14th World Congress of the World Federation of the Deaf


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Presentation Outline

- Participants
- Background
- Project Description
- Technical Details
- Demonstration Video
- Questions?
Participants

• McGill
• University of New Brunswick
• Canadian Deafness Research and Training Institute
• Canarie
• Human Resources Development Canada
• Canadian Heritage
Background

- Shortage of Interpreters
- Rural and remote areas
- Official language minority populations
- Physician scheduling
- Supreme Court decision (Eldridge)
- Limitations of conventional videoconferencing
Project Description

- Physician and deaf patient at McGill
- Sign language interpreter at UNB
Project Description

- Interpreter shown on separate displays for physician and deaf patient
- Cameras mounted above displays
- Mics for physician & interpreter
Technical Details

• High quality DV cameras
• 3 DV Video streams at 25 Mbps each
• Total one way bandwidth ~ 60 Mbps
• Real time DV software decompression
• 2 Audio streams
• Gentner echo cancellation units
Demonstration Video

- Short segment from the middle of a clinical session
- Orthopaedic history & examination
- Comments from Deaf participant
Summary

• Full health access important
• Shortage of interpreters
• Broadband videoconferencing solution
• High quality communication
• Next phase - implementation
Questions

• Questions?

• http://www.mcgill.ca/icc/canarie/signLanguage