



Proposal for
BISSNET/WNYPRI

The Buffalo Independent Secondary Schools Network
and the
Western New York Partnership for Regional Internetworking

Carol A. Kostyniak
Committee Chair

Prepared by: **VERAVIEW LLC**

September 21, 2001



System Description

This proposal provides for an H.323 Multipoint Control Unit (MCU) with the capability of connecting 100 videoconference endpoints into a single integrated multiparticipant meeting. It combines video, audio and data streams into one multilocation interactive session. It includes a Gatekeeper software package running on a PC Server running Windows NT, providing admission control, bandwidth management and call routing functions. A scheduling function for this Gatekeeper is fundamental to the logistics of managing a diverse number of registered users who will be using the inter-networking features.

The units selected for the MCU is the Cisco IP/VC 3540 MCU, along with the Radvision ECS-100 Gatekeeper Software, which will be located at the University of Buffalo with an active connection to Internet 2.

The ECS can handle up to 100 concurrent calls and 500 registered users. Its functions include registration, admission and address translation, and bandwidth management, including Cisco proxy support.

The Cisco 3540 is capable of 100 sessions at 128 kbps, 50 sessions at 384 kbps, 25 sessions at 764 kbps and 10 participants at 1.5 Mbps. When using the continuous presence feature, the total number of sessions supported decreases by approximately 35%. The MCU supports conferences at different bandwidths, and multiple concurrent conferences, up to the maximum number of sessions, e.g. five– 5 session 384 kbps conferences. The Cisco #3525 Gatekeeper and PRI interface permits older, legacy systems and ISDN phone connections to participate in the region's videoconferencing sessions.

Along with the necessary installation and check-out of the equipment, is a one-year manufacturer's warranty for phone and parts support . Training of the Members' Coordinators and Veraview's One year On-site Service Support is included.