Mobile Incident Tracking and Management

Using GIS for Incident Response and Analysis
• Providing active incident and response unit location information to emergency response personnel on mobile devices increases field situational awareness. Sitstat (Situation Status) is a tool deployed at Alameda County to deliver incident and site specific information to emergency responders. Initially deployed for the multi-agency Communications Center (ACRECC) for fire and paramedic responders, expansion includes tracking of sheriff and additional agencies, thus expanding the relevance of the Common Operating Picture.
Presenters

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SitStat as a Common Operating Picture

- In production within ACRECC for over a year
- Provides access in the field and office to
  - Incidents
  - Driving directions
  - Traffic
  - Dispatcher notes
  - Units
  - Pre-plans
  - GIS data
- Direct CAD and GIS integration
- Mobile device compliant
- Secured access, shared by many
Key Features and Benefits

**Filter**

- User personalization to focus SitStat to user’s responsibility
- Filters table and map content
- Flexible for many roles
- Essential for regional and multi-discipline installations.
Key Features and Benefits

Move up

• Alerts user when station areas are empty
• Escalating alert based on contiguous areas
• Enables BC to “see” a specific coverage area
Key Features and Benefits

Dispatcher notes convey critical details

• Click to access
• No longer limited to radio translation
• Adds huge value for first responder
EMS Use Case

• Show EMS zones and posts
• Supervisors see at a glance how many units are in zones
• Used to manage resource backfilling, breaks, using visual map queues
Site Plans

- Site plans are representations of sites showing critical emergency responder information.
  - Knox box
  - Standpipes
  - Locked gates
  - Access locations
  - Room number
  - Water Supply
- Historically managed in binders in First Responder vehicles.
- Now accessible to any SitStat user – current, shared, fast access
Interagency Use Case

- Multiple CAD subscribers improve interagency response coordination
- Subscriber types may be varied
  - Fire
  - Police
  - EMS
  - Public Works
- SitStat is a simpler approach than CAD to CAD integration, solving key interagency coordination challenges
Sheriff Integration

• Adding Alameda County Sheriff to Regional Fire SitStat
• View Sheriff units and incidents with Fire and EMS
• Enhanced security interface to control access
Emergency Operations Center

- Sheriff, Fire, and EMS incidents and units will be available
- Common Operating Picture – vital for resource allocation
- Resource locations not previously accessible in EOC
- Integrating with vast repository of resource and hazard GIS layers
Live Markup

• Use markup tools for site / incident markup
• Attach photos and documents
• Amplifies the value of site plan online sharing – better communication and coordination
Deployment and Use

Impact on operations and staff

• Impact on field staff
• New data management perspectives
• Expectations for further development and use of mobile technology.