0 days	Tue 9/17/24																			
247	MANUALS ARCHIVED	1 day	Mon 9/16/24																			
248	CODE ARCHIVED	2 days	Mon 9/16/24																			
249	AS-BUILT DRAWINGS	1 day	Thu 9/19/24																			
250	4TH FLOOR OFFICES	15 days	Thu 9/19/24																			
291	SMALL CONFERENCE ROOM A	14 days	Wed 10/9/24																			
332	LARGE CONFERENCE ROOM B	14 days	Tue 10/29/24																			
373	NETWORK & STRUCTURED CABLING AVNET	18 days	Fri 11/15/24																			
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Sep 8, '24

Sep 15, '24

Sep 22, '24

Sep 29, '24

Oct 6, '24

Oct 13, '24

Oct 20, '24

Oct 27, '24

Nov 3, '24

Nov 10, '24

Nov 17, '24

Nov 24, '24

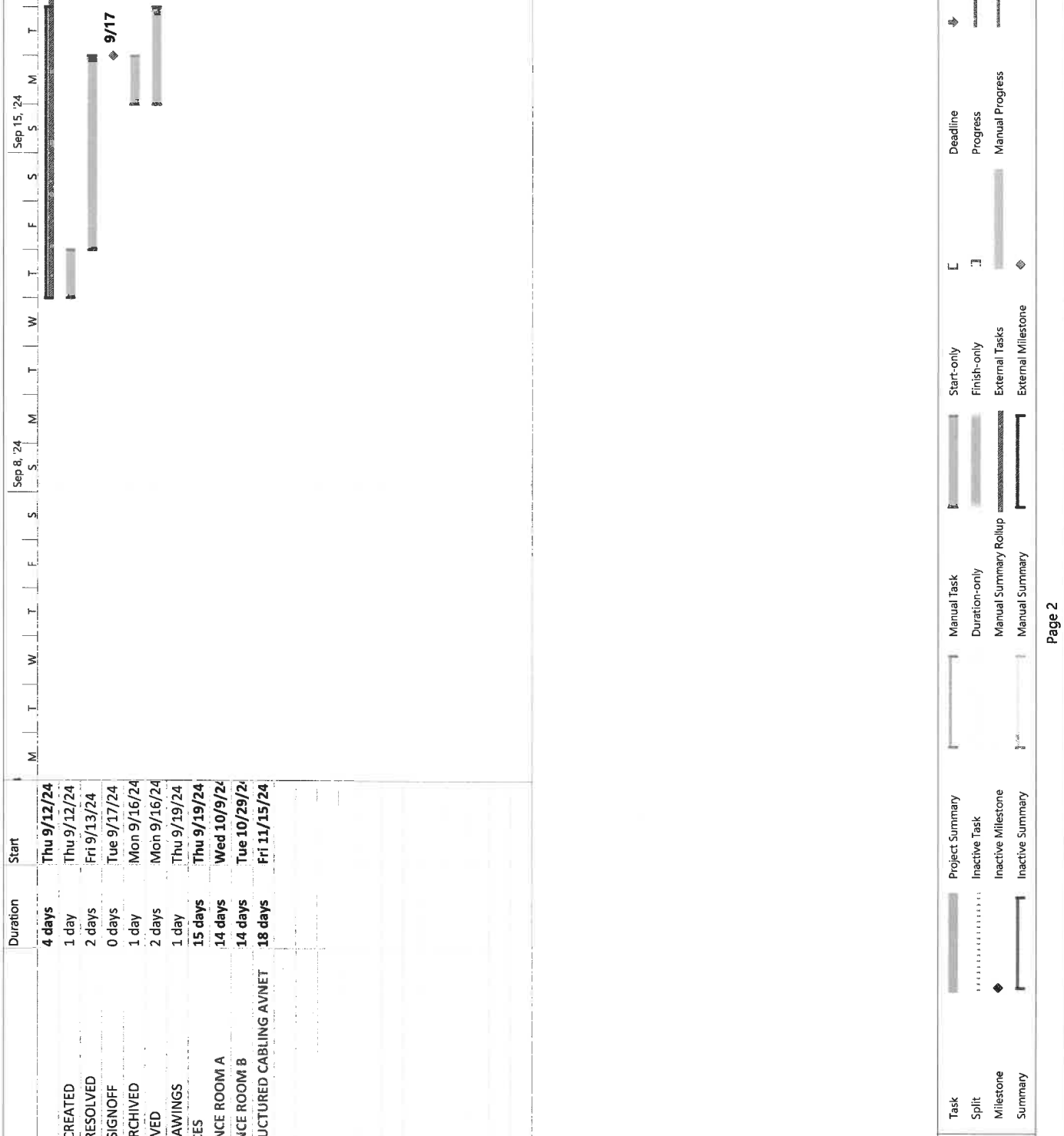
Dec 1, '24

Dec 8, '24

Dec 15, '24

Dec 22, '24

Dec 29, '24



Project: AVI-SPL OPPORTUNITY
 Date: Fri 3/22/24

Task: Project Summary, Inactive Task, Inactive Milestone, Inactive Summary

Split: Manual Task, Duration-only, Manual Summary Rollup, Manual Summary

Milestone: Start-only, Finish-only, External Tasks, External Milestone

Summary: Deadline, Progress, Manual Progress

ID	Task Name	Duration	Start	W	T	F	S	S	M	T	W	T	F	S	S	M	Oct 13, 24	Oct 20, 24	Oct 27, 24
1	AVI-SPL OPPORTUNITY 447705	182 days	Mon 4/1/24																
2	AVI-SPL INTERNAL PROCESS	6 days	Mon 4/1/24																
3	CONTROL ROOM A	14 days?	Mon 4/8/24																
45	COMMITTEE ROOM A	22 days	Thu 4/25/24																
86	CONTROL ROOM B	26 days	Fri 5/24/24																
127	COMMITTEE ROOM B	25 days	Fri 7/5/24																
168	FACILITY LOBBY	18 days	Thu 8/8/24																
209	MEMBERS / STAFF AREA	14 days	Mon 9/2/24																
250	4TH FLOOR OFFICES	15 days	Thu 9/19/24																
291	SMALL CONFERENCE ROOM A	14 days	Wed 10/9/24																
292	PROJECT ENGINEERING	3 days	Wed 10/9/24																
293	EQUIPMENT REVIEW (BOM)	2 days	Wed 10/9/24																
294	PRE CAD EVALUATION	1 day	Thu 10/10/24																
295	CAD	3 days	Fri 10/11/24																
296	M&E DRAWINGS	2 days	Fri 10/11/24																
297	FUNCTIONAL DRAWINGS	2 days	Mon 10/14/24																
298	DRAWING REVIEW	1 day	Tue 10/15/24																
299	PROGRAMMING	2 days	Tue 10/15/24																
300	CODE CREATION	1 day	Wed 10/16/24																
301	TESTING	2 days	Tue 10/15/24																
302	GUI REVIEW CALL	0 days	Wed 10/16/24																
303	PROJECT MANAGEMENT	4 days	Wed 10/9/24																
304	PROJECT REVIEW	1 day	Wed 10/9/24																
305	INTERNAL MEETINGS	2 days	Thu 10/10/24																
306	EXTERNAL MEETINGS	1 day	Fri 10/11/24																
307	SCHEDULING	1 day	Mon 10/14/24																
308	CUSTOMER UPDATEDS	0 days	Tue 10/15/24																
309	PROJECT COORDINATION	3 days	Thu 10/10/24																
310	PROCURE EQUIPMENT	1 day	Thu 10/10/24																
311	EQUIPMENT TRACKING	2 days	Fri 10/11/24																
312	ADMINISTRATIVE DUTIES AS NEEDED	0 days	Mon 10/14/24																
313	INSTALLATION	7 days	Tue 10/15/24																
314	WIRE PULL	1 day	Tue 10/15/24																
315	INSTALL SPEAKERS	3 days	Tue 10/15/24																
316	INSTALL DEVICES	4 days	Thu 10/17/24																
317	INSTALL RACKS	1 day	Wed 10/23/24																
318	TECH SHOP	3 days	Mon 10/14/24																
319	RACK BUILD	2 days	Mon 10/14/24																
320	INSTALL CODE	1 day	Tue 10/15/24																
321	INSTALL FIRMWARE	1 day	Wed 10/16/24																
322	COMMISSIONING	3 days	Wed 10/23/24																

Project: AVI-SPL OPPORTUNITY
Date: Fri 3/22/24

Task Summary: Project Summary, Inactive Task, Inactive Milestone, Inactive Summary

Task: Task, Split, Milestone, Summary

Manual Task: Manual Task, Duration-only, Manual Summary Rollup, Manual Summary

Start-only: Start-only, Finish-only, External Tasks, External Milestone

Deadline: Deadline, Progress, Manual Progress

ID	Task Name	Start	Duration	Oct 13, '24	Oct 20, '24	Oct 27, '24
323	TESTING	Wed 10/23/24	2 days			
324	CUSTOMER TRAINING	Fri 10/25/24	1 day			
325	CLOSEOUT	Wed 10/23/24	4 days			
326	PUNCHLIST CREATED	Wed 10/16/24	1 day			
327	PUNCHLIST RESOLVED	Wed 10/16/24	4 days			
328	CUSTOMER SIGNOFF	Wed 10/16/24	0 days			
329	MANUALS ARCHIVED	Wed 10/23/24	4 days			
330	CODE ARCHIVED	Thu 10/24/24	3 days			
331	AS-BUILT DRAWINGS	Mon 10/28/24	1 day			
332	LARGE CONFERENCE ROOM B	Tue 10/29/24	14 days			
373	NETWORK & STRUCTURED CABLING AVNET	Fri 11/15/24	18 days			
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Project: AVI-SPL OPPORTUNITY
Date: Fri 3/22/24

Task: Project Summary, Inactive Task, Inactive Milestone, Inactive Summary

Milestone: Milestone

Summary: Summary

Manual Task: Manual Task, Duration-only, Manual Summary Rollup, Manual Summary

Start-only: Start-only, Finish-only, External Tasks, External Milestone

Deadline: Deadline, Progress, Manual Progress

Test me what you want to do

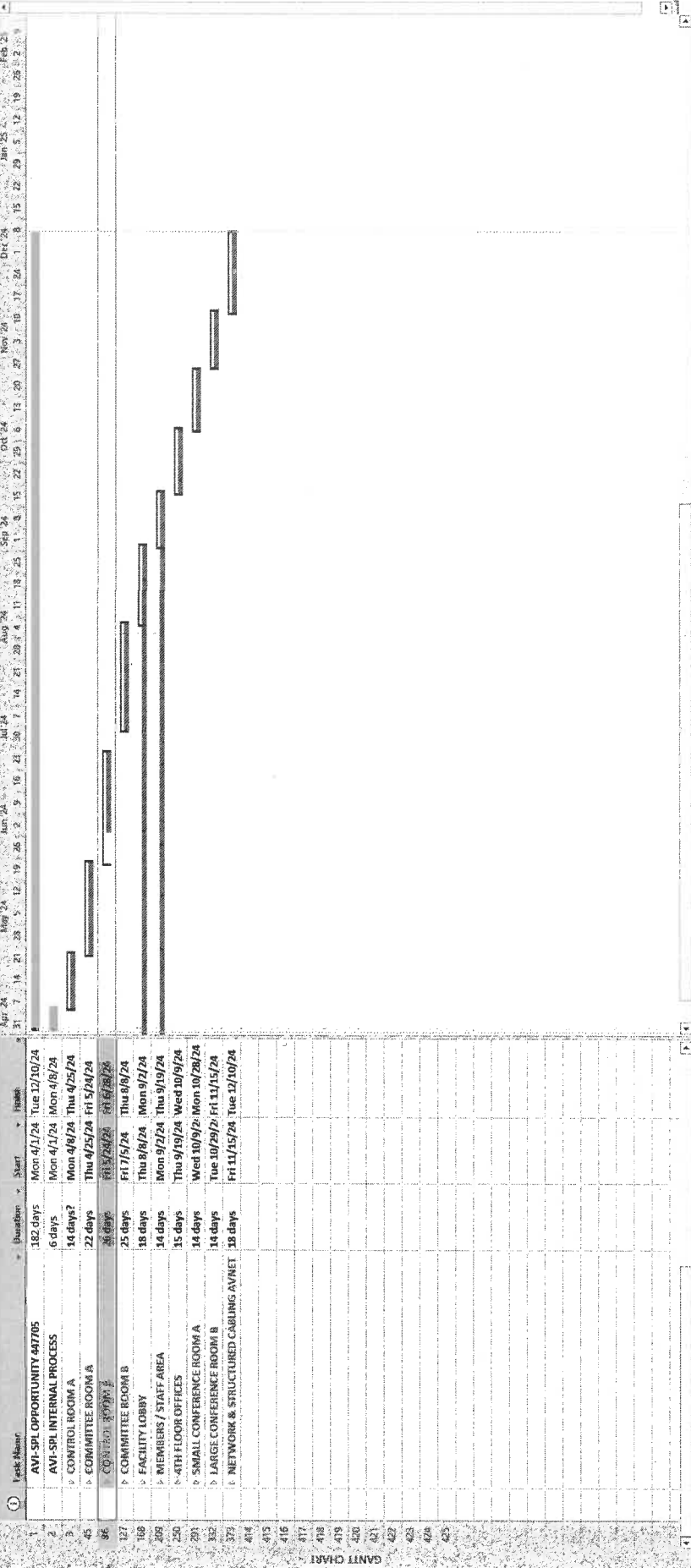
File Task Resource Report Project View Help Gantt Chart Format

Task Usage Board Scheduler Network Diagram Resource Usage Resource Sheet Planner Other Views

Task Board Scheduler Network Diagram Resource Usage Resource Sheet Planner Other Views

Task Usage Board Scheduler Network Diagram Resource Usage Resource Sheet Planner Other Views

Task Usage Board Scheduler Network Diagram Resource Usage Resource Sheet Planner Other Views



Recent Contracts

M&T Bank Stadium

Value: \$4.2M

Contact Information will provided upon request

Space Force Command Center

Value: \$4.5M

Contact Information will provided upon request

Apple

Value: \$5.2M

Contact Information will provided upon request

References

Entercom

Installed 45 Conference Spaces and Videowall

Value: \$2.4 Million

Paul Donovan

Paul.Donovan@audacy.com

By Request Only

Amazon

Installed Conference Rooms, Executive Rooms and Training Rooms. Technology included Cisco Video and Crestron Control Systems

Value: \$3.0 Million +

Owen McClain

Omclain@amazon.com

(650) 428-1782

University of Arkansas Fort Smith

Upgraded classrooms campus-wide.

Value: \$1.0 Million +

Cheryl Davis

Cheryl.davis@uafs.edu

(479) 788-7459

Similar Projects

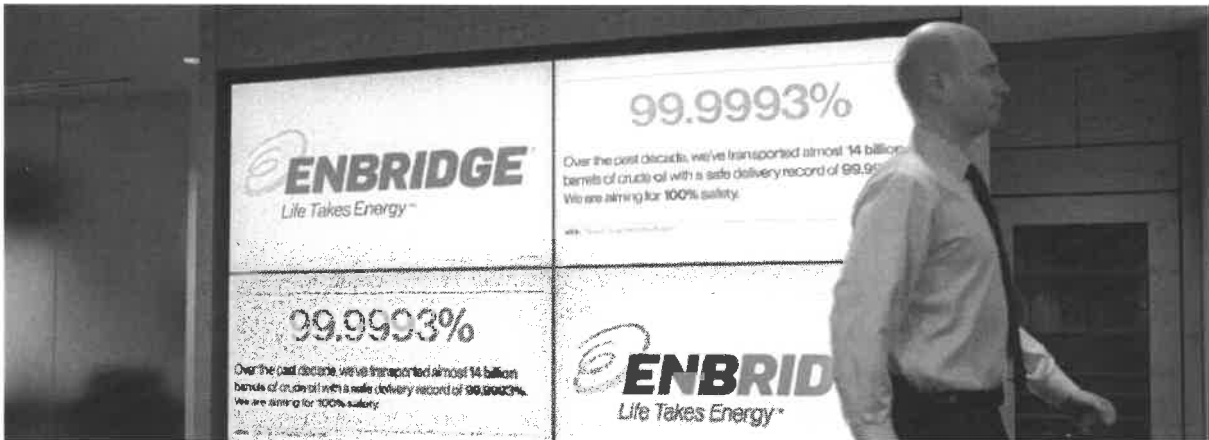
Energy Market

Enbridge

Calgary, Canada



AVI-SPL helped energy company Enbridge renovate its Calgary headquarters in order to improve the efficiency of its operations across multiple departments and the way its staff work together in its collaboration spaces.



Client Requirements

- Consolidate workspaces and tailor them to different business units
- Standardize meeting spaces and make them easier to locate
- Implement meeting spaces ready for collaboration in under a minute

Why AVI-SPL

- Early, collaborative engagement in the design process
- Experience with developing use cases and creating a mock-up room that would serve as a template for the meeting areas



Enterprise Market

7-Eleven

Irving, TX



7-Eleven’s Store Support Center in Irving, TX, is the hub for the company to better support their franchises around the world. With constant communication and collaboration a requirement, as well as the need to complete 100 conference rooms, a provider with experience in global collaboration and overall scope was required. AVI-SPL standardized and integrated solutions from Polycom, Microsoft, and Crestron throughout all conference rooms, empowering the company to work with franchisees anywhere.

Client Requirements

- Provide the AV and collaboration tools that gives employees the ability to do their jobs effectively
- Design and integrate over 100 conference rooms into its new support facility
- Empower staff to react quickly, come together, and collaborate

Why AVI-SPL

- Early, collaborative engagement in the design process that revealed what would and would not work
- Ability to standardize on different types of rooms
- Multiple certifications in Polycom technology solutions
- Proactive stance toward technology usage and adjusting the user experience on the fly



Enterprise Market

Envy Gaming

Dallas, TX



Envy Gaming is a collective esports and gaming company. Within its headquarters, Envy uses its broadcast studio to host tournament games and show 3D content. AVI-SPL installed Absen Acclaim Plus dvLED video walls. One wall is in the competition room, where the wall mirrors the gamers' PCs during competition. The other wall is in the podcast room, where Envy broadcasts and reviews matches. Both walls meet Envy's need for a high-quality, dynamic solution that enables them to be creative in their set design.

Client Requirements

- Broadcast studio with LED elements
- Show client and digital signage messages during esports matches
- A flexible space that accommodates different set-ups

Why AVI-SPL

- Close partnership with Envy Gaming
- Focus on the outcome the company expected
- Expertise in esports arena
- Broad knowledge of LED technology



Enterprise Market
Atmosphere Commercial Interiors
Minneapolis, MN

ATMOSPHERE
 COMMERCIAL INTERIORS



The renovated headquarters for Atmosphere Commercial Interiors includes meeting spaces and technology that make it easy for staff to collaborate and give guests a clear vision of what is possible in their workplaces. In the innovation center known as The Hatchery, dozens can assemble to brainstorm new ideas. The Life Reimagined space includes 25 team rooms (many with glass walls), all with local inputs so that groups of two to four can quickly access the network for collaboration and share content from their personal devices.

Client Requirements

- Bring together teams large and small in environments conducive to working collaboratively on projects
- Choice and control over how team members work and complete their tasks
- Accommodate a variety of work styles and technology
- Find the right partner that to work closely with and deliver the necessary support and expertise

Why AVI-SPL

- Operational excellence and customer intimacy
- Knowledge to identify and implement solutions that would meet need for flexibility and quality
- Ability to work around day-to-day operations and minimize impact to client areas



Enterprise Market
Zurich Insurance Group
Schaumburg, IL



Zurich Insurance Group, a worldwide company that provides a variety of insurance and financial products to large corporations, partnered with AVI-SPL to develop headquarters that set the standard for its other locations by establishing a collaborative experience that energizes staff.

Client Requirements

- Create headquarters where people want to work
- Technology tools that are simple, reliable, and intuitive



Why AVI-SPL

- Trust and synergy between teams at project outset
- Programming expertise to create simple controls and easy-to-use booking panels
- An integration team that could engineer, test, and implement solutions for over 300 rooms in less than a year
- Coordination with different trades across 780,000-square-foot complex



Enterprise Market
Business Development Bank of Canada
Montreal, Canada



The new headquarters for the Business Development Bank of Canada needed collaboration solutions that are easy to use and enable its staff to work with each other and their clients in the same room and throughout their branch offices. AVI-SPL's design and integration work aligned with BDC's desire to work in spaces that inspire collaboration and lead to improved innovation.

Client Requirements

- Spaces that inspire “social collisions”
- User-friendly technology with a “wow” factor



Why AVI-SPL

- Creative set of proposals that showed BDC how it could realize its goals
- Delivery of a proof-of-concept collaboration room
- Certifications to deliver BDC's need for Cisco video conferencing
- Ability to adapt as BDC's needs evolved



Failed Projects

AVI-SPL has not been involved in any suspensions, debarments and/or significant litigations.

Outline/Other Qualifications

AVI-SPL LLC stands as an ideal candidate to fulfill the audio-visual system and services contract for the Arkansas Legislative Council's requirements. With a robust track record in delivering professional-grade broadcast solutions, AVI-SPL is poised to provide a seamless in-room production experience for all legislative committee meetings at the designated facility.

Quality Assurance Commitment

AVI-SPL ensures your satisfaction through quality solutions, design, and integration, all delivered with exceptional service. Our process standards follow AV industry best practices, as proven by our APEx certification and adherence to AVIXA guidelines. Our project managers, engineers, and technicians are trained to adhere to these high standards.

Our teams begin each project by taking the time to understand your stakeholder needs and business goals. We then tailor our quality management oversight to meet those needs. Your AVI-SPL project manager has the ultimate responsibility for quality management during the project.

Solution design begins with a critical needs analysis, ensuring the system design and functionality meet your specific requirements. Quality management has equal priority with deliverable execution, schedule management, and cost control. We establish processes and procedures necessary to provide cost-effective services. Throughout execution, our teams leverage quality control standards and checklists to ensure quality is built into the deliverables during each step of the design and installation process.

To ensure your project meets our high standards and yours, we have developed an internal quality process based on recognized objectives:

- **Assess** business processes and **propose** and **steer** a sustainable communications plan.
- **Apply best practices** to engineering end-to-end solutions tailored to your needs and environment.
- **Build and test new systems** at our fabrication facilities for on-time delivery and integration at the customer site under the guidance of our experienced project management team.
- **Accelerate return on investment** by fostering end-user adoption through on-demand training and a documentation library.
- **Ensure value** with 24/7 help desk support, managed services, and strategic on-site solutions such as staff augmentation.

Below is a sample of our quality assurance processes and checkpoints.

Project Management

- You have a single point of contact throughout your deployment who will provide a detailed schedule and progress reports
- Provide rigorous planning for communication, risk, schedule, and quality control for hardware, software, and UX management
- Monitor and manage all quality control measures from inception to turnover to service

CAD

- Our team ensures that installation and external requirements are understood and properly executed to meet design requirements
- Utilize drawing standards that capture critical details for coordination between architects, trades, and all shop and field execution
 - Location of AV components to coordinate any needed connectivity pathways and power
 - Dimension and precise fitment information for architecture coordination to avoid delays and setbacks.
 - Connectivity and signal flow details that include audio, video, control, network, and power
- Paperless redline(markup) process to track field adjustments and changes throughout to project deployment for accurate as-built documentation

Programming

- Work with your stakeholders to define your programming roadmap based on IT and end-user system operation requirements and preferences
- Break the roadmap into an agile workflow with weekly and monthly sprints and execute it with your participation and approval during development stages
- Leverage Gitlab for software development and track project goals, milestones, and module development progress
- Complete detailed graphical user interface design and functionality development for your review and final approval
- Use GIT to manage software revisions to ensure all changes are managed
- Generate automated deployment packages to ensure all artifacts are released consistently

Engineering and Commissioning

- Detailed system testing through best practice of an acceptance test plan validating solutions operation and performance level
- Coordination and configuration of IP-addressable AV devices that reside on an AV Network or a client network interface
- Updating software and firmware of hardware to currently supported versions and changing any default usernames and passwords
- Detailed capture of all specific equipment, IP, MAC Address, and any other needed information for customer and service use

Rack Fabrication

- Detailed and standardized rack fabrication and labeling procedures to ensure consistency in assembly, mounting, and cable management
- Conformance staging, testing, and validation of rack and equipment systems in AVI-SPL's fabrication facility to ensure all systems are operational and work as you expect them to before installation. Some site requirements may dictate on-site builds and testing at your location

Field Installation

- Follow detailed field installation and labeling standards based on industry best practices
- Conformance validation testing of installation before final testing and commissioning work

Final Walk-through Acceptance and Demonstration

- Customer inspection of completed systems

- Fully operational system demonstration for your final approval
- Delivery of system as-built documentation (drawings, IP, equipment serial numbers)



Service Turnover

- Fully executed system documentation and information provided to AVI-SPL service teams

Customer Experience Scores

AVI-SPL reviews include net promoter score (NPS), customer satisfaction (CSAT), and TrustRadius customer reviews. These scores and reviews are essential parts of how we listen and react to the voice of the customer. We strive to deliver digital enablement solutions that support effective collaboration for your teams.

Net Promoter Score (NPS)	NPS is a score based on customer survey responses to the question: On a scale of 1 to 10, how likely are you to recommend AVI-SPL to a friend or colleague?
Customer Satisfaction (CSAT)	Customer Satisfaction (CSAT) is the percentage of survey respondents who report a satisfaction rating of 5-7 on a scale of 7. Customers receive a survey to rate the level of service following a completed integration project or support request.
TrustRadius	TrustRadius reviews include ratings and comments from customers who have done business recently with AVI-SPL.

Net Promoter Score (NPS)	Customer Satisfaction (CSAT)	TrustRadius
<p>Score is reported as a number from -100 to +100; a higher score is desirable. Standardized question used.</p> <p>Net Promoter® Score LTM</p> <p>68</p> <p>Services</p> <p>62</p> <p>Integration</p>	<p>The percentage of survey respondents who report a satisfaction rating of 6-7 on a scale of 7.</p> <p>87 CSAT</p> <p>Service last 12 mos.</p> <p>83 CSAT</p> <p>Integration last 12 mos.</p>	<p>Customer reviews for business technology that are verified by a third-party, multi-step process.</p> <p>Score 8.4 out of 10</p> <p></p> <p></p> <p>Source: https://www.trustradius.com/products/avi-spl/reviews</p>



AVI-SPL
Top Rated in

- Video Conferencing
- Digital Signage
- Managed IT Service
- Product Implementation Services
- UCaaS
- Unified Communications Monitoring
- Value-Added Resellers
- Video Collaboration

Certifications and Training

Because AVI-SPL is committed to providing our clients with the highest level of service, we have established performance standards that reach beyond those of industry organizations. Before granting increased responsibilities to our technical staff, we enroll them in courses that ensure they have the skills to support your project.



AVI-SPL coursework includes AVIXA certifications such as CTS, CTS-I, and CTS-D, and technology-specific supplier training. Topics of study include digital signal processing, video conferencing, control systems, data networking, cloud collaboration, and many others that are essential to creating the systems that benefit organizations of all types.

Industry Certifications	1,084
Manufacturer Certifications	4,399
Cloud Platform Certifications	1,677
Safety Certifications	2,140

All project managers have earned certifications based on Project Management Institute (PMI) standards. Our design engineers must be certified with a minimum of a CTS-D, and most have a BSEE degree. Programmers must be trained and certified by AMX or Crestron or both to obtain the position of senior programmer.

Our staff are continually receiving education from industry and manufacturer partners. We provide career ladders and advancement incentives, and we are happy to say that our employees are constantly growing, thriving, and advancing within AVI-SPL. With our teams at your call, you receive the benefit of certified staff who will deliver the best possible solution to your collaboration needs.

Our standards conform to the following trade and regulatory bodies:

- AQAV
- OSHA-Occupational Safety and Health Administration
- NFPA-National Fire Protection Agency
- NEC-National Electrical Code
- UL-Underwriters Lab
- AIA-American Institute of Architects
- CSI-Construction Specifications Institute
- AGC-Associated General Contractors
- SEI-Structural Engineering Institute
- GPN Certified Agent and Resale Host
- Express Foundation



AVI-SPL Corporate Certifications

We are authorized resellers of all products we sell. Our Preferred Partner Program ensures that we receive the best pricing, priority inventory, reduced shipping cost, and expedited warranty service. These benefits are passed on to you as an AVI-SPL customer. A sampling of our manufacturers and certifications:

	Platinum PLUS Level Value Added Partner (VAP)
	National Diamond Partner (US, CAN)
	Platinum Partner
	Bose Professional Platinum Level
	Christie Platinum Partner
	Cisco Premier Integrator (US, UK/DE) Advanced Collaboration Architecture (US) Advanced Enterprise Networks Architecture (US) Collaboration SaaS (Global) Customer Experience (US, CAN, UK) Environmental Sustainability (US, CAN, UK/DE, in progress: UAE)
	Platinum Elite Dealer
	Platinum National AV Partner
	Platinum
	Premier
	Gold Partner

	<p>Microsoft Managed Partner (US, CAN and LATAM) Cloud Solutions Partner Designation: Modern Work Modern Work Specialist: Teams Meetings and Meeting Rooms for Microsoft Teams and Calling for Microsoft Teams Surface Hub Authorized Device Reseller</p>
	<p>Advanced Pro Partner</p>
	<p>Newline Platinum Partner</p>
	<p>Elite Partner</p>
	<p>Platinum Status</p>
	<p>Platinum Partner</p>
	<p>Global Platinum Partner with Sharp/NEC Display Solutions</p>
	<p>Shure Diamond Level Dealer</p>
	<p>National Partner</p>
	<p>National Account Level</p>
	<p>Gold Partner</p>
	<p>Certified Integrator and Master Agent</p>

Employee Certifications

AVI-SPL employees hold a wide range of industry and manufacturer partner certifications. To stay current on the latest technologies and trends, our technical experts consistently test and update their skills via the industry-leading association – AVIXA. Our teams hold the following certifications:



CTS: 559	CTS – D: 62	CTS – I: 136
CTS – D and CTS – I: 44		

In addition to AVIXA, our teams hold certifications from these technology providers among others:



Crestron Intelligent Video Design	Crestron Masters Technology Architect Commercial
Crestron Masters Certified Programmer Silver, Gold, and Platinum	Crestron MTA-S Silver
Crestron Masters Sales Associate Commercial	Crestron SIMPL# and SIMPL#Pro



Microsoft Teams Adm Associate Certification – MS700/701	Microsoft Teams Rooms Professional Solution Sales Badge
Microsoft Teams Calling Technical Assessment	Microsoft Teams Rooms Technical Solutions Badge
Microsoft Adoption Services Specialists Assessment	Empowering.Cloud Sales Course
Enterprise Administrator Expert Certification – MS100/101	



Poly Advanced Services	Poly RealPresence Clariti
Poly Global Services	Poly RealPresence Immersive
Poly Installed Voice Sales	Poly US Federal/NATO
Poly RealConnect for Office 365	Polycom Product Registration

Zoom

Getting Started with Zoom	Zoom Rooms Qualified Specialist
Introduction to Zoom Administration	Zoom Technical Product Training
ZCSA - Customer Success Management	ZSA - Zoom Contact Center Assessment
ZDA - Zoom Phone Deployment Advanced	ZSA - Zoom Foundations
ZDA - Zoom Phone Deployment Fundamentals	ZSA - Zoom Meetings and Team Chat Assessment
Zoom Meetings Qualified Sales Specialist	ZSA - Zoom Phone
Zoom Overview	ZSA - Zoom Rooms Assessment
Zoom Phone Administration	ZTSA - Zoom Contact Center Assessment
Zoom Phone Deliver Engineer	ZTSA - Zoom Foundations
Zoom Phone Project Manager	ZTSA - Zoom Meetings and Team Chat Assessment
Zoom Phones Sales Specialist	ZTSA - Zoom Phone
Zoom Rooms Administration	ZTSA - Zoom Rooms



Advanced Collaboration Architecture Specialization	Cisco Certified Internetwork Expert
Advanced Enterprise Networks Architecture Specialization	Cisco Certified Network Professional
Customer Experience Specialization	Cisco Certified Network Associate
Environmental Sustainability Specialization	Webex Calling Administrator
Premier Integrator Reseller	Cisco Certified Specialist
Cisco Webex Calling	US Federal Authorization
Security Specialization	Meraki Partner



AVI-SPL Office Locations

United States Locations

United States			
Arizona	Phoenix Tucson	New Mexico	Albuquerque
California	Bay Area Los Angeles Sacramento San Diego San Francisco	New York	New York Metro
Colorado	Denver Westminster	North Carolina	Charlotte Durham Greensboro
Connecticut	Hartford	Ohio	Cleveland
Florida	Jacksonville Orlando South Florida Tampa (Global HQ)	Oklahoma	Oklahoma City
Georgia	Atlanta	Pennsylvania	Philadelphia Pittsburgh AVI-SPL VideoLink Philadelphia
Illinois	Chicago	Tennessee	Memphis Nashville
Kansas	Kansas City	Texas	Austin Dallas Houston
Maryland	AVI-SPL VideoLink Baltimore Columbia	Utah	Salt Lake City
Massachusetts	Boston Worcester AVI-SPL VideoLink Boston AVI-SPL VideoLink Newton	Virginia/DC	Richmond Virginia Beach Washington, D.C.
Michigan	Detroit Grand Rapids	Washington	Seattle
Minnesota	St. Paul	Wisconsin	Milwaukee
Nebraska	Omaha		

*All project photographs featured in this proposal are of AVI-SPL completed projects.

Awards and Recognition

Our knowledge pool, ability to design and execute functional and appealing systems, and post-install support are second to none. We have received a wide range of industry and manufacturer acknowledgment, including:

2023

- 2024 Best Practices Award as the Enabling Technology Leader in the Global Experiential Technology Solutions Industry
- Systems Contractor News, Top 50 Systems Integrators, Ranked #1
- Cisco Webex Reimagine Workspaces Partner of the Year – Americas Award
- rAVe 2023 Readers' Choice Award for Favorite Integrator of the Year
- Integrator of the Year APAC Award
- MONDO-DR Award—Museum Category
- Strategic Account Management Association (SAMA) award for 2023 C-Suite Support and Engagement
- Frost and Sullivan 2023 Best Practices Award for Global Experiential Solutions
- Higher Ed AV's Project of the Year (Best in Class)
- 8 TrustRadius Awards: Best of 2023, Best Value for Price, Top Rated, Best Feature Set, Best Relationship, Tech Cares Award
- Commercial Integrator's Make a Difference Award

2022

- Strategic Account Management Association (SAMA) award for 2022 Outstanding Mature Program of the Year
- SAMA 2022 inaugural Systemic Enablement of the SAM Program award
- Microsoft Gold Cloud Productivity Competency
- Microsoft Managed Partner
- Middle East wins LAVNCH [CODE] 2022 Out of This World award for Museum of the Future
- rAVe 2022 Readers' Choice Award for Favorite Integrator

2021

- Systems Contractor News, Top 50 Systems Integrators, Ranked #1, **17 consecutive years**
- Partner of the Year Finalist, Microsoft Surface Hub Reseller of the Year
- Cisco Customer Experience (CS) Specialization
- Commercial Integration BEST Award for Immersive Experience (Microsoft Welcome Wall)
- Strategic Account Management Association Excellence Awards, Outstanding Mature SAM Program
- Samsung Blue Partner of the Year, Display Awards

2020

- Systems Contractor News, Top 50 Systems Integrators, Ranked #1
- AV Awards, International Integrator of the Year
- IMCCA, UC Industry Impact Award
- Commercial Integrator BEST Award for Large-Scale Control System (AVI-SPL Symphony)
- rAVe Readers' Choice Awards, Favorite AV Dealer
- AVIXA AV Experience Awards, Best Collaborative Experience (Klarman Hall at Harvard Business School)
- Strategic Account Management Association Excellence Awards, Outstanding Young SAM Program

Pricing

Investment Summary

Prepared For: Jillian Thayer	Prepared By: Greg Maniss
State of Arkansas Bureau of Legislative Research	Date Prepared: 03/22/2024
500 Woodlane Street	Proposal #: 447705-1
State Capitol Building, Room 315	Valid Until: 07/21/2024
Little Rock, AR 72201-1011	

Total Equipment Cost **\$762,798.59**

Includes cable, connectors, hardware, switches, relays, terminal blocks, panels, etc., to ensure complete and operational system

Professional Integration Services **\$721,617.66**

Includes engineering, project management, CAD, on-site installation and wiring, coordination and supervision, testing, checkout, owner training, etc. performed on the Owner's premises. Also includes all fabrication, modification, assembly, rack wiring, programming, warranties, etc., some performed at AVI-SPL

Direct Costs **\$124,376.32**

Includes non equipment or labor costs, such as travel expenses, per diem, lift and vehicle rentals

General & Administrative **\$33,600.78**

Includes all G & A expenses: vehicle mileage, shipping and insurance, as applicable

Services - Room Support and Maintenance **\$36,439.60**

Includes post-installation support and maintenance options selected for installed rooms

Services - Device Maintenance **\$26,989.77**

Includes post-installation maintenance options selected for installed devices

Subtotal **\$1,705,822.72**

Tax **\$147,127.21**

Total **\$1,852,949.93**

*** ANY and all applicable taxes will be included upon invoicing**

Purchase orders should be addressed to AVI-SPL LLC

Due to global semiconductor ("chip") shortages and supply chain disruptions pricing quoted in this proposal may change. Installation schedules are subject to current (daily) product availability and may be delayed or postponed.

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Room Summary - Control Room - Committee Room A

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		Control Room A - Audio			
YAMAHA	YAMQL1	DIGITAL MIXER CONSOLE, 16 FADERS + 2 MASTER FADERS 16 ONBOA	1	\$7,459.89	\$7,459.89
YAMAHA	YAMLA1L	Console light, 18" gooseneck, ultra-bright fourplex LED	1	\$77.98	\$77.98
JBL	JBL306PMKII	SPEAKER, 6" TWO-WAY STUDIO MONITOR	2	\$152.85	\$305.70
AKG	AKG2058X00130	HEADPHONES, K240 STUDIO, SEMI-OPEN CIRCUMAURAL	1	\$60.67	\$60.67
		Control Room A - Video			
SONY PRO B2B	SONFW55BZ30L	LCD, 55" 4K/UHD 440NIT 16LB IPS 1200:1C LED SPK 24/7	2	\$838.07	\$1,676.14
CHIEF	CHIMTM1U	MOUNT, MEDIUM FUSION MICRO-ADJ TILT WALL MOUNT	2	\$129.21	\$258.42
PLANAR SYSTEMS	PLA9979363	LCD, 24" 1080P 250NIT 12LB HELIUM TOUCH (PCT2435)	1	\$286.52	\$286.52
CHIEF	CHIK1D120B	MOUNT, K1 DESK SINGLE DISPLAY 2L ARM - BLACK	1	\$194.70	\$194.70
DELL COMPUTERS	DELE2723H	LCD, 27" MONITOR 1080P 300NIT 16:9 3000:1 9LB	1	\$215.72	\$215.72
CHIEF	CHIK2C120B	MOUNT, K2 CLMN SINGLE DISPLAY 2L ARM - BLACK	1	\$169.08	\$169.08
EXTRON ELECTRONICS	EXT60127112	EXTENDER, HDMI TWISTED PAIR TRANSMITTER	3	\$320.22	\$960.66
EXTRON ELECTRONICS	EXT60127113	EXTENDER, DTP HDMI 4K 230 - RECEIVER	3	\$320.22	\$960.66
EXTRON ELECTRONICS	EXT60168601	ADAPTER, ACTIVE, DISPLAYPORT FEMALE TO HDMI FEMALE	2	\$264.04	\$528.08
VIZRT	VIZTC2E3RU	TriCaster 2 Elite 3RU (Chassis w/ redundant power)	1	\$30,633.51	\$30,633.51
VIZRT	VIZPTUTC2E3RU	ProTek Ultra for TriCaster 2 Elite	1	\$2,863.30	\$2,863.30
VIZRT	VIZ2STRIPE	2 Stripe Control Panel	1	\$10,048.40	\$10,048.40
VIZRT	VIZPTU2STRIPE	ProTek Ultra for 2 Stripe Control Panel	1	\$1,113.30	\$1,113.30
VIZRT	VIZPSP10HOUR	10 HOUR PROFESSIONAL SERVICES PLAN - REMOTE	1	\$2,123.40	\$2,123.40
		Control Room A - Archive/Storage			
DELL COMPUTERS	DELCUSTOM001	INSPIRON DESKTOP TOWER - FOR OBS STUDIO SOFTWARE	1	\$1,573.02	\$1,573.02
OBS	OBSSTUDIO001	OBS STUDIO - WINDOWS - FREWARE	1	\$0.00	\$0.00

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Mfg	Model	Description	Qty	Unit Price	Extended Price
B&H	SYN1621P72TQ	SYNOLOGY 72TB DISKSTATION W/6 SEAGATE IRONWOLF NAS DRIVES	1	\$2,629.13	\$2,629.13
		<u>Control Room A - Discussion Mic Queue Management</u>			
DELL COMPUTERS	DELCUSTOM002	OPTIPLEX SMALL FORM FACTOR PC - FOR QUEUE BROWSER	1	\$819.10	\$819.10
		<u>Control Room A - Live Panel</u>			
DELL COMPUTERS	DELCUSTOM003	OPTIPLEX SMALL FORM FACTOR PC - FOR LIVE PANEL	1	\$819.10	\$819.10
ICRON TECHNOLOGIES CORPOR	ICR2301GELAN	EXTENDER, USB 2.0 RANGER 2301 GE LAN 1-PORT USB 2.0 GIGABIT	1	\$612.54	\$612.54
		<u>Control Room A - KVM / Display System</u>			
ADDER	ADDDDX10US	SWITCH, ADDERVIEW DDX10 MATRIX	1	\$1,176.40	\$1,176.40
ADDER	ADDDDXUSRUS	RECEIVER, ADDERVIEW DDX USER STATION	1	\$391.01	\$391.01
ADDER	ADDDDXCAMDVI	ACCESS MODULE, DDX COMPUTER - DVI-D	2	\$182.02	\$364.04
DELL COMPUTERS	DELE2423HN	LCD, 24" MONITOR 1080P 250NIT 16:9 3000:1 9LB	1	\$117.98	\$117.98
CHIEF	CHIK2C120B	MOUNT, K2 CLMN SINGLE DISPLAY 2L ARM - BLACK	1	\$169.08	\$169.08
		<u>Control Room A - Control Panel</u>			
QSC	QSCTSC101G3	CONTROLLER, 10.1" TOUCH PANEL FOR IN-WALL MOUNT, BLACK	1	\$1,987.48	\$1,987.48
QSC	QSCTSC710TG3	TABLE TOP MOUNTING ACCESSORY FOR TSC-70-G3 / TSC-101W-G3	1	\$285.27	\$285.27
		<u>Control Room A & B - Equipment Rack</u>			
MIDDLE ATLANTIC	MIDVMRK54	RACK, 54 SPACE 31" DEEP W/REAR DOOR	1	\$2,165.56	\$2,165.56
MIDDLE ATLANTIC	MIDMW4QFTFC	PANEL, 4.5"(4)FAN/TOP W/FC M/W	1	\$586.52	\$586.52
MIDDLE ATLANTIC	MIDSPN54312	PANEL, SIDE FOR VMRK-54	1	\$721.52	\$721.52
MIDDLE ATLANTIC	MIDPDT1415C	POWER STRIP, 14 OUTLET, 15A, CORD, SURGE	2	\$151.69	\$303.38
MIDDLE ATLANTIC	MIDUPSS2200R	UPS, RACKMOUNT 2200VA 2 SPACE	2	\$865.62	\$1,731.24
		<u>Control Room A & B - OFE Desktop</u>			
OWNER-FURNISHED	OFE501	(OFE) DESKTOP - LONG WALL (CONTROL ROOM - A) (Owner Furnished Equipment)	1	OFE	OFE
OWNER-FURNISHED	OFE502	(OFE) DESKTOP - SHORT WALL (CONTROL ROOM - B) (Owner Furnished Equipment)	1	OFE	OFE
		<u>Control Room A & B - Bulk Cable</u>			
WINDY CITY WIRE	WIN7756600A110	**CABLE, 23-4P OAS SOL PVC C6A (BLACK)	1000	\$0.52	\$520.00
Subtotal					\$76,908.50

Room Support and Maintenance

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Elite Maintenance Services - Room; 12-months

\$3,805.75

Equipment Total	\$76,908.50
Installation Materials	\$8,711.98
Professional Services	\$49,384.82
Direct Costs	\$9,679.91
General & Administrative	\$3,677.30
Services - Room Support and Maintenance	\$3,805.75
Subtotal	\$152,168.26

For informational purposes only – all Purchase Orders must match Investment Summary details.

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Room Summary - Committee Room A

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		COMMITTEE ROOM A - VIDEO			
		(OFE) Owner-Furnished Displays			
OWNER-FURNISHED	OFE001	CEILING-MOUNTED DISPLAY (Owner Furnished Equipment)	10	OFE	OFE
		(OFE) Video Presentation Distribution Equipment			
OWNER-FURNISHED	OFE002	EXTRON DTP SCALING PRESENTATION MATRIX SWITCHER (Owner Furnished Equipment)	1	OFE	OFE
OWNER-FURNISHED	OFE003	EXTRON DTP HD DAB 4K 230 DISTRIBUTION AMPLIFIER (Owner Furnished Equipment)	1	OFE	OFE
OWNER-FURNISHED	OFE004	EXTRON DTP RECEIVER AT CEILING-MOUNTED DISPLAY (Owner Furnished Equipment)	10	OFE	OFE
		HDMI/USB-C Connections (Witness/Chairperson/Support Staff)			
QSC	QSCNV21HU	ENDPOINT, 4K60 4:4:4 NETWORK VIDEO, 1 HDMI 2.0 IN, 1 USB-C	3	\$1,410.67	\$4,232.01
		HDMI Presentation Source Computers to OFE Video Distribution			
QSC	QSCNV21HU	ENDPOINT, 4K60 4:4:4 NETWORK VIDEO, 1 HDMI 2.0 IN, 1 USB-C	1	\$1,410.67	\$1,410.67
		HDMI Presentation Source Computers to NDI			
QSC	QSCNV21HU	ENDPOINT, 4K60 4:4:4 NETWORK VIDEO, 1 HDMI 2.0 IN, 1 USB-C	1	\$1,410.67	\$1,410.67
MAGEWELL	MAG64020	CONVERTER, HD HDMI TO FULL BANDWIDTH NDI ENCODER	1	\$457.30	\$457.30
		PTZ Cameras			
QSC	QSCNC12X80	CAMERA, PTZ NETWORK INCLUDES WALL BRACKET	10	\$2,899.72	\$28,997.20
		SDI to NDI Camera Signal Conversion			
MAGEWELL	MAG64040	CONVERTER, PRO CONVERT SDI PLUS, STANDALONE 1 CHANNEL 3D SDI	10	\$457.30	\$4,573.00
MAGEWELL	MAGPAR10209	1RU RACKMOUNT SHELF - 4.7" DEEP	2	\$0.00	\$0.00
MAGEWELL	MAGACC10013	PRO CONVERT PLUS MOUNTING KIT	10	\$0.00	\$0.00
		Equipment Rack Room Camera Confidence Multiview Display			
DECIMATOR DESIGN	DECDMON12S	**CONVERTER, 12CH 3G/HD/SD MULTIVIEWER W/SDI & HDMI OUT	1	\$1,353.55	\$1,353.55

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Mfg	Model	Description	Qty	Unit Price	Extended Price
DELL COMPUTERS	DELE2423HN	LCD, 24" MONITOR 1080P 250NIT 16:9 3000:1 9LB	1	\$117.98	\$117.98
		COMMITTEE ROOM A - AUDIO			
		(OFE) Owner-Furnished Ceiling Speakers			
OWNER-FURNISHED	OFE005	12" JBL CEILING SPEAKER (Owner Furnished Equipment)	50	OFE	OFE
OWNER-FURNISHED	OFE006	6" JBL CEILING SPEAKER (Owner Furnished Equipment)	12	OFE	OFE
		Amplifiers for OFE Ceiling Speakers			
LEA PROFESSIONAL	LEACONNECT704D	AMPLIFIER, 4 CHANNEL X 700 WATT 4OHM, 8OHM 70V	1	\$2,346.06	\$2,346.06
LEA PROFESSIONAL	LEACONNECT84D	**AMPLIFIER, 4 CHANNEL x 80 W 4O/8OHM, 70V	1	\$1,661.79	\$1,661.79
		Audio DSP and Control Core			
QSC	QSCCORE610	SYSTEM, NETWORK CORE FOR AV&C PROCESSING ON DELL POWEREDGE	1	\$6,545.53	\$6,545.53
QSC	QSCSLCS15610P	SOFTWARE, Q-SYS CAPACITY SCALING LICENSE, CORE 610TUAL	1	\$3,344.87	\$3,344.87
QSC	QSCSLDAN256P	SOFTWARE LICENSE, Q-SYS DANTE 256x256 CHANNEL, PERPETUAL	1	\$4,072.15	\$4,072.15
QSC	QSCSLQSE610P	SOFTWARE LICENSE, Q-SYS CORE 610 SCRIPTING ENGINE, PERPETUAL	1	\$652.04	\$652.04
QSC	QSCSLQUD610P	SOFTWARE LICENSE, Q-SYS CORE 610 UCI DEPLOYMENT, PERPETUAL	1	\$363.64	\$363.64
QSC	QSCQIOML4I	NETWORK AUDIO EXPANDER, 4 MIC/LINE INPUTS	1	\$492.13	\$492.13
QSC	QSCQIOGP8X8	Q-SYS PERIPHERAL PROVIDING CONTROL EXPANSION W/8 LOGIC IN-PU	1	\$306.74	\$306.74
OWNER-FURNISHED	OFE701	PC COMPUTER FOR UC CODECS - TEAMS/ZOOM (Owner Furnished Equipment)	1	OFE	OFE
QSC	QSCNV21HU	ENDPOINT, 4K60 4:4:4 NETWORK VIDEO, 1 HDMI 2.0 IN, 1 USB-C	1	\$1,410.67	\$1,410.67
QSC	QSCSLQBRP	SOFTWARE LICENSE, Q-SYS AV BRIDGING, PERPETUAL	1	\$451.69	\$451.69
		(OFE) Owner-Furnished RF Assistive Listening System (ALS)			
LISTEN TECHNOLOGIES CORPO	LISLT80007201	STATIONARY FM TRANSMITTER 72MHZ/NORTH AMERICA (NO ANTENNA) (Owner Furnished Equipment)	1	OFE	OFE
OWNER-FURNISHED	OFE007	MISC. LOT - ALS RECEIVERS, EAR SPEAKERS AND NECK LOOPS (Owner Furnished Equipment)	1	OFE	OFE
LISTEN TECHNOLOGIES CORPO	LISLA116	ANTENNA, COAXIAL DIPOLE (72MHZ)	1	\$144.94	\$144.94
		(OFE) Wireless Microphone Systems			

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Mfg	Model	Description	Qty	Unit Price	Extended Price
SHURE	SHUULXD4J50	**SINGLE DIGITAL WIRELESS RECEIVER W/PS41US PWR SUP, 1/2 WAV (Owner Furnished Equipment)	3	0FE	0FE
SHURE	SHUULXD2SM58G50	SYSTEM, WIRELESS W/ULXD2 HANDHELD SM58 MIC (Owner Furnished Equipment)	3	0FE	0FE
SHURE	SHUUA844SWB	ANTENNA & POWER DISTRIBUTION SYSTEM	1	\$458.99	\$458.99
		Discussion Microphone System			
TELEVIC	TEL71982904	AUDIO ENGINE, 19" RACK-MOUNTABLE PLIXUS, W/RECORDING + DANTE	1	\$4,546.07	\$4,546.07
TELEVIC	TEL71982911	EXTENDER, PLIXUS NETWORK	10	\$1,400.00	\$14,000.00
TELEVIC	TEL71982915	POWER SUPPLY, PLIXUS NEXT	10	\$320.22	\$3,202.20
TELEVIC	TEL71980131	CONF UNIT, CONFIDEA FLEX TABLETOP CONFIGURABLE TOUCH	94	\$825.84	\$77,628.96
TELEVIC	TEL71980057	MICROPHONE, GSM IMMUNE GOOSENECK OF 70 CM W/SCREWLOCK	94	\$173.03	\$16,264.82
TELEVIC	TEL71981402	SOFTWARE, LICENSE TO ACTIVATE BADGE IDENTIFICATION ON CONFID	94	\$82.58	\$7,762.52
TELEVIC	TEL71983000	SOFTWARE, CONFERO 360 UNLOCK BROWSER INTERFACE LICENSE	1	\$2,717.42	\$2,717.42
TELEVIC	TEL71432002	RFID BADGE READER/WRITER	1	\$656.74	\$656.74
TELEVIC	TEL71432001	RFID BADGE BLANK	200	\$7.87	\$1,574.00
TELEVIC	TEL99060003	99.06.0003-TTC Onsite	1	\$3,932.58	\$3,932.58
TELEVIC	TEL990600031	99.06.0003-1 TTC Onsite 2nd Day	2	\$2,247.19	\$4,494.38
TELEVIC	TEL99060012	SERVICES, 1 HOUR ONLINE PROJECT REVIEW (QUOTE REQ)	1	\$0.00	\$0.00
	FAV801	STORAGE CABINET W/LOCK FOR RFID CARDS (Owner Furnished Equipment)	1	0FE	0FE
		Room Microphones			
SENNHEISER ELECTRONICS	SENTEAMCONNECTCEIL ING2	MICROPHONE, TEAMCONNECT CEILING 2, NO BRACKETS	3	\$3,366.40	\$10,099.20
SENNHEISER ELECTRONICS	SENTCCMSK	MOUNT, CEILING MIC SUSPENSION KIT	3	\$46.52	\$139.56
		Audio Press Wall Panels (Qty 2, 8-Line Out Panels)			
AUDINATE	AUDADPDAOAU0X1	ADAPTER, DANTE AVIO ANALOG OUTPUT W/RJ45 & XLR MALE, 1 CH	1	\$151.69	\$151.69
RADIO DESIGN LABS	RDLRUADA8D	DISTRIBUTION AMPLIFIER, BALANCED/UNBALANCED 2X8, 1X16	1	\$461.27	\$461.27
RADIO DESIGN LABS	RDLPS24AS	POWER SUPPLY, NORTH AMERICA 24 VDC @ 500MA	1	\$27.69	\$27.69
ACE BACKSTAGE	ACEWP308	3-GANG PANEL W/8 NEUTRIK CONNECTOR POSITIONS	2	\$13.17	\$26.34
ACE BACKSTAGE	ACEQTABWH	WHITE COLOR TAB WITH CUSTOM CHARACTERS	16	\$5.62	\$89.92

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Mfg	Model	Description	Qty	Unit Price	Extended Price
ACE BACKSTAGE	ACEC15120	CONNECTOR, NC3MDL-1-B W/GOLD CONTACTS	16	\$6.44	\$103.04
WINDY CITY WIRE	WIN2202SPBLK	CABLE, 22-02 OAS STR CMP BLK JKT BR (MUST ORDER QTY 500)	3000	\$0.17	\$510.00
		COMMITTEE ROOM A - DISCUSSION MIC QUEUE MANAGEMENT			
DELL COMPUTERS	DELCUSTOM201	OPTIPLEX SMALL FORM FACTOR PC - FOR QUEUE BROWSER	1	\$819.10	\$819.10
DELL COMPUTERS	DELE2423HN	LCD, 24" MONITOR 1080P 250NIT 16:9 3000:1 9LB	1	\$117.98	\$117.98
		COMMITTEE ROOM A - CONTROL			
QSC	QSCTSC101G3	CONTROLLER, 10.1" TOUCH PANEL FOR IN-WALL MOUNT, BLACK	2	\$1,987.48	\$3,974.96
QSC	QSCTSC710TG3	TABLE TOP MOUNTING ACCESSORY FOR TSC-70-G3 / TSC-101W-G3	2	\$285.27	\$570.54
		COMMITTEE ROOM A - EQUIPMENT RACKS			
OWNER-FURNISHED	OFE008	(OFE) 1 LOT - EQUIPMENT RACKS & RACK ACCESSORIES (Owner Furnished Equipment)	1	OFE	OFE
		COMMITTEE ROOM A - BULK CABLE			
WINDY CITY WIRE	WIN7756600A110	**CABLE, 23-4P OAS SOL PVC C6A (BLACK)	8000	\$0.52	\$4,160.00
BELDEN WIRE AND CABLE	BEL1695A0101000	CABLE, BELDEN 1695A, BLACK, REEL	3000	\$0.89	\$2,670.00
				Subtotal	\$225,504.60

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months

\$11,368.53

Device Maintenance

Mfg	Model	Description	Months	Qty	Unit Price	Extended Price
TELEVIC	TEL99060004	SERVICE, 1 YEAR SERVICE LEVEL AGREEMENT (QUOTE REQUIRED)	0	3	\$6,490.91	\$19,472.73
					Subtotal	\$19,472.73

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Equipment Total	\$225,504.60
Installation Materials	\$25,161.45
Professional Services	\$160,876.08
Direct Costs	\$32,024.23
General & Administrative	\$10,164.70
Services - Room Support and Maintenance	\$11,368.53
Services - Device Maintenance	\$19,472.73
Subtotal	\$484,572.32

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Room Summary - Control Room - Committee Room B

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		Control Room B - Audio			
YAMAHA	YAMQL1	DIGITAL MIXER CONSOLE, 16 FADERS + 2 MASTER FADERS 16 ONBOA	1	\$7,459.89	\$7,459.89
YAMAHA	YAMLA1L	Console light, 18" gooseneck, ultra-bright fourplex LED	1	\$77.98	\$77.98
JBL	JBL306PMKII	SPEAKER, 6" TWO-WAY STUDIO MONITOR	2	\$152.85	\$305.70
AKG	AKG2058X00130	HEADPHONES, K240 STUDIO, SEMI-OPEN CIRCUMAUURAL	1	\$60.67	\$60.67
		Control Room B - Video			
SONY PRO B2B	SONFW55BZ30L	LCD, 55" 4K/UHD 440NIT 16LB IPS 1200:1C LED SPK 24/7	2	\$838.07	\$1,676.14
CHIEF	CHIMTM1U	MOUNT, MEDIUM FUSION MICRO-ADJ TILT WALL MOUNT	2	\$129.21	\$258.42
PLANAR SYSTEMS	PLA9979363	LCD, 24" 1080P 250NIT 12LB HELIUM TOUCH (PCT2435)	1	\$286.52	\$286.52
CHIEF	CHIK2C120B	MOUNT, K2 CLMN SINGLE DISPLAY 2L ARM - BLACK	1	\$169.08	\$169.08
DELL COMPUTERS	DELE2723H	LCD, 27" MONITOR 1080P 300NIT 16:9 3000:1 9LB	1	\$215.72	\$215.72
CHIEF	CHIK2C120B	MOUNT, K2 CLMN SINGLE DISPLAY 2L ARM - BLACK	1	\$169.08	\$169.08
EXTRON ELECTRONICS	EXT60127112	EXTENDER, HDMI TWISTED PAIR TRANSMITTER	3	\$320.22	\$960.66
EXTRON ELECTRONICS	EXT60127113	EXTENDER, DTP HDMI 4K 230 - RECEIVER	3	\$320.22	\$960.66
EXTRON ELECTRONICS	EXT60168601	ADAPTER, ACTIVE, DISPLAYPORT FEMALE TO HDMI FEMALE	2	\$264.04	\$528.08
VIZRT	VIZTC1P2RU	TriCaster 1 Pro 2RU	1	\$22,016.49	\$22,016.49
VIZRT	VIZPTUTC1P2RU	ProTek Ultra for TriCaster 1 Pro 2RU	1	\$2,044.15	\$2,044.15
VIZRT	VIZFCP	TriCaster Flex NDI 16 button crosspoint control panel-single	1	\$9,090.96	\$9,090.96
VIZRT	VIZPTUFCP	ProTek Ultra for Flex Control Panel	1	\$852.66	\$852.66
VIZRT	VIZPSP10HOUR	10 HOUR PROFESSIONAL SERVICES PLAN - REMOTE	1	\$2,123.40	\$2,123.40
		Control Room B - Archive/Storage			
DELL COMPUTERS	DELCUSTOM101	INSPIRON DESKTOP TOWER - FOR OBS STUDIO SOFTWARE	1	\$1,573.02	\$1,573.02
OBS	OBSTUDIO001	OBS STUDIO - WINDOWS - FREWARE	1	\$0.00	\$0.00

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Mfg	Model	Description	Qty	Unit Price	Extended Price
B&H	SYN1621P72TQ	SYNOLOGY 72TB DISKSTATION W/6 SEAGATE IRONWOLF NAS DRIVES	1	\$2,629.13	\$2,629.13
		<u>Control Room B - Discussion Mic Queue</u>			
DELL COMPUTERS	DELCUSTOM102	OPTIPLEX SMALL FORM FACTOR PC - FOR QUEUE BROWSER	1	\$819.10	\$819.10
		<u>Control Room B - Live Panel</u>			
DELL COMPUTERS	DELCUSTOM103	OPTIPLEX SMALL FORM FACTOR PC - FOR LIVE PANEL	1	\$819.10	\$819.10
ICRON TECHNOLOGIES CORPOR	ICR2301GELAN	EXTENDER, USB 2.0 RANGER 2301 GE LAN 1-PORT USB 2.0 GIGABIT	1	\$612.54	\$612.54
		<u>Control Room B - KVM / Display System</u>			
ADDER	ADDDDX10US	SWITCH, ADDERVIEW DDX10 MATRIX	1	\$1,176.40	\$1,176.40
ADDER	ADDDDXUSRUS	RECEIVER, ADDERVIEW DDX USER STATION	1	\$391.01	\$391.01
ADDER	ADDDDXCAMDVI	ACCESS MODULE, DDX COMPUTER - DVI-D	2	\$182.02	\$364.04
DELL COMPUTERS	DELE2423HN	LCD, 24" MONITOR 1080P 250NIT 16:9 3000:1 9LB	1	\$117.98	\$117.98
CHIEF	CHIK2C120B	MOUNT, K2 CLMN SINGLE DISPLAY 2L ARM - BLACK	1	\$169.08	\$169.08
		<u>Control Room B - Control Panel</u>			
QSC	QSCTSC101G3	CONTROLLER, 10.1" TOUCH PANEL FOR IN-WALL MOUNT, BLACK	1	\$1,987.48	\$1,987.48
QSC	QSCTSC710TG3	TABLE TOP MOUNTING ACCESSORY FOR TSC-70-G3 / TSC-101W-G3	1	\$285.27	\$285.27
Subtotal					\$60,200.41

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months

\$2,978.97

Equipment Total	\$60,200.41
Installation Materials	\$6,816.58
Professional Services	\$38,846.82
Direct Costs	\$6,709.39
General & Administrative	\$3,141.47
Services - Room Support and Maintenance	\$2,978.97
Subtotal	\$118,693.64

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Room Summary - Committee Room B

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		COMMITTEE ROOM B - VIDEO			
		(OFE) Flat Panel Displays			
OWNER-FURNISHED	OFE101	CEILING-MOUNTED DISPLAY (Owner Furnished Equipment)	6	OFE	OFE
		(OFE) Video Presentation Distribution Equipment			
OWNER-FURNISHED	OFE102	EXTRON DTP SCALING PRESENTATION MATRIX SWITCHER (Owner Furnished Equipment)	1	OFE	OFE
OWNER-FURNISHED	OFE103	EXTRON DTP HD DA8 4K 230 DISTRIBUTION AMPLIFIER (Owner Furnished Equipment)	1	OFE	OFE
OWNER-FURNISHED	OFE104	EXTRON DTP RECEIVER AT CEILING-MOUNTED DISPLAY (Owner Furnished Equipment)	6	OFE	OFE
		HDMI/USB-C Connections (Witness/Chairperson/Support Staff)			
QSC	QSCNV21HU	ENDPOINT, 4K60 4:4:4 NETWORK VIDEO, 1 HDMI 2.0 IN, 1 USB-C	3	\$1,410.67	\$4,232.01
		HDMI Presentation Source Computers to OFE Video Distribution			
QSC	QSCNV21HU	ENDPOINT, 4K60 4:4:4 NETWORK VIDEO, 1 HDMI 2.0 IN, 1 USB-C	1	\$1,410.67	\$1,410.67
		HDMI Presentation Source Computers to NDI			
QSC	QSCNV21HU	ENDPOINT, 4K60 4:4:4 NETWORK VIDEO, 1 HDMI 2.0 IN, 1 USB-C	1	\$1,410.67	\$1,410.67
MAGEWELL	MAG64020	CONVERTER, HD HDMI TO FULL BANDWIDTH NDI ENCODER	1	\$457.30	\$457.30
		PTZ Cameras			
QSC	QSCNC12X80	CAMERA, PTZ NETWORK INCLUDES WALL BRACKET	8	\$2,899.72	\$23,197.76
		SDI to NDI Camera Signal Conversion			
MAGEWELL	MAG64040	CONVERTER, PRO CONVERT SDI PLUS, STANDALONE 1 CHANNEL 3D SDI	8	\$457.30	\$3,658.40
MAGEWELL	MAGPAR10209	1RU RACKMOUNT SHELF - 4.7" DEEP	2	\$0.00	\$0.00
MAGEWELL	MAGACC10013	PRO CONVERT PLUS MOUNTING KIT	8	\$0.00	\$0.00
		Equipment Rack Room Camera Confidence Multiview Display			
DECIMATOR DESIGN	DECDMON12S	**CONVERTER, 12CH 3G/HD/SD MULTIVIEWER W/SDI & HDMI OUT	1	\$1,353.55	\$1,353.55

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Mfg	Model	Description	Qty	Unit Price	Extended Price
DELL COMPUTERS	DELE2423HN	LCD, 24" MONITOR 1080P 250NIT 16:9 3000:1 9LB	1	\$117.98	\$117.98
		COMMITTEE ROOM B - AUDIO			
		(OFE) Ceiling Speakers			
OWNER-FURNISHED	OFE105	12" JBL CEILING SPEAKER (Owner Furnished Equipment)	17	OFE	OFE
OWNER-FURNISHED	OFE106	6" JBL CEILING SPEAKER (Owner Furnished Equipment)	4	OFE	OFE
		Amplifier for OFE Ceiling Speakers			
LEA PROFESSIONAL	LEACONNECT354D	AMPLIFER, 4 CHANNEL, 350 W, 4OHM, 80HM, 70V	1	\$1,906.73	\$1,906.73
		Audio DSP and Control Core			
QSC	QSCCORE610	SYSTEM, NETWORK CORE FOR AV&C PROCESSING ON DELL POWEREDGE	1	\$6,545.53	\$6,545.53
QSC	QSCSLCS15610P	SOFTWARE, Q-SYS CAPACITY SCALING LICENSE, CORE 610TUAL	1	\$3,344.87	\$3,344.87
QSC	QSCSLDAN128P	SOFTWARE LICENSE, Q-SYS DANTE 128x128 CHANNEL, PERPETUAL	1	\$2,178.71	\$2,178.71
QSC	QSCSLQSE610P	SOFTWARE LICENSE, Q-SYS CORE 610 SCRIPTING ENGINE, PERPETUAL	1	\$652.04	\$652.04
QSC	QSCSLQUD610P	SOFTWARE LICENSE, Q-SYS CORE 610 UCI DEPLOYMENT, PERPETUAL	1	\$363.64	\$363.64
QSC	QSCQIOML4I	NETWORK AUDIO EXPANDER, 4 MIC/LINE INPUTS	1	\$492.13	\$492.13
QSC	QSCQIOGP8X8	Q-SYS PERIPHERAL PROVIDING CONTROL EXPANSION W/8 LOGIC IN-PU	1	\$306.74	\$306.74
OWNER-FURNISHED	OFE702	PC COMPUTER FOR UC CODECS - TEAMS/ZOOM (Owner Furnished Equipment)	1	OFE	OFE
QSC	QSCNV21HU	ENDPOINT, 4K60 4:4:4 NETWORK VIDEO, 1 HDMI 2.0 IN, 1 USB-C	1	\$1,410.67	\$1,410.67
QSC	QSCSLQBRP	SOFTWARE LICENSE, Q-SYS AV BRIDGING, PERPETUAL	1	\$451.69	\$451.69
		(OFE) Owner-Furnished RF Assistive Listening System (ALS)			
LISTEN TECHNOLOGIES CORPO	LISLT80007201	STATIONARY FM TRANSMITTER 72MHZ/NORTH AMERICA (NO ANTENNA) (Owner Furnished Equipment)	1	OFE	OFE
OWNER-FURNISHED	OFE107	MISC. LOT - ALS RECEIVERS, EAR SPEAKERS AND NECK LOOPS (Owner Furnished Equipment)	1	OFE	OFE
LISTEN TECHNOLOGIES CORPO	LISLA116	ANTENNA, COAXIAL DIPOLE (72MHZ)	1	\$144.94	\$144.94
		(OFE) Wireless Microphone Systems			
SHURE	SHUULXD4J50	**SINGLE DIGITAL WIRELESS RECEIVER W/PS41US	2	OFE	OFE

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Mfg	Model	Description	Qty	Unit Price	Extended Price
		PWR SUP, 1/2 WAV (Owner Furnished Equipment)			
SHURE	SHUULXD2SM58G50	SYSTEM, WIRELESS W/ULXD2 HANDHELD SM58 MIC (Owner Furnished Equipment)	2	OFE	OFE
SHURE	SHUUA844SWB	ANTENNA & POWER DISTRIBUTION SYSTEM	1	\$458.99	\$458.99
		Discussion Microphone System			
TELEVIC	TEL71982904	AUDIO ENGINE, 19" RACK-MOUNTABLE PLIXUS, W/RECORDING + DANTE	1	\$4,546.07	\$4,546.07
TELEVIC	TEL71982911	EXTENDER, PLIXUS NETWORK	3	\$1,400.00	\$4,200.00
TELEVIC	TEL71982915	POWER SUPPLY, PLIXUS NEXT	3	\$320.22	\$960.66
TELEVIC	TEL71980131	CONF UNIT, CONFIDEA FLEX TABLETOP CONFIGURABLE TOUCH	33	\$825.84	\$27,252.72
TELEVIC	TEL71980057	MICROPHONE, GSM IMMUNE GOOSENECK OF 70 CM W/SCREWLOCK	33	\$173.03	\$5,709.99
TELEVIC	TEL71981402	SOFTWARE, LICENSE TO ACTIVATE BADGE IDENTIFICATION ON CONFID	33	\$82.58	\$2,725.14
TELEVIC	TEL71983000	SOFTWARE, CONFERO 360 UNLOCK BROWSER INTERFACE LICENSE	1	\$2,717.42	\$2,717.42
TELEVIC	TEL71432002	RFID BADGE READER/WRITER	1	\$656.74	\$656.74
TELEVIC	TEL71432001	RFID BADGE BLANK	100	\$7.87	\$787.00
TELEVIC	TEL99060003	99.06.0003-TTC Onsite	1	\$3,932.58	\$3,932.58
TELEVIC	TEL990600031	99.06.0003-1 TTC Onsite 2nd Day	1	\$2,247.19	\$2,247.19
TELEVIC	TEL99060012	SERVICES, 1 HOUR ONLINE PROJECT REVIEW (QUOTE REQ)	1	\$0.00	\$0.00
OWNER-FURNISHED	OFE802	STORAGE CABINET W/LOCK FOR RFID CARDS (Owner Furnished Equipment)	1	OFE	OFE
		Room Microphones			
SENNHEISER ELECTRONICS	SENTEAMCONNECTCEILING2	MICROPHONE, TEAMCONNECT CEILING 2, NO BRACKETS	2	\$3,366.40	\$6,732.80
SENNHEISER ELECTRONICS	SENTCCMSK	MOUNT, CEILING MIC SUSPENSION KIT	2	\$46.52	\$93.04
		Audio Press Wall Panels (Qty 2, 8-Line Out Panels)			
AUDINATE	AUDADPDAOAU0X1	ADAPTER, DANTE AVIO ANALOG OUTPUT W/RJ45 & XLR MALE, 1 CH	1	\$151.69	\$151.69
RADIO DESIGN LABS	RDLRUADA8D	DISTRIBUTION AMPLIFIER, BALANCED/UNBALANCED 2X8, 1X16	1	\$461.27	\$461.27
RADIO DESIGN LABS	RDLPS24AS	POWER SUPPLY, NORTH AMERICA 24 VDC @ 500MA	1	\$27.69	\$27.69
ACE BACKSTAGE	ACEWP308	3-GANG PANEL W/8 NEUTRIK CONNECTOR POSITIONS	2	\$13.17	\$26.34
ACE BACKSTAGE	ACECQTABWH	WHITE COLOR TAB WITH CUSTOM CHARACTERS	16	\$5.62	\$89.92

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Mfg	Model	Description	Qty	Unit Price	Extended Price
ACE BACKSTAGE	ACEC15120	CONNECTOR, NC3MDL-1-B W/GOLD CONTACTS	16	\$6.44	\$103.04
WINDY CITY WIRE	WIN2202SPBLK	CABLE, 22-02 OAS STR CMP BLK JKT BR (MUST ORDER QTY 500)	1500	\$0.17	\$255.00
		COMMITTEE ROOM B - DISCUSSION MIC QUEUE MANAGEMENT			
DELL COMPUTERS	DELCUSTOM301	OPTIPLEX SMALL FORM FACTOR PC - FOR QUEUE BROWSER	1	\$819.10	\$819.10
DELL COMPUTERS	DELE2423HN	LCD, 24" MONITOR 1080P 250NIT 16:9 3000:1 9LB	1	\$117.98	\$117.98
		COMMITTEE ROOM B - SYSTEM CONTROL			
QSC	QSCTSC101G3	CONTROLLER, 10.1" TOUCH PANEL FOR IN-WALL MOUNT, BLACK	2	\$1,987.48	\$3,974.96
QSC	QSCTSC710TG3	TABLE TOP MOUNTING ACCESSORY FOR TSC-70-G3 / TSC-101W-G3	2	\$285.27	\$570.54
		COMMITTEE ROOM B - EQUIPMENT RACKS			
OWNER-FURNISHED	OFE108	(OFE) 1 LOT - EQUIPMENT RACKS & RACK ACCESSORIES (Owner Furnished Equipment)	1	OFE	OFE
		COMMITTEE ROOM B - BULK CABLE			
BELDEN WIRE AND CABLE	BEL1695A010Z1000	CABLE, BELDEN 1695A, BLACK, 1000' REEL	2000	\$0.89	\$1,780.00
WINDY CITY WIRE	WIN7756600A110	**CABLE, 23-4P OAS SOL PVC C6A (BLACK)	4000	\$0.52	\$2,080.00
		COMMITTEE ROOM B - SIDE OFFICES (2)			
QSC	QSCSPAQF60X2	AMPLIFIER, 2-CH 60W/CH Q-SYS NETWORK AUDIO, LO-Z, FLEXIO	1	\$890.29	\$890.29
ATTECO TECH	ATTC1	CONTROLLER, IP, SINGLE GANG, POE, WHT & BLK FACEPLAES	2	\$519.10	\$1,038.20
OWNER-FURNISHED	OFE109	6" JBL CEILING SPEAKER (Owner Furnished Equipment)	2	OFE	OFE
Subtotal					\$129,042.39

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months

\$6,535.97

Device Maintenance

Mfg	Model	Description	Months	Qty	Unit Price	Extended Price
TELEVIC	TEL99060004	SERVICE, 1 YEAR SERVICE LEVEL AGREEMENT (QUOTE REQUIRED)	0	3	\$2,505.68	\$7,517.04
Subtotal						\$7,517.04

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Equipment Total	\$129,042.39
Installation Materials	\$14,465.91
Professional Services	\$128,782.65
Direct Costs	\$22,978.86
General & Administrative	\$6,412.76
Services - Room Support and Maintenance	\$6,535.97
Services - Device Maintenance	\$7,517.04
Subtotal	\$315,735.58

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Room Summary - Committee Rooms - Lobby

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		Lobby - Committee Rooms A & B			
QSC	QSCTSC70G3	CONTROLLER, 7" Q-SYS POE TOUCHSCREEN, IN-WALL MOUNTING	1	\$1,284.27	\$1,284.27
OWNER-FURNISHED	OFE001	PC COMPUTER RUNNING DIGITAL SIGNAGE/WEBSITE (Owner Furnished Equipment)	1	OFE	OFE
ATLAS/SOUNDOLIER	ATLFAP63TWER	SPEAKER, 6.5" COAXIAL W/70.7/100V-32W *ORDER IN PAIRS	12	\$119.07	\$1,428.84
LEA PROFESSIONAL	LEACONNECT84D	**AMPLIFIER, 4 CHANNEL x 80 W 4O/8OHM, 70V	1	\$1,661.79	\$1,661.79
OWNER-FURNISHED	OFE002	DISPLAYS AT COMMITTEE RM A ENTRANCE (Owner Furnished Equipment)	2	OFE	OFE
CHIEF	CHIMCM1U	MOUNT, SINGLE CEILING MOUNT MEDIUM BLACK	2	\$226.72	\$453.44
CHIEF	CHICMA100	CEILING PLATE WITH ADJUSTABLE EXTENSION COLUMN, BLACK	2	\$95.51	\$191.02
OWNER-FURNISHED	OFE003	DISPLAYS & MOUNTS AT COMMITTEE RM B ENTRANCE (Owner Furnished Equipment)	2	OFE	OFE
AVPRO EDGE	AVPACMX44HDBT	MATRIX SWITCH, 18GBPS 4X4 HDBASET W/ ICT, HDMI, IR ROUTING	1	\$2,240.51	\$2,240.51
AVPRO EDGE	AVPACEX70444RNE	RECEIVER, HDBASET REC ONLY, ICT 18G, 70M 4K SLIM EXTENDER	4	\$329.83	\$1,319.32
MAGEWELL	MAG64100	CONVERTER, STANDALONE BOX FOR FULL NDI STREAM INTO HDMI	2	\$358.43	\$716.86
MIDDLE ATLANTIC	MIDBRK8	RACK, 8 SPACE (14"), 18" DEEP BLACK	1	\$135.00	\$135.00
MIDDLE ATLANTIC	MIDU1V	RACKSHELF, 1 SPACE (1 3/4")	1	\$38.18	\$38.18
MIDDLE ATLANTIC	MIDPD915R	POWER STRIP, 9 OUTLET, SINGLE 15 AMP CIRCUIT	1	\$111.24	\$111.24
MIDDLE ATLANTIC	MIDEB1	1 SP (1 3/4") FLANGED ECONO-BLANK, BLACK POWDER	4	\$7.84	\$31.36
		Lobby - Bulk Cable			
WINDY CITY WIRE	WIN7756600A110	**CABLE, 23-4P OAS SOL PVC C6A (BLACK)	2000	\$0.52	\$1,040.00
WINDY CITY WIRE	WIN1802PWHT	CABLE, 18-02 UNSHIELDED STR CMP, WHITE JK BR	1000	\$0.24	\$240.00
				Subtotal	\$10,891.83

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months

\$538.97

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Equipment Total	\$10,891.83
Installation Materials	\$1,191.94
Professional Services	\$31,961.53
Direct Costs	\$3,647.09
General & Administrative	\$748.30
Services - Room Support and Maintenance	\$538.97
Subtotal	\$48,979.66

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Room Summary - Members/Staff Areas

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		ALC Chair's Office			
OWNER-FURNISHED	OFE001	6" CEILING SPEAKER (Owner Furnished Equipment)	1	OFE	OFE
ATTERO TECH	ATTC1	CONTROLLER, IP, SINGLE GANG, POE, WHT & BLK FACEPLAES	1	\$519.10	\$519.10
SONY PRO B2B	SONFW43EZ20L	LCD, 43" 4K/UHD 350NIT 10LB 1200:1 CONT WiFi RS232 CONT 16/7	1	\$474.75	\$474.75
CHIEF	CHIMTM1U	MOUNT, MEDIUM FUSION MICRO-ADJ TILT WALL MOUNT	1	\$129.21	\$129.21
BIRDDOG	BIRBDPLAY	DECODER, 4K NDI AND NDI HX2	1	\$134.83	\$134.83
		Office 2			
OWNER-FURNISHED	OFE002	6" CEILING SPEAKER (Owner Furnished Equipment)	1	OFE	OFE
ATTERO TECH	ATTC1	CONTROLLER, IP, SINGLE GANG, POE, WHT & BLK FACEPLAES	1	\$519.10	\$519.10
		Office 3			
OWNER-FURNISHED	OFE003	6" CEILING SPEAKER (Owner Furnished Equipment)	1	OFE	OFE
ATTERO TECH	ATTC1	CONTROLLER, IP, SINGLE GANG, POE, WHT & BLK FACEPLAES	1	\$519.10	\$519.10
		Coffee Room			
OWNER-FURNISHED	OFE004	6" CEILING SPEAKER (Owner Furnished Equipment)	1	OFE	OFE
ATTERO TECH	ATTC1	CONTROLLER, IP, SINGLE GANG, POE, WHT & BLK FACEPLAES	1	\$519.10	\$519.10
		Members Lounge			
OWNER-FURNISHED	OFE005	6" CEILING SPEAKER (Owner Furnished Equipment)	4	OFE	OFE
ATTERO TECH	ATTC1	CONTROLLER, IP, SINGLE GANG, POE, WHT & BLK FACEPLAES	1	\$519.10	\$519.10
SONY PRO B2B	SONFW55EZ20L	LCD, 55" 4K/UHD 350NIT 16LB 1200:1 CONT WiFi RS232 CONT 16/7	1	\$695.35	\$695.35
CHIEF	CHIMTM1U	MOUNT, MEDIUM FUSION MICRO-ADJ TILT WALL MOUNT	1	\$129.21	\$129.21
BIRDDOG	BIRBDPLAY	DECODER, 4K NDI AND NDI HX2	1	\$134.83	\$134.83
		Members Hallway - Behind Committee Room A			
OWNER-FURNISHED	OFE006	6" CEILING SPEAKER (Owner Furnished Equipment)	3	OFE	OFE

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Mfg	Model	Description	Qty	Unit Price	Extended Price
ATTERO TECH	ATTC1	CONTROLLER, IP, SINGLE GANG, POE, WHT & BLK FACEPLAES	1	\$519.10	\$519.10
		Members Hallway & Bathrooms - Behind Comittee Room B			
OWNER-FURNISHED	OFE007	6" CEILING SPEAKER (Owner Furnished Equipment)	5	OFE	OFE
ATTERO TECH	ATTC1	CONTROLLER, IP, SINGLE GANG, POE, WHT & BLK FACEPLAES	1	\$519.10	\$519.10
		Amplifier - Members Areas - Committee Room A - Rack Room			
LEA PROFESSIONAL	LEACONNECT88D	AMPLIFIER, 8 CHANNEL x 80 W 40/80HM, 70V PER CH CLASS D, DS	1	\$2,165.16	\$2,165.16
		Bulk Cable - Members Areas			
WINDY CITY WIRE	WIN7756600A110	**CABLE, 23-4P OAS SOL PVC C6A (BLACK)	1000	\$0.52	\$520.00
				Subtotal	\$8,017.04

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months

\$396.72

Equipment Total	\$8,017.04
Installation Materials	\$877.83
Professional Services	\$27,894.88
Direct Costs	\$3,343.34
General & Administrative	\$586.93
Services - Room Support and Maintenance	\$396.72
Subtotal	\$41,116.74

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Room Summary - 4th Floor - Representative Offices

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		4th Floor - One Capitol Mall - Audio Control Feed			
ATTERO TECH	ATTC1	CONTROLLER, IP, SINGLE GANG, POE, WHT & BLK FACEPLAES	63	\$519.10	\$32,703.30
LEA PROFESSIONAL	LEACONNECT88D	AMPLIFER, 8 CHANNEL x 80 W 4O/8OHM, 70V PER CH CLASS D, DS	8	\$2,165.16	\$17,321.28
		4th Floor - Office Speaker (1 per Office @ 16W)			
ATLAS/SOUNDOLIER	ATLFAP63TW	SPEAKER, 6.5" COAXIAL W/70.7/100V-32W *ORDER IN PAIRS	61	\$119.07	\$7,263.27
		4th Floor - Common Area Speakers (Max of 12 Speakers @ 16W)			
ATLAS/SOUNDOLIER	ATLFAP63TW	SPEAKER, 6.5" COAXIAL W/70.7/100V-32W *ORDER IN PAIRS	12	\$119.07	\$1,428.84
		4th Floor - Bulk Cable			
WINDY CITY WIRE	WIN7756600A110	**CABLE, 23-4P OAS SOL PVC C6A (BLACK)	10000	\$0.52	\$5,200.00
WINDY CITY WIRE	WIN1802PWHT	CABLE, 18-02 UNSHIELDED STR CMP, WHITE JK BR	10000	\$0.24	\$2,400.00
		5th Floor MDF to 4th Floor IDF - Single Mode Fiber Optic Cab			
OWNER-FURNISHED	OFE401	PULLED SM FIBER, TERMINATED & TESTED BEFORE PROJECT STARTS (Owner Furnished Equipment)	1	OFE	OFE
		4th Floor IDF Closet - (OFE) Equipment Rack			
OWNER-FURNISHED	OFE402	OFE IDF CLOSET EQUIPMENT RACK (Owner Furnished Equipment)	1	OFE	OFE
		4th Floor IDF CAT6A shielded cable for NDI Stream Delivery			
OWNER-FURNISHED	OFE403	OFE CAT6A SHIELED CABLE FROM IDF RACK TO (63) OFE DISPLAYS (Owner Furnished Equipment)	63	OFE	OFE
		4th Floor - OFE Office Displays and Mounts			
SONY PRO B2B	SONFW43EZ20L	LCD, 43" 4K/UHD 350NIT 10LB 1200:1 CONT WiFi RS232 CONT 16/7 (Owner Furnished Equipment)	63	OFE	OFE
CHIEF	CHIMTM1U	MOUNT, MEDIUM FUSION MICRO-ADJ TILT WALL MOUNT (Owner Furnished Equipment)	63	OFE	OFE
		4th Floor - OFE NDI Decoders			
BIRDDOG	BIRBDPLAY	DECODER, 4K NDI AND NDI HX2 (Owner Furnished Equipment)	63	OFE	OFE
Subtotal					\$66,316.69

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Room Support and Maintenance

Elite Maintenance Services - Room; 12-months **\$5,630.60**

Equipment Total	\$66,316.69
Installation Materials	\$12,456.06
Professional Services	\$88,472.82
Direct Costs	\$16,590.93
General & Administrative	\$3,319.58
Services - Room Support and Maintenance	\$5,630.60
Subtotal	\$192,786.68

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Room Summary - Members Hall Conference Room A - Small

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		Conference Room A - Equipment			
OWNER-FURNISHED	OFE001	6" CEILING SPEAKER (Owner Furnished Equipment)	2	OFE	OFE
QSC	QSCSPAQF60X2	AMPLIFIER, 2-CH 60W/CH Q-SYS NETWORK AUDIO, LO-Z, FLEXIO	1	\$890.29	\$890.29
QSC	QSCNMT1BK	MICROPHONE, TABLETOP NETWORK, WITH RGB LIGHT RING	2	\$727.28	\$1,454.56
QSC	QSCCORENANO	NETWORK CORE, 64x64 NETWORK I/O CHANNELS W/8x/SWFTWR DANTE L	1	\$1,373.06	\$1,373.06
QSC	QSCSLQSE8NP	SOFTWARE LICENSE, Q-SYS CORE 8 FLEX, CORE NANO, NV-32-H	1	\$146.71	\$146.71
QSC	QSCSLQU8NP	SOFTWARE LICENSE, Q-SYS CORE 8 FLEX, CORE NANO, NV-32-H	1	\$72.73	\$72.73
QSC	QSCNV32H	ENDPOINT, 4k60 4:4:4 CORE CAPABLE NETWORK VIDEO	1	\$2,614.45	\$2,614.45
QSC	QSCNV21HU	ENDPOINT, 4K60 4:4:4 NETWORK VIDEO, 1 HDMI 2.0 IN, 1 USB-C	1	\$1,410.67	\$1,410.67
QSC	QSCNC12X80	CAMERA, PTZ NETWORK INCLUDES WALL BRACKET	1	\$2,899.72	\$2,899.72
QSC	QSCTSC70G3	CONTROLLER, 7" Q-SYS POE TOUCHSCREEN, IN-WALL MOUNTING	1	\$1,194.37	\$1,194.37
QSC	QSCTSC710TG3	TABLE TOP MOUNTING ACCESSORY FOR TSC-70-G3 / TSC-101W-G3	1	\$285.27	\$285.27
MAGEWELL	MAG64100	CONVERTER, STANDALONE BOX FOR FULL NDI STREAM INTO HDMI	2	\$358.43	\$716.86
SHARP	SHA4WB65FT5U	65" AQUOS BOARD INTERACTIVE DISPLAY	1	\$1,414.61	\$1,414.61
CHIEF	CHILSM1U	MOUNT, FUSION MICRO-ADJ FIXED WALL MOUNT, LARGE	1	\$142.70	\$142.70
WINDY CITY WIRE	WIN7756600A110	**CABLE, 23-4P OAS SOL PVC C6A (BLACK)	1000	\$0.52	\$520.00
WINDY CITY WIRE	WIN1802PWHT	CABLE, 18-02 UNSHIELDED STR CMP, WHITE JK BR	500	\$0.24	\$120.00
		Conference Room A - Tabletop AV Connection Box			
COMPREHENSIVE VIDEO	COMWPDHDU3CAW	WALLPLATE, SINGLE GANG, HDMI AND USBC 3.0 PASS THRU	1	\$41.67	\$41.67
ALTINEX	ALTCNK210	TABLE BOX, ITERA/DECORA STYLE MOUNTING, BLACK	1	\$569.22	\$569.22
		Conference Room A - Floor Cores for AC Power and AV			
FSR	FSR17346	SmartFit 6" Poke Through 4 AC, 3 Sub-Plates-2D2S, 5IPS, 3AAP	1	\$648.03	\$648.03

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Mfg	Model	Description	Qty	Unit Price	Extended Price
FSR	FSR17349	SmartFit 6" Poke Through Furniture Feed	1	\$581.46	\$581.46
		Conference Room A - OFE Laptop for Zoom/Teams BYOD Calls			
OWNER-FURNISHED	OFE901	OFE LAPTOP FOR TEAMS/ZOOM BYOD CALLS (Owner Furnished Equipment)	1	OFE	OFE
Subtotal					\$17,096.38

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months

\$846.00

Equipment Total	\$17,096.38
Installation Materials	\$1,872.14
Professional Services	\$36,234.53
Direct Costs	\$2,853.73
General & Administrative	\$920.24
Services - Room Support and Maintenance	\$846.00
Subtotal	\$59,823.02

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Room Summary - Members Hall Conference Room B - Large

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		Conference Room B - Equipment			
ATLAS/SOUNDOLIER	ATLFAP63TW	SPEAKER, 6.5" COAXIAL W/70.7/100V-32W *ORDER IN PAIRS	4	\$119.07	\$476.28
QSC	QSCSPAQF60X2	AMPLIFIER, 2-CH 60W/CH Q-SYS NETWORK AUDIO, LO-Z, FLEXIO	1	\$890.29	\$890.29
QSC	QSCNMT1BK	MICROPHONE, TABLETOP NETWORK, WITH RGB LIGHT RING	3	\$727.28	\$2,181.84
QSC	QSCCORENANO	NETWORK CORE, 64x64 NETWORK I/O CHANNELS W/8x/SWFTWR DANTE L	1	\$1,373.06	\$1,373.06
QSC	QSCSLQSE8NP	SOFTWARE LICENSE, Q-SYS CORE 8 FLEX, CORE NANO, NV-32-H	1	\$146.71	\$146.71
QSC	QSCSLQUD8NP	SOFTWARE LICENSE, Q-SYS CORE 8 FLEX, CORE NANO, NV-32-H	1	\$72.73	\$72.73
QSC	QSCNV32H	ENDPOINT, 4k60 4:4:4 CORE CAPABLE NETWORK VIDEO	1	\$2,614.45	\$2,614.45
QSC	QSCNV21HU	ENDPOINT, 4K60 4:4:4 NETWORK VIDEO, 1 HDMI 2.0 IN, 1 USB-C	1	\$1,410.67	\$1,410.67
QSC	QSCNC12X80	CAMERA, PTZ NETWORK INCLUDES WALL BRACKET	1	\$2,899.72	\$2,899.72
QSC	QSCTSC70G3	CONTROLLER, 7" Q-SYS POE TOUCHSCREEN, IN- WALL MOUNTING	1	\$1,194.37	\$1,194.37
QSC	QSCTSC710TG3	TABLE TOP MOUNTING ACCESSORY FOR TSC-70- G3 / TSC-101W-G3	1	\$285.27	\$285.27
MAGEWELL	MAG64100	CONVERTER, STANDALONE BOX FOR FULL NDI STREAM INTO HDMI	2	\$358.43	\$716.86
SHARP	SHA4WB75FT5U	75" AQUOS BOARD INTERACTIVE DISPLAY	1	\$2,217.98	\$2,217.98
CHIEF	CHILSM1U	MOUNT, FUSION MICRO-ADJ FIXED WALL MOUNT, LARGE	1	\$142.70	\$142.70
WINDY CITY WIRE	WIN7756600A110	**CABLE, 23-4P OAS SOL PVC C6A (BLACK)	1000	\$0.52	\$520.00
WINDY CITY WIRE	WIN1802PWHT	CABLE, 18-02 UNSHIELDED STR CMP, WHITE JK BR	500	\$0.24	\$120.00
		Switch for Conference Room A & B - In Committee Room A Racks			
NETGEAR	NETGSM4230PX100NAS	SWITCH, M4250 26G4XF POE PLUS MNGD SW	1	\$1,539.93	\$1,539.93
NETGEAR	NETAXM76210000S	MODULE, 10GE LR SFP+	2	\$680.82	\$1,361.64
		Conference Room B - OFE Table Box W/USB-C & HDMI Inserts			
OWNER-FURNISHED	OFE601	TABLETOP BOX - ALREADY MOUNTED IN THE TABLE (Owner Furnished Equipment)	1	OFE	OFE

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Mfg	Model	Description	Qty	Unit Price	Extended Price
CONNECTRONICS	CONUSBCUSBCKM	CONNECTOR, 3.1 USB-C FEMALE TO USB-C FEMALE FEEDTHRU BARREL	1	\$5.56	\$5.56
CABLES TO GO	CAB03345	JACK, HDMI KEYSTONE, WHITE	1	\$13.18	\$13.18
		Conference Room B - OFE Laptop for Zoom/Teams BYOD Calls			
OWNER-FURNISHED	OFE902	(OFE) LAPTOP FOR ZOOM/TEAMS BYOD CALLS (Owner Furnished Equipment)	1	OFE	OFE
Subtotal					\$20,183.24

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months **\$998.75**

Equipment Total	\$20,183.24
Installation Materials	\$2,210.28
Professional Services	\$29,240.88
Direct Costs	\$3,101.30
General & Administrative	\$980.60
Services - Room Support and Maintenance	\$998.75
Subtotal	\$56,715.05

For informational purposes only – all Purchase Orders must match Investment Summary details.

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Room Summary - Network & Structured Cabling - AV NET

Equipment List

Mfg	Model	Description	Qty	Unit Price	Extended Price
		Network Switches - Control/NDI/Dante Primary			
NETGEAR	NETGSM4352100NES	SWITCH, 48-PORT GB POE+, 52PT M4350-48G4XF, MANAGED AV IP	5	\$3,117.92	\$15,589.60
NETGEAR	NETGSM4328100NES	SWITCH, 24x1G PoE+ MANAGED W/4x10GBASE-X SFP+	2	\$2,173.09	\$4,346.18
NETGEAR	NETAXM76210000S	MODULE, 10GE LR SFP+	12	\$680.82	\$8,169.84
		Network Switches - Dante Secondary			
NETGEAR	NETGSM4328100NES	SWITCH, 24x1G PoE+ MANAGED W/4x10GBASE-X SFP+	4	\$2,173.09	\$8,692.36
NETGEAR	NETAXM76210000S	MODULE, 10GE LR SFP+	6	\$680.82	\$4,084.92
		Fiber Optic Enclosures			
BELDEN WIRE AND CABLE	BELECX01U	PATCH PANEL HOUSING, 1U FX ECX HD EMPTY (BLACK)	5	\$205.27	\$1,026.35
BELDEN WIRE AND CABLE	BELFFSX12LD	FX ECX STRIP OS2 12P	5	\$99.10	\$495.50
		CAT6A Shielded Patch Panels			
TRIPPLITE	TRIN2520246ASH	PATCH PANEL, 24-PORT SHIELDED, 10 GBPS STP 110 PUNCH DOWN 1U	9	\$205.69	\$1,851.21
		CAT6A Shielded Patch Panels - Televic Discussion Mic System			
TRIPPLITE	TRIN2520246ASH	PATCH PANEL, 24-PORT SHIELDED, 10 GBPS STP 110 PUNCH DOWN 1U	2	\$205.69	\$411.38
		Single Mode 12-Ch LC Tactical Fiber Cable - 6 Duplex Pairs			
CAMPLEX	CAMHFTS12LC0250	12-Channel LC-Single Mode Fiber Optic Tactical Cable - 250'	3	\$1,036.55	\$3,109.65
		Network Switches - BLR MAC Internet Connectivity Network			
NETGEAR	NETGSM4328100NES	SWITCH, 24x1G PoE+ MANAGED W/4x10GBASE-X SFP+	4	\$2,173.09	\$8,692.36
NETGEAR	NETAXM76210000S	MODULE, 10GE LR SFP+	6	\$680.82	\$4,084.92
		Single Mode 12-Ch LC Tactical Fiber Cable-- Internet			
CAMPLEX	CAMHFTS12LC0250	12-Channel LC-Single Mode Fiber Optic Tactical Cable - 250'	3	\$1,036.55	\$3,109.65
		Fiber Optic Enclosures - Patch Panels - Internet			
BELDEN WIRE AND CABLE	BELFFSX12LD	FX ECX STRIP OS2 12P	4	\$99.10	\$396.40
		CAT6A Shielded Patch Panels - Internet Connectivity			

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Mfg	Model	Description	Qty	Unit Price	Extended Price
TRIPPLITE	TRIN2520246ASH	PATCH PANEL, 24-PORT SHIELDED, 10 GBPS STP 110 PUNCH DOWN 1U	4	\$205.69	\$822.76
		<u>CAT6A Shielded - Bulk Cable</u>			
WINDY CITY WIRE	WIN7756600A110	**CABLE, 23-4P OAS SOL PVC C6A (BLACK)	5000	\$0.52	\$2,600.00
Subtotal					\$67,483.08

Room Support and Maintenance

Elite Maintenance Services - Room; 12-months

\$3,339.34

Equipment Total	\$67,483.08
Installation Materials	\$7,390.26
Professional Services	\$129,922.65
Direct Costs	\$23,447.54
General & Administrative	\$3,648.90
Services - Room Support and Maintenance	\$3,339.34
Subtotal	\$235,231.77

For informational purposes only – all Purchase Orders must match Investment Summary details.

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Attachment A

**ATTACHMENT A
OFFICIAL PROPOSAL PRICE SHEET**

1. Bids should provide at least a 180-day acceptance period.
2. By submission of a proposal, the proposer certifies the following:
 - A. Prices in this proposal have been arrived at independently, without consultation, communication, or agreement for the purpose of restricting competition;
 - B. No attempt has been made nor will be by the proposer to induce any other person or firm to submit a proposal for the purpose of restricting competition;
 - C. The person signing this proposal is authorized to represent the company and is legally responsible for the decision as to the price and supporting documentation provided as a result of this RFP; and
 - D. Prices in this proposal have not been knowingly disclosed by the proposer and will not be prior to award to any other proposer.

The Official Price Proposal Sheet must be submitted in substantially the following form, allowing for the inclusion of specific information regarding positions, goods, services, etc., and signed by an official authorized to bind the Vendor to a resultant contract.

Vendors may attach a more detailed listing of equipment and personnel costs to this OPPS, but shall still sign and include the OPPS with the submitted proposal.

DESCRIPTION	PRICE PER HOUR	NUMBER OF POSITIONS
Supervisor	\$95	1
Project Manager	\$110	1
Project Engineer	\$115	1
Installation Technician	\$72	8
Commissioning Specialist	\$95	2
CAD Technician	\$66	1
Project Coordinator	\$75	1
DESCRIPTION	PRICE PER UNIT (IF APPLICABLE)	TOTAL PRICE
Subcontractors (if any)	Fixed	\$4,805.79
Travel	Fixed	\$81,691.72
Any Additional Goods & Services (List Individually)	N/A	
TOTAL MAXIMUM AMOUNT OF BID:		\$1,852,949.9 5 ⁵ <i>CDL</i>

[Handwritten Signature]
Signature, Title *Regional General Manager*

March 20, 2023

Date

Proposal Signature Page

PROPOSAL SIGNATURE PAGE

Type or Print the following information:

Prospective Contractor Contact Information

Contact Person: Greg Maniss Title: Regional Sales Director
Phone: (913) 543-7219 Alternate Phone: (918) 521-5131
Email: Greg.Maniss@avispl.com

Confirmation of Redacted Copy

- YES, a redacted copy of proposal documents is enclosed.
- NO, a redacted copy of submission documents is not enclosed. I understand a full copy of non-redacted submission documents will be released if requested.

Note: If a redacted copy of the proposal documents is not provided with the Vendor's proposal, and neither box is checked a copy of the unredacted documents will be released in response to any request made under the Arkansas Freedom of Information Act (FOIA).

Illegal Immigrant Confirmation

By signing and submitting a response to this RFP and by certifying online at <https://www.ark.org/dfa/immigrant/index.php/disclosure/submit/new>, the Vendor agrees and certifies that they do not employ or contract with illegal immigrants. If selected, the Vendor certifies that they will not employ or contract with illegal immigrants during the aggregate term of the contract.

Israel Boycott Restriction Confirmation

By checking the box below, the Vendor agrees and certifies that they do not boycott Israel, and if selected, will not boycott Israel during the aggregate term of the contract.

- Vendor does not and will not boycott Israel.

Energy, Fossil Fuel, Firearms, and Ammunition Industries Boycott Restriction Confirmation

By checking the box below, the Vendor agrees and certifies that they do not boycott energy, fossil fuel, firearms, or ammunition industries, and if selected, will not boycott energy, fossil fuel, firearms, or ammunition industries during the aggregate term of the contract.

- Vendor does not and will not boycott energy, fossil fuel, firearms, or ammunition industries.

An official authorized to bind the Vendor to a resultant contract shall sign below.

The Signature below signifies agreement that any exception that conflicts with the requirements of this RFP will cause the Vendor's proposal to be disqualified.

Authorized Signature:  Title: Regional General Manager

Printed/Typed Name: Christopher Laing Date: March 20, 2024

CONTRACT AND GRANT DISCLOSURE AND CERTIFICATION FORM

Failure to complete all of the following information may result in a delay in obtaining a contract, lease, purchase agreement, or grant award with any Arkansas State Agency.

SUBCONTRACTOR: _____ SUBCONTRACTOR NAME: _____

Yes No

TAXPAYER ID NAME: AVI-SPL LLC IS THIS FOR:
 Goods? Services? Both?

YOUR LAST NAME: Benjamin FIRST NAME: Steve M.I.:

ADDRESS: 6301 Benjamin Road, Suite 101

CITY: Tampa STATE: FL ZIP CODE: 33634-5115 COUNTRY: US

AS A CONDITION OF OBTAINING, EXTENDING, AMENDING, OR RENEWING A CONTRACT, LEASE, PURCHASE AGREEMENT, OR GRANT AWARD WITH ANY ARKANSAS STATE AGENCY, THE FOLLOWING INFORMATION MUST BE DISCLOSED:

FOR INDIVIDUALS *

Indicate below if: you, your spouse or the brother, sister, parent, or child of you or your spouse is a current or former: member of the General Assembly, Constitutional Officer, State Board or Commission Member, or State Employee:

Position Held	Mark (√)		Name of Position of Job Held <small>[senator, representative, name of board/ commission, data entry, etc.]</small>	For How Long?		What is the person(s) name and how are they related to you? <small>[i.e., Jane Q. Public, spouse, John Q. Public, Jr., child, etc.]</small>	
	Current	Former		From MM/YY	To MM/YY	Person's Name(s)	Relation
General Assembly							
Constitutional Officer							
State Board or Commission Member							
State Employee							

None of the above applies

FOR AN ENTITY (BUSINESS) *

Indicate below if any of the following persons, current or former, hold any position of control or hold any ownership interest of 10% or greater in the entity: member of the General Assembly, Constitutional Officer, State Board or Commission Member, State Employee, or the spouse, brother, sister, parent, or child of a member of the General Assembly, Constitutional Officer, State Board or Commission Member, or State Employee. Position of control means the power to direct the purchasing policies or influence the management of the entity.

Position Held	Mark (√)		Name of Position of Job Held <small>[senator, representative, name of board/commission, data entry, etc.]</small>	For How Long?		What is the person(s) name and what is his/her % of ownership interest and/or what is his/her position of control?		
	Current	Former		From MM/YY	To MM/YY	Person's Name(s)	Ownership Interest (%)	Position of Control
General Assembly								
Constitutional Officer								
State Board or Commission Member								
State Employee								

None of the above applies

Contract and Grant Disclosure and Certification Form

Failure to make any disclosure required by Governor's Executive Order 98-04, or any violation of any rule, regulation, or policy adopted pursuant to that Order, shall be a material breach of the terms of this contract. Any contractor, whether an individual or entity, who fails to make the required disclosure or who violates any rule, regulation, or policy shall be subject to all legal remedies available to the agency.

As an additional condition of obtaining, extending, amending, or renewing a contract with a state agency I agree as follows:

1. Prior to entering into any agreement with any subcontractor, prior or subsequent to the contract date, I will require the subcontractor to complete a **CONTRACT AND GRANT DISCLOSURE AND CERTIFICATION FORM**. Subcontractor shall mean any person or entity with whom I enter an agreement whereby I assign or otherwise delegate to the person or entity, for consideration, all, or any part, of the performance required of me under the terms of my contract with the state agency.

2. I will include the following language as a part of any agreement with a subcontractor:

Failure to make any disclosure required by Governor's Executive Order 98-04, or any violation of any rule, regulation, or policy adopted pursuant to that Order, shall be a material breach of the terms of this subcontract. The party who fails to make the required disclosure or who violates any rule, regulation, or policy shall be subject to all legal remedies available to the contractor.

3. No later than ten (10) days after entering into any agreement with a subcontractor, whether prior or subsequent to the contract date, I will mail a copy of the **CONTRACT AND GRANT DISCLOSURE AND CERTIFICATION FORM** completed by the subcontractor and a statement containing the dollar amount of the subcontract to the state agency.

I certify under penalty of perjury, to the best of my knowledge and belief, all of the above information is true and correct and that I agree to the subcontractor disclosure conditions stated herein.

Signature _____ Title Executive Vice President Date April 9, 2024

Vendor Contact Person Greg Maniss Title Regional Sales Director Phone No. 913.543.7219

Agency use only

Agency _____ Agency _____ Agency _____ Contact _____ Contract
Number _____ Name _____ Contact Person _____ Phone No. _____ or Grant No. _____



Equal Employment Opportunity and Affirmative Action Policy

It is the policy of the Company not to discriminate against any employee or applicant for employment on the basis of race, color, religion, national origin, sex (including pregnancy, childbirth, or related medical conditions), ancestry, age, sexual orientation, gender identity, disability, status as a protected veteran, or any other characteristic protected by law.

It is also the policy of the Company to take affirmative action to employ and to advance in employment, all persons regardless of their sex, race, color, religion, national origin, age, disability, or status as a protected veteran. It is the Company's policy to only base all employment decisions on valid job requirements.

This policy shall apply to all employment actions, including but not limited to recruitment, hiring, upgrading, promotion, transfer, demotion, layoff, recall, termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship, at all levels of employment. Employees and applicants of the Company will not be subject to harassment on the basis of sex, race, color, religion, national origin, age, disability, or status as a protected veteran. For information regarding the Company's internal policy for addressing complaints of harassment, please refer to the Policy Against Harassment.

Employees and applicants will not be subjected to intimidation, threats, coercion, or discrimination because they have engaged in or may engage in filing a complaint; assisted or participated in an investigation, compliance evaluation, hearing, or any other activity related to the administration of Section 503, VEVRAA, Executive Order 11246, or any other federal, state, or local law requiring equal opportunity for women, minorities, individuals with disabilities, or protected veterans. Employees and applicants will not be subjected to intimidation, threats, coercion, retaliation, or discrimination because they have opposed any act or practice made unlawful or exercised and other right protected by VEVRAA, Executive Order 11246, or any other federal, state, or local law requiring equal opportunity for women, minorities, individuals with disabilities, or protected veterans.

The Company will not discharge or in any other manner discriminate against employees or applicants because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant. However, employees who have access to the compensation information of other employees or applicants as a part of their essential job functions cannot disclose the pay of other employees or applicants to individuals who do not otherwise have access to compensation information, unless the disclosure is (a) in response to a formal complaint or charge, (b) in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or (c) consistent with the Company's legal duty to furnish information.



In order to ensure the success of the Company's affirmative action program, overall responsibility for the implementation of affirmative action activities throughout all levels of the company resides with the VP—Human Resources, for the Company. One of the VP—Human Resources' duties will be to establish and maintain an internal audit and reporting system to allow for effective measurement of the Company's programs.

In furtherance of the Company's policy regarding affirmative action and equal employment opportunity, the Company has developed a written affirmative action program, which sets forth the policies, practices and procedures that the Company is committed to in order to ensure that its policy of nondiscrimination and affirmative action for women, minorities, individuals with disabilities, and protected veterans is accomplished. This affirmative action program is available for inspection by any employee or applicant for employment upon request, during normal business hours, in the Human Resources Department. Interested persons should contact the Human Resources Department for assistance.

Steve Benjamin, Executive Vice President