INTERNET2 COMMONS: TELEPRESENCE INTEROPERABILITY
WHAT IS TELEPRESENCE?
**Visual Presence**
- High Definition
- Camera Shot
- Screen Size
- Screen Position
- Lighting

**Eye Contact**
- Camera Position
- Screen Position

**Visual Congruence**
- Furniture
- Paint
- Signage

**Audio Presence**
- Spatial Audio

**Audio Quality**
- “High fidelity”
- Room Noise/HVAC
- Echo Cancellation/Full Duplex

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**Immersión**
IMMERSION AND INTEROP
Visual Presence

- High Definition
- Camera Shot
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- Furniture
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Cisco to Cisco
Cisco

A combination of SIP and Cisco Call Manager

H.323

Audio/video communications standard for packet networks

SIP

Session initiation protocol, audio/video communications standard for Internet
Cisco to H.323/SIP
H.323

2001:db8:1234:5678:9a2e:890:7334
H.323

001 (189) 780-1234
endpoint@domain.com
Cisco to H.323/SIP
INTEROPERABILITY

H.323/SIP Telepresence

? [Diagram]

Cisco TelePresence
TELEPRESENCE INTEROPERABILITY PROTOCOL (TIP)

AT&T
Cisco
France Telecom
HP
Informata
Lifesize
Polycom
Radvision
Tandberg
Vidyo
TELEPRESENCE INTEROPERABILITY PROTOCOL (TIP)

Radvision Scopia Elite

Polycom RMX (Q3/4 2011)

Cisco TelePresence Server (MSE 8000 with 8710 Blades)
INTEROPERABILITY

H.323/SIP Telepresence

Cisco TelePresence

Cisco TelePresence Server
Cisco TelePresence Server

Photo by Jeff Hagley
Cisco to H.323/SIP
Cisco CTS 3000

Photo by David Devereaux-Weber
Polycom HDX 8000

Photo by Jeff Hagley
CISCO TELEPRESENCE GATEWAY

Single to Single
CISCO TELEPRESENCE GATEWAY

Triple to Single
CISCO TELEPRESENCE GATEWAY

Triple to Triple
UNLIMITED USE ROOMS

Annual subscriptions based on resolution and seats
SCHEDULABLE ROOMS

Hourly based on resolution and seats
DEDICATED PARTNER CAPACITY
DEDICATED PARTNER CAPACITY

Blade capacity:
16 Telepresence ports
20 HD H323/SIP ports
80 SD H323/SIP ports
WHAT’S IT MEAN TO ME?
I HAVE: CISCO IMMERSIVE TELEPRESENCE

Cisco TelePresence Gateway Service
I HAVE: OTHER IMMERSEIVE TELEPRESENCE

Cisco TelePresence Gateway Service
I HAVE: MANY DIVERSE SYSTEMS

Unlimited or Scheduled Rooms
I HAVE: VIDEOCONFERENCING
I WANT: TELEPRESENCE
Visual Presence
- High Definition
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Visual Congruence
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- Sinage

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Audio Quality
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DESKTOP/MOBILE TELEPRESENCE?

- Polycom CMA-D
- Evogh SeeVogh
- IOCOM Visimeet
- Radvision Scopia
- Vidyo Desktop
- Cisco Movi
WHAT’S NEXT
SCHEDULING AND DIRECTORY
NON-STANDARDS BASED INTEROP

- H.323
- SIP
- Skype
- Google Talk
- More?
CLUE

Controlling multiple streams for Telepresence
STAY ENGAGED
Internet2 Video/Collaboration Forum: the Internet2 Commons: Monday April 18, 5:30pm-6:30pm

Telepresence Interoperability: Tuesday, April 19 from 4:30PM-5:30PM

Audio Video Communications Infrastructure SIG: Wednesday April 20, noon-1:00pm
INTERNET2 COMMONS TELEPRESENCE SERVICES DATES TO REMEMBER

Services go live at the Internet2 Spring Member Meeting, April 18, 2011

Early Adopter Pricing window available
QUESTIONS?

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