

Video Technology and the Transformation of Tomorrow's Courthouse ©

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Introduction

- A time of extraordinary change in technology ...
- ... and in challenges to the court
 - demands for service, fiscal constraints, pressures toward efficiency, etc.
- Challenges = opportunities
- How will technology – especially AV – fit into this puzzle?

Introduction

- Effective implementation depends on an integrated system
 - Legal / Procedural
 - Behavioural (perceptual, cognitive; cultural)
 - Technical (infrastructure, hardware, operations)
 - Spatial / Architectural

Introduction

Range of Uses of Videoconferencing - 1

- **Remote involvement of sensitive parties or witnesses**
 - Juvenile victims of sexual or other physical abuse
 - Adult victims of domestic violence
 - Disruptive defendants
- **Remote presence of criminal defendants to avoid costs and security risks**
 - Arraignment/first appearance
 - Bail setting
 - Procedural hearings
 - Accepting pleas
 - Imposing sentence

Introduction

Range of Uses of Videoconferencing - 2

- **To Avoid Travel Time & Cost**
 - Judges presiding over remote cases
 - Expert witnesses from substantial distances
 - Remote attorney/client communications
 - Settlement negotiations among parties in different locations
 - Trial preparation for multi-party/ multi-lawyer proceedings
- **For Court Proceedings and the Court Record**
 - Evidence presentation
 - Recording / public distribution
 - Archiving / appeals

Introduction

Courthouse spaces that utilize AV technology

AV systems play an important role in:

- Courtrooms
- Jury Deliberation
- Holding Cells
- Public Lobby/Digital Signage
- Jury Assembly
- Conference/ Training Spaces
- Self-Help Centers



Introduction

Justice Partner Facilities

Among the many types:

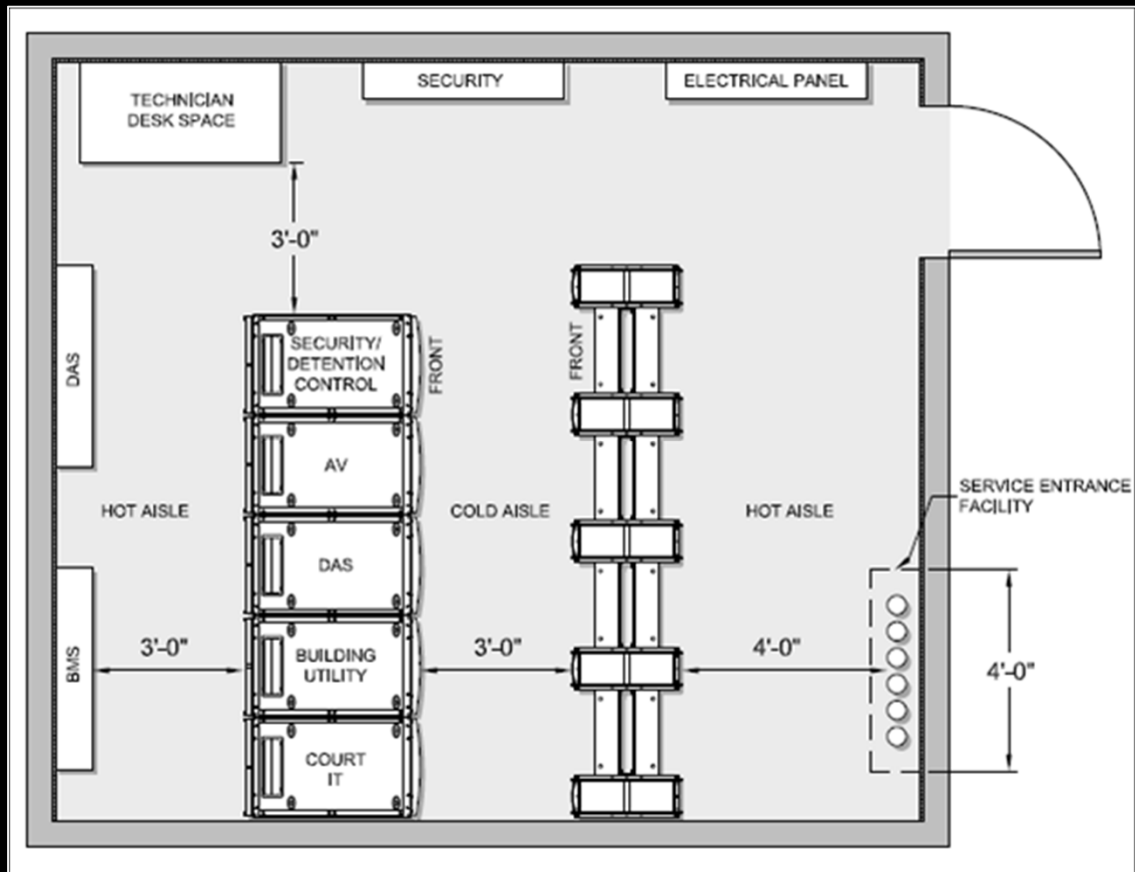
- Detention & Correctional Facilities
- Hospitals & Mental Health Facilities
- DA, PD, Probation & Parole Offices
- Law Enforcement Facilities



Introduction

Interconnectivity brings increasing technical and spatial demands

- Hardware
- Infrastructure
- Space



Introduction

Presentation Outline

Developing New Standards and Guidelines for AV in the Courts

Jennifer Willard & Bob Schwartz (& Joe Bocchiaro)

Gateways to Justice – Lessons from Research on Australian Court Processes

Emma Rowden (& Anne Wallace)

Developing New Standards & Guidelines for AV in the Courts

Jennifer H. Willard, CTS Supervising AV/Video Systems Technical Analyst, CA
AOC

Bob Schwartz, FAIA, HOK Inc.

Why are we here?

Evolution of Use of AV Technology in Courthouse

- **Courts historically have been slow at adopting the use of technology**
 - Judicial Officer Preference
 - Budget Restraints
 - Unreliable Equipment and Videoconference Technology
 - Political Differences/Legal Implications
- **1990s saw a shift in the adoption of technology for court proceedings**
 - Rules of Law and legislation were adopted in many jurisdictions
 - More reliable AV equipment and technology
 - Courts began to see potential efficiencies in utilizing technology
 - Media/Press began to request more access to court proceedings

New Standards & Guidelines for AV & IT in the Courts

What are the design philosophies?

Three critical factors to consider in design of AV

- Equipment can not be used as a weapon
- Equipment can not be vandalized
- Technology can not be challenged for due process issues



New Standards & Guidelines for AV & IT in the Courts

What brought us here?



OJ Simpson Trial in 1995 used
Elmo Document Cameras for
Evidence Presentation

Casey Anthony Trial in 2011 was broadcast daily from
a state-of-the-art Florida Courtroom



New Standards & Guidelines for AV & IT in the Courts

Increased Use Brought New Challenges

- Coordination between stakeholders was inefficient, leading to deficiencies in the design & construction of new courthouses
- Early investigation of the challenges for the use of AV technology indicated it was more complicated than originally anticipated



New Standards & Guidelines for AV & IT in the Courts

AV/IT Infrastructure Task Force Goals

- Realization that leadership required to address challenges in the design and construction
- Guidelines that will be effective and meet needs of the court
- Discover new efficiencies between diverse operations / business units
- Ensure legality and acceptability of recommendations
- Recommendations applicable to other types of justice partners
- Many issues can be learned from other market sectors

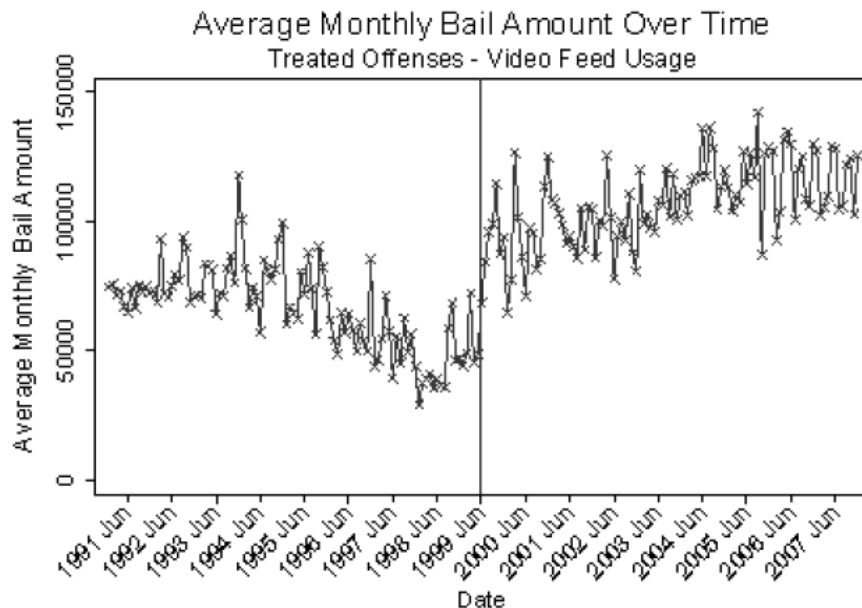
Architects / AV-Consultants / Legal Professionals / Owners/ End-Users



Why Do Standards Matter?

Cook County video bail challenged over defendants' due process

Figure 1



Video hearings had **sharp increase** in average bail amount as compared to live hearings because:

- Use of **poor quality technology**
 - Black & white monitors
 - Video limited to judge & spectators and not the prosecutor or defense counsel
- **Limited opportunity for defense** counsel to consult with clients prior hearings
- **Hearing brevity** did not allow the court to give meaningful, individual consideration

New Standards & Guidelines for AV & IT in the Courts

What Court Leadership Needs to Consider

- Identify challenges performing current work & legal statutes addressing technology
- Explain to architects court operations and future expectations
- Lifecycle of the AV investment – maintenance & operations
- Educate yourself on technology & potential impacts
- Ensure the infrastructure provides for future modification
- Ensure all parties are communicating



What are audiovisual SYSTEMS, anyway?

- People
 - Physiology – ergonomics, hearing, visual response/acuity
 - Psychology – perception, interaction with media vs. live interaction
- Architecture
 - Acoustics, ambient noise, ambient light
 - Physical: sightlines
- Technology
 - Audio: loudness, intelligibility, coverage
 - Visual: contrast, resolution, size
 - Control: interactivity, user interface



New Standards & Guidelines for AV & IT in the Courts

InfoComm is addressing through multiple channels...

- Standards Development
 - Audio, Visual, Control, Documentation
 - Joint Standards Development: ISA 111
- Industry Innovations Task Forces
 - Smart Buildings
 - Job Task Analysis: Smart Building Practitioner
 - BIM: Building Information Modeling
- Education and Training
 - Traditional A/V, AV/IT, Network Security, Live Events
- Professional Certifications
 - CTS, CTS-D, CTS-I, CTS-?
- Collaboration: other Associations



InfoComm International: Research Sponsor



Standards and Industry Innovations



Gateways to Justice – Lessons from Research on Australian Court Processes

Emma Rowden, PhD, Justice Research Group, University of Western Sydney

Anne Wallace, PhD, University of Canberra

**Presentation slides removed at request of speaker*

So, how will AV technology transform tomorrow's court?

- Who will be in the courthouse – and who will participate remotely?
- What will they be doing?
- What gizmos will they be using?
- Will the courthouse grow or shrink?
- How can court design support evolving technology and activities?
- How can the quality of justice partner facilities be improved?
- What information do we need to make good decisions – what research is needed – and who will sponsor it?
 - E.g., how does video impact judicial outcomes?