FleetLynx Public Safety

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1 Public Safety and Wireless

Municipalities around the world are demanding metro-wide wireless networks providing ubiquitous broadband coverage to enable public safety applications. This network allows applications to be moved from the office to the field. The police department, fire department, paramedical assistance and other agencies would have the ability to access central databases, share files from the field and use advanced applications (such as face recognition, fingerprints, video and voice over IP) from anywhere and at anytime.

Some of the benefits of ubiquitous connectivity include:

Deployability, Flexibility, Reliability, and Cost-Effectiveness

- Restoring communication links to areas impacted by natural disasters.
- Rapid deployment of mobile assets to distressed environments.
- Provides ability for remote real time video, internet access, and voice links between a central command post and field operations.
- Enhanced Surveillance.
- Cost-effective and efficient alternative to wired connections for transmitting high bandwidth video data from cameras mounted in large public gathering spaces.

2 Public Safety Applications

2.1 Remote Applications

Wireless allows for surveillance of large public areas (neighbourhoods, malls/shopping complexes, parks and playgrounds, busy traffic junctions). By equipping a network of cameras with wireless connectivity one is able to link to a central security observation deck. This allows for a single management location for remotely distributed network elements.

2.2 Emergency Applications

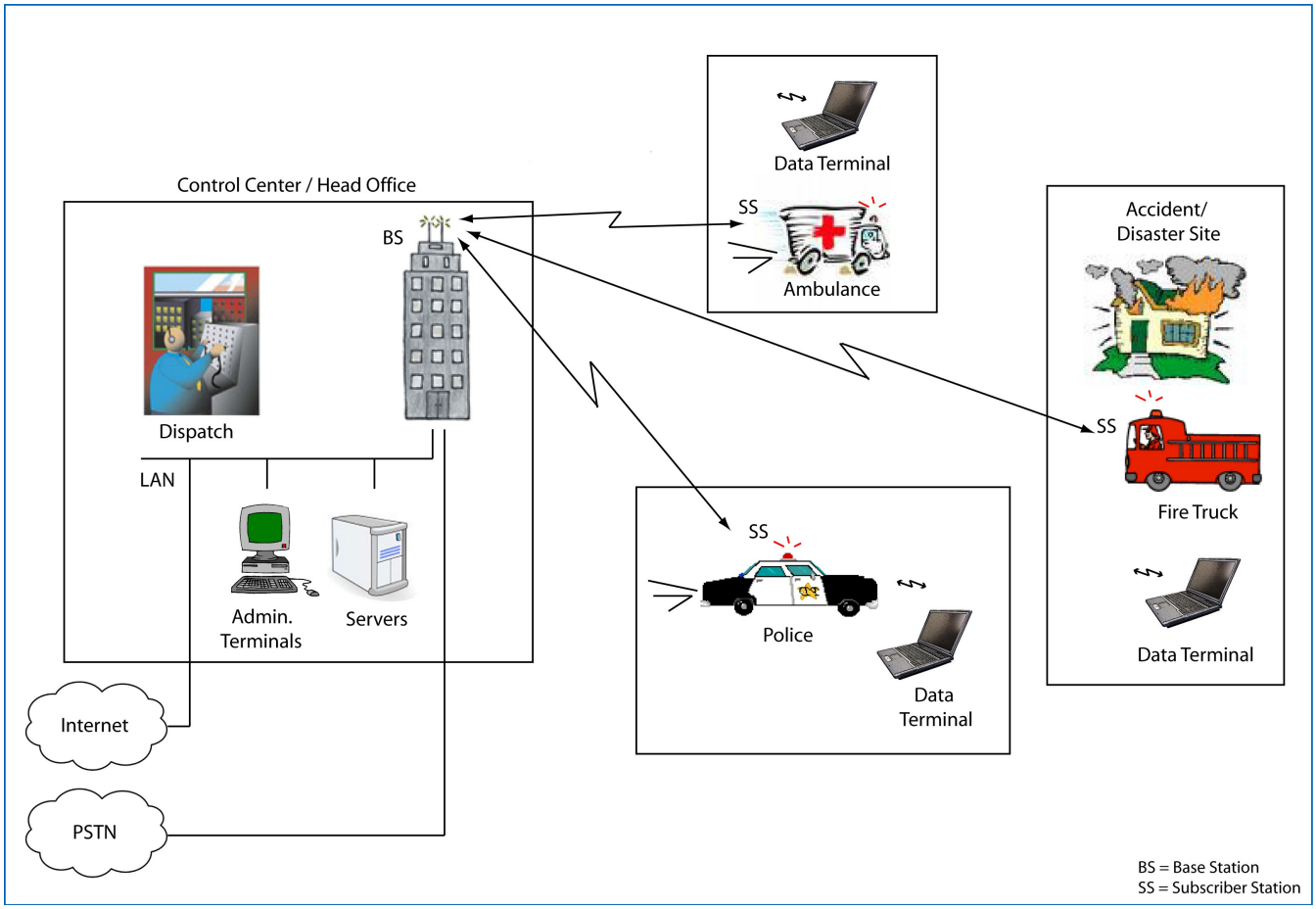
Fire engines fitted with mobile AMG equipment can provide communication, instruction and interaction with other surrounding fire departments, fire engines, hospitals, media stations and civilians who can then respond more effectively. This allows:

- Nomadic, high throughput broadband to download GIS, building blueprints in real time at the remote emergency location.
- Computer Aided Dispatch to coordinate proper and timely emergency unit response.

FleetLynx technology can also be used to enhance the security of common public gathering spaces

- No cables need to be laid out – the camera locations can be moved as necessary based on demand and observed demographic distribution.
- Set-up and take down can be accomplished on an as needed basis to support temporary locations.
    - New building or construction sites.
    - Festivals, concerts, meetings, etc.
    - Ballot locations during elections.

Government public safety agencies, such as police, fire, and search and rescue, can use cellular networks to support response to medical and other emergency situations, as illustrated below:



In addition to providing two-way voice communications between the dispatch centre and on-site emergency response teams, the network relays video images and data from the site of the accident or disaster to the control centre. This data can be relayed to expert teams of medical or emergency staff, who can analyze the situation in real-time, as if they were on site.

Photographs, fingerprints, structural diagrams, telemetric information, voice calls, and video feeds can be transmitted over cellular or 802.11 wireless networks. E-mail and other Web-based applications are supported as well, giving personnel in the field mobile access to all the information and resources available through their wired networks.

As a result, public safety professionals can make faster, more informed decisions, potentially saving lives and property. They can also save considerable time filing reports and taking care of other administrative tasks, avoiding the need to transfer data between department servers and vehicle computers using floppy disks. With so many tools at their disposal, public safety personnel can be more self-reliant, easing the burden on dispatchers and other support staff.