

**RFQ-24-0002 Scope of Work - Phoenix Courtrooms 603 and 701 – Audio Upgrade**  
**(Revised 7/11/2024)**

US Bankruptcy Court – District of Arizona is planning an audio upgrade for two (2) courtrooms in Phoenix – Phx Courtrooms 603 and 701. Our existing audio system consists of a Biamp Tesira Server-IO with SIC-4, SEC-4, SOC-4, SVC-2 cards and other audio equipment as shown in attached **Phoenix Courtroom – Generic (Existing) Audio System** drawing. We will be installing one (1) OFE Tesira EX-UBT for FTR/USB recording along with one (1) OFE AVB-1 card.

We are requesting equipment pricing for:

<u>Equipment:</u>	<u>Quantity:</u>	
1. One (1) Biamp TesiraCONNECT	2	- 1 per courtroom
2. One (1) Biamp EX-UBT	2	- 1 per courtroom

We are also requesting pricing for the new Biamp DSP program and Crestron control system and touch panel program as required.

New configuration of Biamp Tesira Server-IO for each courtroom:

- One (1) OFE AVB-1 card will be installed (noted above)
- One (1) OFE Biamp Tesira EX-UBT will be installed and used for FTR/USB recording solution (noted above)
- One (1) new Biamp Tesira EX-UBT will be purchased and installed to make the CD PC the Zoom audio HOST PC
- One (1) new Biamp TesiraCONNECT will be purchased and installed to connect and provide PoE to the 2 Biamp EX-UBT unit - as shown in attached updated audio system drawing.

**Project Notes:**

1. The system will function essentially the same as it is now with the following changes:
  - FTR will be recorded USB via Biamp EX-UBT instead of line level audio – 4 channels of audio as outlined below:

**FTR RECORDING CHANNELS**

<b><u>Microphones</u></b>	<b><u>Channel 1</u></b>	<b><u>Channel 2</u></b>	<b><u>Channel 3</u></b>	<b><u>Channel 4</u></b>
Counsel Table (L)			x	
Counsel Table (R)			x	
Lectern/Podium		x		
Witness (lav & table)				x
Exhibit			x	
Wireless		x		
Clerk/CD		x		
Judge (lav & bench)	x			
Interpreter				x
Telephonic/ATC			x	
Video/VTC			x	
<b>NOTE: All evidence audio is on Channel 3</b>				

- The Courtroom Deputy's (CD) PC will now be connected via EX-UBT and become the HOST audio for all Zoom calls
2. All new equipment will be installed and connected to existing system as required by AZB Courtroom Technology Specialist
  3. All existing connections will be verified by AZB Courtroom Technology Specialist
  4. Contractor will provide a new Biamp digital signal processor (DSP) program as necessary, and include implementation and testing of all equipment in audio system – **all appropriate levels and settings will be completed throughout the DSP program and will be implemented and tested with contractor onsite with AZB Courtroom Technology Specialist**
    - AZB will provide existing DSP program for reference
  5. A new Crestron program and touch panel changes will be required and performed by contractor
    - AZB will provide existing processor and touch panel programming files
    - Images of **old touch panels** and **new touch panels** are attached
    - **Program to be downloaded and tested onsite**
  6. Selected contractor will work with AZB Courtroom Technology Specialist to verify project requirements and scheduling.
    - Scheduling of courtrooms will be subject to Judge/Courtroom schedules and will be done to accommodate one (1) onsite visit.
  7. Equipment and Labor costs need to be clearly detailed as noted below:

<b>Equipment:</b>	<b>Unit Price:</b>	<b>Quantity:</b>	<b>Total Price:</b>
1. One (1) Biamp TesiraCONNECT			
2. One (1) Biamp EX-UBT			

<b>Labor:</b>	<b>Hourly Rate:</b>	<b>Man Hours:</b>	<b>Total Price:</b>
1. Engineering			
2. Biamp programming			
3. Crestron programming			
4. Onsite implementation and testing			
5. Misc. documentation			
6. Travel			

7. Taxes to be delineated separately
8. Drawings of **Phoenix Courtroom – Updated Audio System - RFQ** included, as well as **Video - Generic** and **Control - Generic** drawings for reference.
9. Touch panel page images attached.