

Videoconferencing

HEAnet videoconferencing infrastructure

- Usage in 2015
 - Over 1 million minutes
 - Over 27,000 H.323 videoconferencing calls
- Services
 - H.323 Gatekeeper
 - Register endpoint, dial GDS numbers, filter nuisance calls
 - ISDN Gateway
 - ISDN to IP calls
 - Multipoint Controller Unit (MCU)
 - Multi-site calls (up to 40 concurrent per MCU)

- Hardware
 - Polycom DMA 7000 Cluster
- Register Endpoints
 - Help prevent nuisance calls
 - Dial GDS numbers
 - Allocate GDS numbers to your units (0035301xxxnnn)
- Features
 - Call statistics
 - Call diagnostics

- Hardware
 - Cisco Codian 3241 ISDN Gateway
- Features
 - H.323 or Voice calls
 - Dial out only (ISDN to IP)
 - ISDN PRI (30 lines)
- Phone numbers
 - Direct to MCU: 01-9611001
 - Direct to DVC: 01-9611000
 - IVR: 01-4490889

- Hardware
 - Two Cisco Codian 4520
- Features
 - 40 concurrent 720p calls + 40 audio only calls (per MCU)
 - H.239 content sharing
 - Encryption
 - PIN protected rooms
 - Permanent virtual room (200 limit per MCU)

Future Plans

- End-of-Life
 - Cisco Codian 4520 – End-of-Life 2018-2020
 - Polycom DMA 7000 over 6 years old
- Older Services
 - ISDN Gateway – are you using it?
- Multiple Services
 - Video Conferencing and DVC
- Usability
 - Shorten GDS numbers 003530110051101 to 003539101

- New Core
 - Based on Vidyo Gateways and Routers
 - Multiple dial-in options; H.323, WebRTC, Mobile App, ISDN
 - Video conferencing and DVC merge
 - Replaces Cisco Codian MCUs - Like-for-like feature replacement
- Polycom DMA 7000 Cluster
 - GNUGK open-source running on Ubuntu servers
- Border Controller
 - Fully proxy for VC calls - Currently researching
- ISDN Gateway
 - Probably continue until no longer used

