

EQS-STAR Center Videoconferencing and Webcasting Collaboration

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Abstract

Videoconferencing and webcasting is available to EQS-STAR Center partners for collaborative meetings, presentations and academic classes related to creation and dissemination of NYSTAR funded research.

A Polycom[™] multipoint conferencing unit (MCU) is used for standards-based videoconferencing at universities and research centers, including integrated telephone conferencing with desktop or cell phones.

A Starbak[™] server was recently added to enable global participants to view videoconference proceedings via webcasting with Windows Media Player[™] or QuickTime[™] desktop client software.

This poster describes the technological infrastructure and instructions on how partners can access the system to initiate videoconferences or webcasts.

Background

Faculty and staff survey research identified the telecommunications service priorities as:

- 1. Ease of operation
- 2. Ability to connect multiple locations regardless of transmission speeds or network infrastructure (IP or ISDN)
- 3. Ability to conference-in phone participants
- 4. Participant time-zone flexibility through webcasting, video-on-demand and content storage
- 5. User-initiated ad-hoc videoconferencing
- 6. DEVO administration of large, multi-site scheduled conferencing
- 7. Concurrent conferencing
- 8. Future system expansion
- 9. Data file exchange during videoconferences
- 10. Reliable hardware and vendor support





Videoconferencing can be accomplished through IP

Webcasting

EQS researchers may need to collaborate with sites that do not have access to videoconferencing equipment, but do have access to webcasting on a desktop or laptop PC.

Phase 2 implementation included a Starbak[™] system, allowing a videoconference to be simultaneously webcast using Windows Media Player[™] or Quicktime[™]. Webcasts can be open to the public or password protected, and can include a "side-by-side" Powerpoint™ display option.

The webcasts can also be archived and recalled for inclusion in classes and conference presentations. creating a library of video-on-demand research information.



MCU utilization statistics (pictured above) reflect growth in demand for videoconferencing/webcasting over the first year. Additional features and capacity upgrades are scheduled for implementation.

To certify your site and use the system, contact the following people at the University at Buffalo:

Videoconference & Network Support Specialist, DEVO

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