

NARMC Telemedicine Video Teleconferencing

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1. The North Atlantic Regional Medical Command (NARMC) Telemedicine Directorate (TMED) has acquired and is currently operating PictureTel Montage 570B Video Bridge. This video bridge is configured with the following options:

Hardware:

- 1 Dual T-1/PRI Card – with two PRIs
- 2 8-port IMUX cards – support 16 sites in IMUX call
- 1 Continual Presence Card – Hollywood squares option
- 6 4-port BPU cards – 24 users supported
- 1 8-port RS-232 Controller – allows for dial-in access

Software:

- OS2 Base OS, Rev. C1 – upgraded from Rev. B2
- 20 Slot Chassis Option
- MCS Application Software, V6.0 – upgraded from V5.0E & V5.0C2
- MCS Workstation User Interface, V6.0
- BackMaster V2.02 - to backup system, upgrade from 2.0
- IMUX - enables IMUX hardware
- H.243 Cascade - links MCUs together
- Continual Presence - enables CP
- Collaborates - enables 384 and 128 users in CP
- H.243 Chair Control - enables for control of who is viewed
- PT.724 - enables for protocol PT 724 to be used
- Advanced Scheduler - coordinate who is on when

2. With the above configuration we can support up to 24 users with multiple configured options. The bridge is currently set with three nailed –up conferences running 24/7 in the following configuration:

Session 1 supports 5 sites at 2 x 64 Kbps.

Session 2 supports 6 sites at 2 x 64 Kbps.

Session 3 is configured for Continual Presence with mixed data rates supporting 3 sites at 384 Kbps and 2 sites at 128 Kbps. The 2 sites at 128 flip flop appearance in the window based on who talked last.

Other session configurations are created but not active based on the available bandwidth such as a session to support 11 sites at 2 x 64 Kbps or four sites at 384 Kbps. New sessions can be created.