

**RFP 2007 (Ross Tria+ Studio Playback Solution
Vendor Questions and University Answers**

Vendor 1 of 3

- 1) Can you provide Ross Ultrix Router model information?

We have a Ultrix 5-RU system with a mix of control panels, along with several matie to analog converters for legacy analog gear. We also have a Dante interface as a part of the routing system as well.

- 2) Is there currently enough SDI inputs/outputs available on the Ultrix Router?

Yes, there are spare inputs and outputs on the router, but we should be reusing exiting inputs and outputs as we will be decommissioning an existing K2 system that the new system will be replacing.

- 3) What is the current workflow for the Grass Valley Switcher and Tria Playback?

Currently we control two channels of our K2 system for clip playback into the switcher for show opens and other elements that are longer and need more key/fill playback, and other bumps and alike elements. The old system is 6 out and 2 in and we will configure the new Tria System in the same manner.

- 4) Is there an existing KVM encoder available for Tria?

Yes, we have Adder X-DIP systems ready to be reused when the K2 Systems are removed.

- 5) What is the current workflow for the Yamaha CL5 and Tria?

We have a mix of analog and dante inputs into the board as well as the outputs. Currently the K2s are fed from D-A converters and into a RIO i/o interface. If this can be changed to better flow, via Dante through the router we are totally open to this option, and could remove some extra conversion for this.

- 6) Is space available in an existing equipment rack for Tria?

Yes, the system will go in space freed up by decommissioning the K2 Systems.

- 7) When is the project completion date?

Full training and commissioning would need to be completed by January 9, 2026.

Vendor 2 of 3

- 1) Design and Integration Services for integration with existing workflows, Ross Ultrix Switcher, Yamaha CL5 Board, Grass Valley Switcher, Adder XDIP KVM:
Is an Adder system being supplied by KSU for the integration?

Yes, the Adder Hardware will be provided for the new system.

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- 2) What is the expectation as to how the Tria will work with the Yamaha audio mixer, Ultrix Router, and Grass Valley switcher? It does not state if this is simply video and audio integration or if there is an expectation of control of the Tria by any of these devices. We know that the Adder is a KVM extension, but other than that, we need additional information, especially if there is additional interfacing hardware and/or software for the functionality as expected by the university. For example, how Ross video production switcher would “talk” with a Ross Tria may not be the same as a Grass Valley switcher that you have in place.

Integration is going to be basic audio and video. Currently audio is coming out of our existing K2 Servers via AES and converted to Analog, the possibility to use the Ultrix to do de embedding and fed via Dante to the audio board to remove some older conversion is a hope, but we will dig deeper into detailed integration with the successful bidder. We do currently control two channels of the K2 system with Grass Valley system. It is a K-Frame V Series. All other channels will be manually controlled via user interfaces.

- 3) Needed cable, connectors, and installation hardware to install the server and have it ready for Ross Commissioning and Training:
Where is the Tria being installed? Is this going in a rack room?

Yes, the new system will be installed in the same space as the existing K2 Systems, and most cabling is in place for this, as standard BNC cabling. It is in standard equipment racks, in the central equipment room.

- 4) Where does the cabling need to be run to?

The majority of the cabling is installed, we would just need any new cabling installed if connectors need changed, or additional, but we are currently an eight channel system, and would continue that size system.

- 5) Are there drawings of the space to confirm cable runs, associated pathways, and lengths?

There are not detailed drawings cabling that would need to be run from server to router and switcher would be less than 30ft, and audioboard is about 50-60ft.

- 6) If necessary, can we complete a site survey to review the installation requirements?

Yes, the successful bidder would be welcome to visit us to come up with an integration plan, and or photos and more detailed measurements can be sent along. This will be done by the successful bidder post-award.

- 7) If so, who should we contact to complete this site survey?

That will be determined post-award pursuant to the answer to question 6 above.

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- 8) Deliverables should include updated drawings of new server system, and any changes made to wiring and configurations of other equipment:

Are there existing CAD files we can modify so that the drawings can be updated? A PDF is not meant for editing for this type of work; thus, the request for the AutoCAD files.

There are not existing drawings of the complete system. We have drawings of the router system and listings of cable numbers. We would just be looking for drawing files from the system that is installed by the successful bidder. The PDF is for reference only, CAD files should be included for future editing.

- 9) Knowing that equipment deliveries can vary, when is the university expecting completion?

We are looking for full project completion by January 9, 2026. This would include training and commissioning.

Vendor 3 of 3

- 1) For audio signal connections between the Tria server and Yamaha CL5 mixer, what audio signal type and connectors are preferred at the Yamaha CL5 mixer?

We are hoping to integrate the audio via dante through our Ultix router with de embedders on each channel.

- 2) Will the university provide any conversion hardware and/or I/O cards for the Yamaha mixer for the AES audio signal path to and from the Tria server?

Yes, we currently have AES to Analog conversion in place, and should it be determined that this is the best course to continue we will reuse these channels of conversion.

- 3) Is the university providing the Adder XDIP KVM hardware that the Tria will be connected to, and if so, has this KVM hardware already been configured and tested?

Yes, the KVM (Adder XDIP) is here and setup for use.

(End of document.)