



Voice and Video Developments

Workshop 31 University of York



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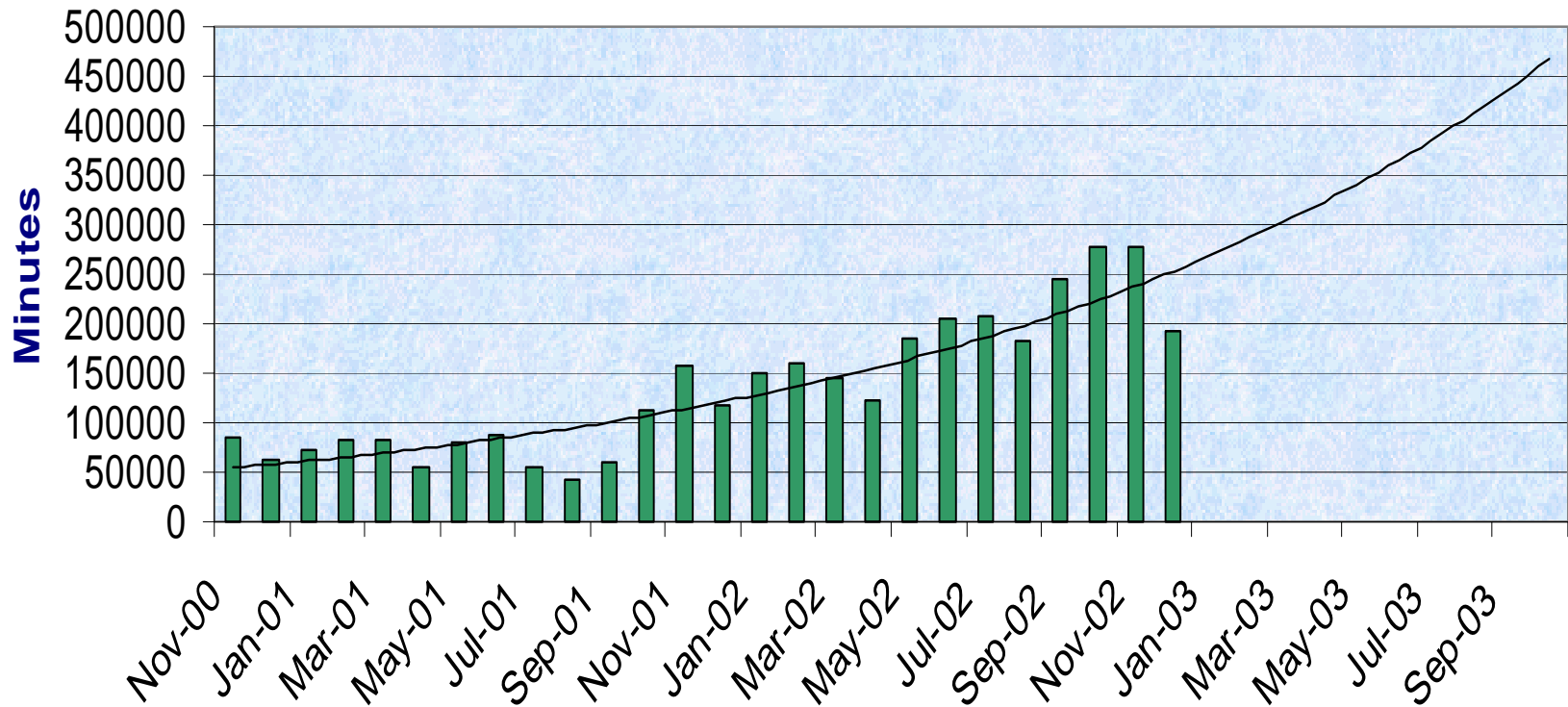
Voice and Video Developments

- Launched JANET IP Videoconferencing Service JVCS-IP on 17th February 2003
- Development plans to enhance and compliment JANET videoconferencing services
- Voice developments on JANET



JVCS Usage Statistics

Monthly Port Usage





Videoconferencing Developments

- AD-HOC videoconferencing
- Automated QA Testing
- Higher Quality Videoconferencing
- JANET Videoconferencing Booking System overhaul



Ad-Hoc Videoconferencing

- “Instantaneous” videoconferencing scheduling
- Separate dedicated MCU resources and user controlled scheduling interface
- Simple registration process doesn’t require a full QA test
- Piloting activity starting Q3 2003



Automated QA Testing

- QA Tests required every six months
- Approximately 400 registered Venues
- Automate current QA test procedure
- Saves operator and end sites time and effort
- Automated “on-line” objective audio and video test



Higher Quality Videoconferencing

- Market Analysis of current products
- MPEG based solution
- Multi-point possibilities
- JVCS-IP gateway potential
- Initial trial completed Q4 2003



JVCS Booking System

- Developed for smaller scale videoconferencing
- JVCS-IP forced change
- No viable commercial solution at present
- Development contract with University of Edinburgh
- Simplified booking process with new look and feel
- Launched Q4 2003



JANET Voice Services

- Initial small scale project starting Q3 2003 for approximately six months
- Based on existing H.323 architecture with a centralised call manager function
- Testing a range of voice endpoints
- IP PBX integration potential
- Considering the role of SIP



Voice Services on JANET cont..

- Commercial backhauling of VoIP traffic on JANET
- Future possibilities of JANET IP - PSTN voice gateway
- Issues with telco licensing and service administration.
- Co-Funding the TERNA IP Telephony Cookbook



So to summarise...

- Challenging development programme for video and voice on JANET
- Already considering upgrade path for current videoconferencing services
- Increased involvement in teaching and learning issues



Further Information

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<http://www.ukerna.ac.uk/video/development>