

2B1 Deployment of IP (H.323)

Steven Williams, UKERNA, United Kingdom and Roger Bolam, University of Swansea, United Kingdom

Abstract:

This presentation will outline the work taking place in the UK to launch an H.323 IP videoconferencing service for the JANET community during 2002. The Welsh Video Network (WVN) will be used as an example of a deployment of over 80 videoconferencing studios across Wales who will be the first to make use of these IP videoconferencing services.

The speakers will begin by outlining the context and drivers for the development of IP videoconferencing services and some of the challenges that were anticipated at the beginning of the project. The speakers will briefly cover the approach taken by the UK academic community and then look in detail at the technical implementation of the service, the problems identified and the solutions employed. The Welsh Videoconferencing Network will be used as an example of a large deployment of videoconferencing facilities that will be using these services.

The technical discussion will focus in four main areas that were identified as key to the launch of a successful service; these are the architecture (location of infrastructure components MCUs, gateways & gatekeepers), the addressing scheme (in collaboration with international partners), security and quality of service.

The presentation will conclude by looking at some of the challenges that are expected as services of this nature become prevalent, particularly in the context of these services interworking internationally.