



Interoperability at the Town of Gilbert

Agenda

- Usage of MAG RVS system
- Fire Department's IP videoconferencing system
- Enterprise wide integrated networked Security Systems
- Geo-spatial Data Sharing
- Communications
- Inter-agency interoperability
 - Fire
 - Police
 - Sharing resources with other municipalities

MAG Regional Videoconferencing System

- Implemented during first phase of the Regional Videoconferencing System.
- Used for regional government and MAG meetings and functions
- Used to conference outside agencies and businesses including a Midwest architectural firm in the design of the Gilbert Public Safety Complex

Fire Dept. IP Videoconferencing

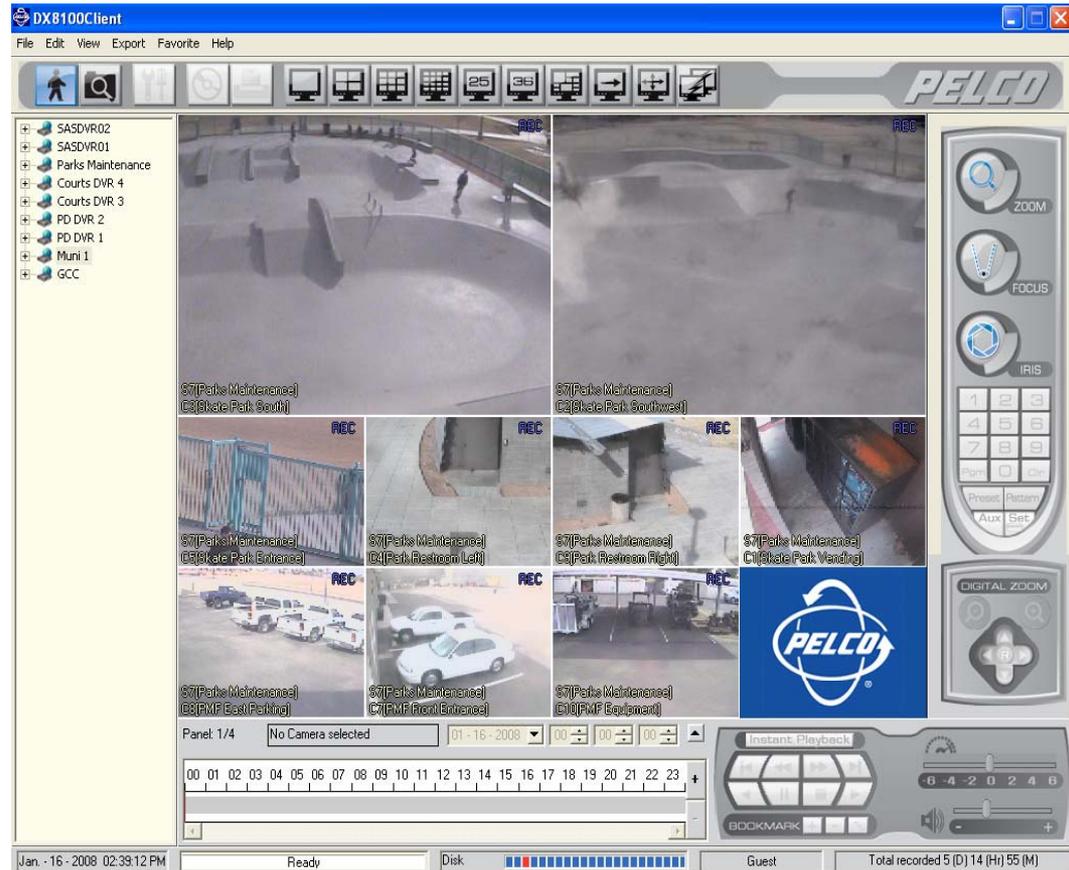
- Polycom MGC+50 Conferencing Bridge expandable to 16 endpoints and various options. Upgraded to this unit in April '07.
- 10 current endpoint/cameras using Polycom ViewStation and VSX7000 units.
- IP based system requiring 100 Meg full duplex network connectivity.
- Desktop software client enabling Fire Dept. staff to schedule their own multipoint conferences along with Technology Services backup support.
- Separate Meeting Room functions allow Fire Stations to multipoint conference to each other. Point to Point conferences allowed by simply using camera's preset address book and remote control.

IP Videoconferencing

- Web browser interface allows PowerPoint and other PC based presentations to be viewed during conferences
- System configured for meetings between Fire Administration and all Gilbert Fire Stations for general information, updates, training and other Town functions such as Town Manager Forums. Allows staff to remain at Stations ready for calls
- All Polycom equipment used is on Arizona State Contract including local vendor
- Joint effort between Fire Dept. staff and Technology Services. Fire Department recently recognized as a High Performing Department by the Town's Continuous Quality Improvement committee for use of this system in keeping themselves informed

Security Systems

- Standardized security systems for interconnectivity using Town network
- Security cameras at Town buildings can be viewed and controlled by Police Dept. at central and other locations
- Video archives, operations and maintenance can be accessed and monitored with this connectivity



Geo-spatial Data Sharing

- All Gilbert departments utilize one centralized map for all functions.
- Gilbert map data is updated continually and rolled out monthly.
- Updated map information shared with adjoining municipalities to create a single map for all Fire dispatching.
- Same map is used to create police dispatch and mobile mapping.

Communications

- Utilize multiple transport media – fiber, microwave, QMOE, Sprint EVDO – to create an integrated campus environment.
- Mobile communications
 - Sprint data link to police cars nationwide data coverage high speed EVDO
 - Terminal services put full functional system in cars for field and office interoperability
 - Real time GPS map information of all active public safety units easily available
- Fiber Optic Network
 - ATMS, Municipal service, schools, private sector

Inter-agency interoperability

Fire

- Queen Creek advanced their plans for the creation of a municipal fire department from five years to one year. Gilbert has offered assistance during the transition. An intergovernmental agreement (IGA) between Queen Creek and Gilbert Town Councils enables Gilbert to provide interim fire and emergency medical services (EMS) in Queen Creek for one year beginning Jan. 1, 2008.
- Queen Creek, Mesa and Gilbert collaborated to startup a new Fire station in Queen Creek on January 1st 2008 given a 30 day go-live deadline.
- Mesa provides Fire dispatch for both Gilbert and Queen Creek.
- Each one will provide automatic mutual aid. This is important in the event of major tragedies as other agencies' fire departments can cover and support each other.

Inter-agency interoperability

Police

- East Valley Police Chiefs have formed an association to share resources and information.
- Regular Cad/RMS user group meetings with surrounding Intergraph using agencies.
- InterCad software allows us to share our unit location and dispatch calls with Mesa.
- Allows Mesa and Gilbert patrols to communicate with each other.
- Allows both agencies' Police and Fire to coordinate events.
- Allows Mesa and Gilbert dispatch centers to communicate with each other real time.
- Planned Systems such as Coplink and Fusion Center – Allow agencies to share data. Allows agencies to investigate criminal activity in surrounding cities.

Inter-agency interoperability

Sharing resources with other municipalities

- Waste water treatment facilities shared with Mesa
- Chandler shares fuel distribution, car wash and fleet maintenance at shared site
- New potable water facility is shared with City of Chandler
- Gilbert and Maricopa share county libraries
- Partnership with Gilbert Public Schools to put municipal pools in public schools for joint year round use.