

AARNet's Video Conferencing Journey

The National Video Conferencing Service (NVCS) in 2010

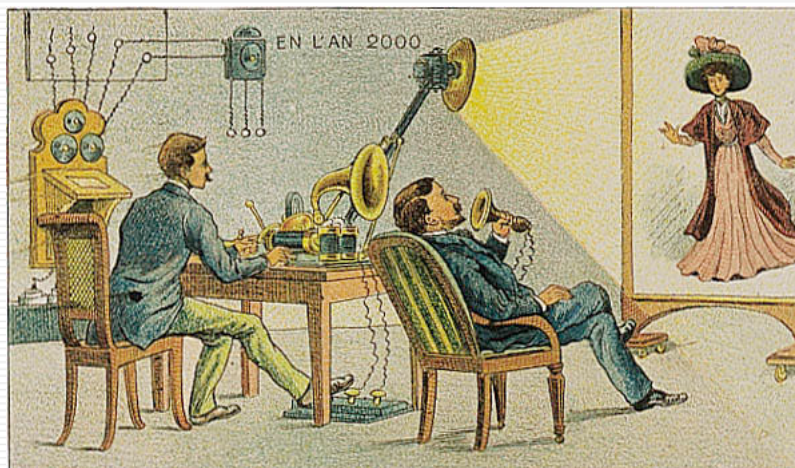
Jason Bordujenko,
Maggie Luczynska & Darren French

QUESTnet – 8 July 2010



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The Y2k VideoPhone: Circa 1910



Personal VoIP & Video (for staff)

Desktop
Video (Cisco
VTA, CUPC)
4 digit dial to
conference
bridge

VoIP phone,
activates
video for
staff calls



Mgt of a Cisco Call Manager 6, Unity voicemail, ISDN GW, Gatekeeper, PSTN gateways

The Apps & Services Team



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On site event support



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Remote event support



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Ozeconferences

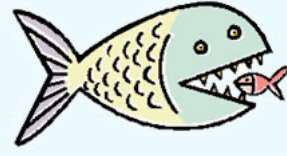


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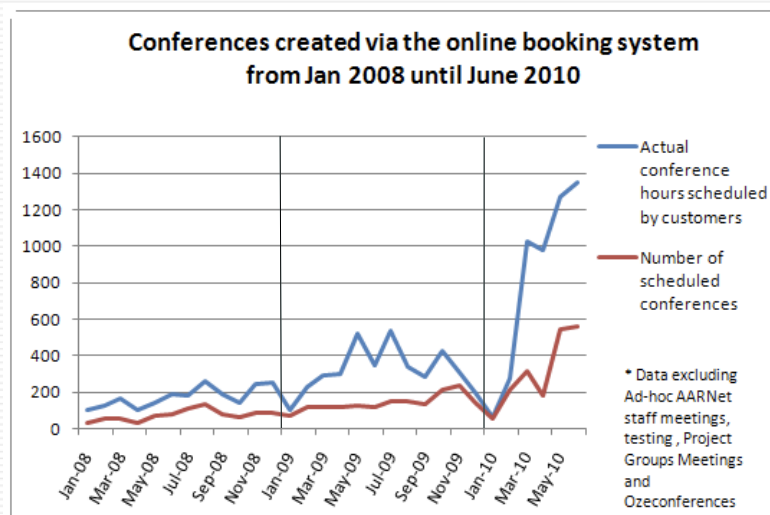
Opportunity to invite guest speakers, stress test the video platform, identify video issues at customer sites

VC Mergers and Acquisitions – lots happening!

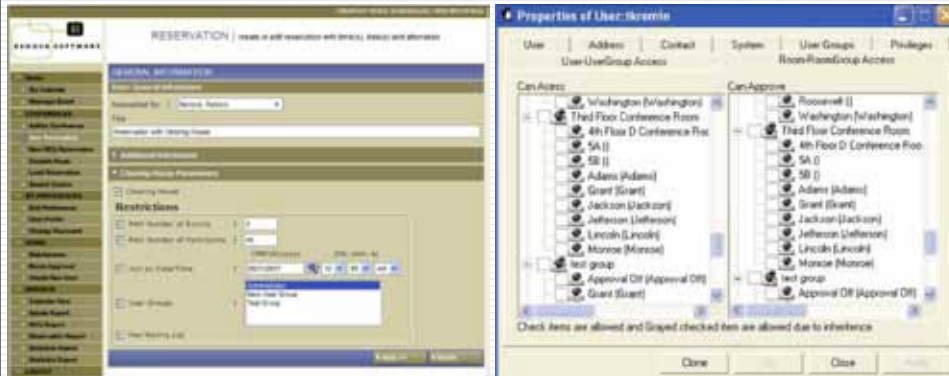
- TANDBERG bought Codian (MCU maker)
 - Then CISCO bought TANDBERG (2010)!
- LogiTech bought LifeSize (2009)
- Sniffing around*: HP investing heavily in Vidyo, eyeing others
- Apple releasing 'FaceTime' as VC solution with iPhone4



National Video Conferencing Service (NVCS) use



Future services: Online conferencing booking/scheduler



Renovo Platform: *To replace CMP123:* Allows for more functionality, better email notification, access to more MCUs (Codian, Polycom), better reporting, more user/group permission settings and finer grained recording access.

Adding a Polycom RMX to the mix



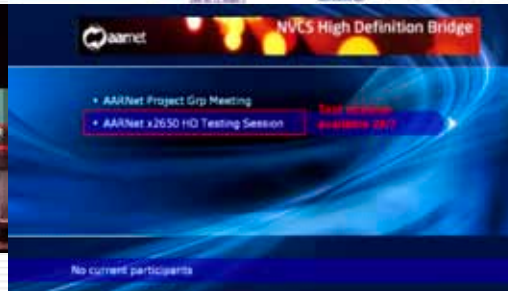
NVCS NOC - AARNet Melbourne



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Quality Assurance - making video just work

- 70+ sites accredited across 11 institutions, annual renewals also underway; test times and auto-test options



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Example of certification



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Vidyo: High definition desktop video client



Connects into our conferencing bridge, codec offers high quality across low bandwidth connections

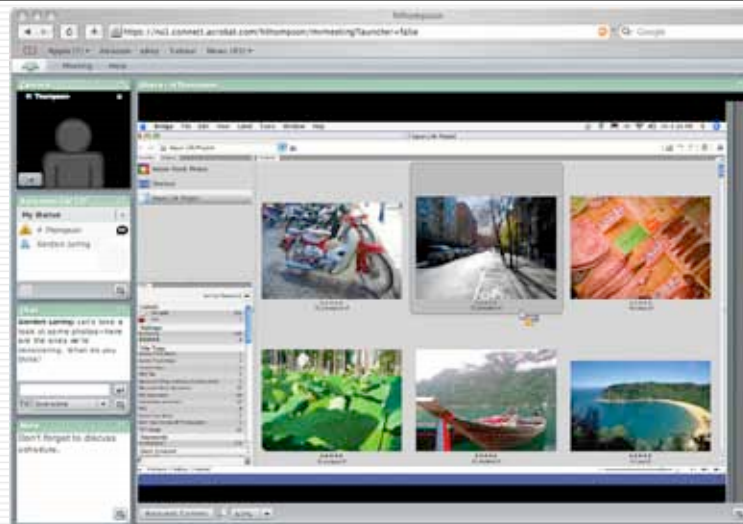
Future services: AARNet Anywhere beta tests

<http://anywhere.aarnet.edu.au>



Beta test software, develop interoperability with conferencing servers

Adobe Acrobat Connect: to share presentations separate from a conferencing bridge, separate back channel for chat (for support)



Currently an external Off.Net hosted trial of Adobe Acrobat Connect Pro is in use.

NVCS service tests



The OOKLA server on AARNet tests end-to-end network conditions for 'friendliness' to real time applications: Firewalls, latency, jitter and bandwidth are measured



AARNet and Measurement Labs have recently partnered to bring detailed testing of network conditions on-net

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Monitis/NVCS Health Checks



NVCS Health Check		
Date:	2/07/19	
Time:	Sam	
Officer:	Darren French	
HD MCU	Video Test	OK
SD MCU	Video Test	OK
ISDNW	Connection Test	OK
CPVCH	Recording Space	43%
ICS	Recording Space	OK
Vidys	Gateway Call to MCU	OK
WVU	WVU Video Call Test	OK
CHP123	Backup Unlabeled CSV File	OK
MONITIS	WVU registration	OK
MONITIS	WVU registration	OK
Comments:	All tests passed. No issues identified.	

Monitis 24/7 monitoring of Video & Audio infrastructure with configurable alert options. Phase 2 to be available to NVCS customers.

Health Checks performed daily. Identifies issues for NVCS ahead of main usage hours.

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