



Software products and services for analytic risk management

A background image on the left side of the slide, showing a complex, multi-layered wireframe structure of a building or architectural framework in shades of blue and white.

Sonoma County Fire Chief's Association

April 10, 2013

About Digital Sandbox

What We Provide: Advanced analytic software that allows organizations to monitor and prioritize the threats that put their enterprise at risk.

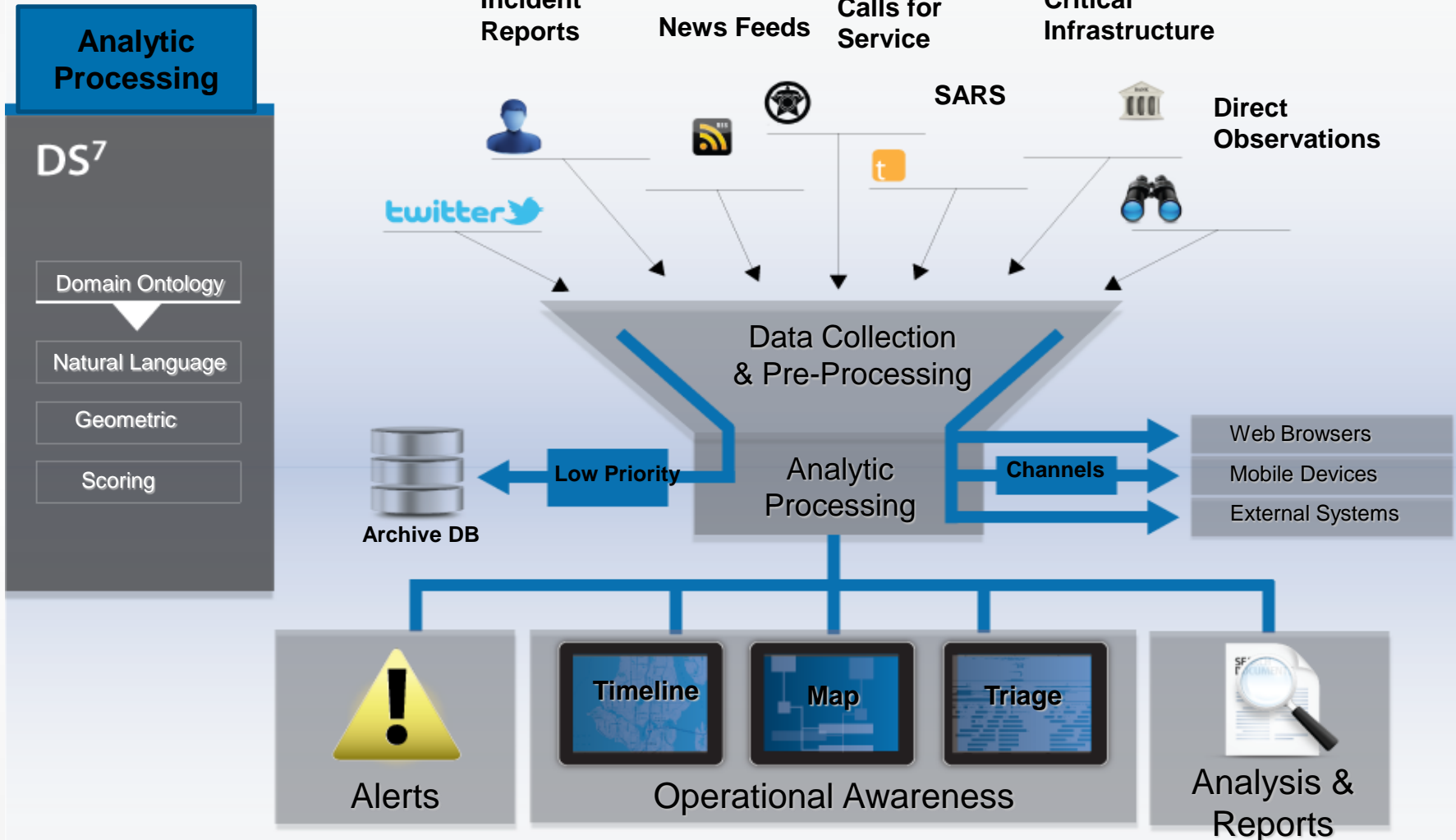
To Whom: Federal, State and Local Governments, Public Safety Agencies and high profile private organizations

To Do What: Our solutions allow our customers to ingest, fuse, analyze and visualize real-time data to illuminate priority threats and take decisive action.

Digital Sandbox - Highlights

- **Developed the risk methodologies** used by U.S. Department of Homeland Security (DHS) to evaluate critical infrastructure.
- **Developed proprietary algorithms which are protected** by three U.S. patents for methods and tools used in risk management.
- **Developed the quantitative threat process** used by DHS's Office of Intelligence and Analysis to prioritize threats to U.S. cities, ports, transit systems, and states.
- **Chosen by host cities of national major events** - Super Bowls, NBA All-Star Games; Major League All-Star Games, Indy 500, America's Cup and others to manage event risk and security.
- **Selected by the largest private foundation** in the world to protect their principal executives.

DS7 - Analyzes Information for Priority and Relevance






DS7 – Data Visualization

DS7 provides three different perspectives on the monitoring of operational information:

1. Geospatial monitor
 - Sites
 - Calls for Service
 - Field Reports
 - Events
2. Feed monitor
 - Calls for Service
 - Field Reports
 - News Feeds
 - Twitter Feeds
3. Timeline monitor
 - Events
 - Field Reports
 - Feeds

DS7 – Geo Monitor View




Search Entire System   Inbox  S

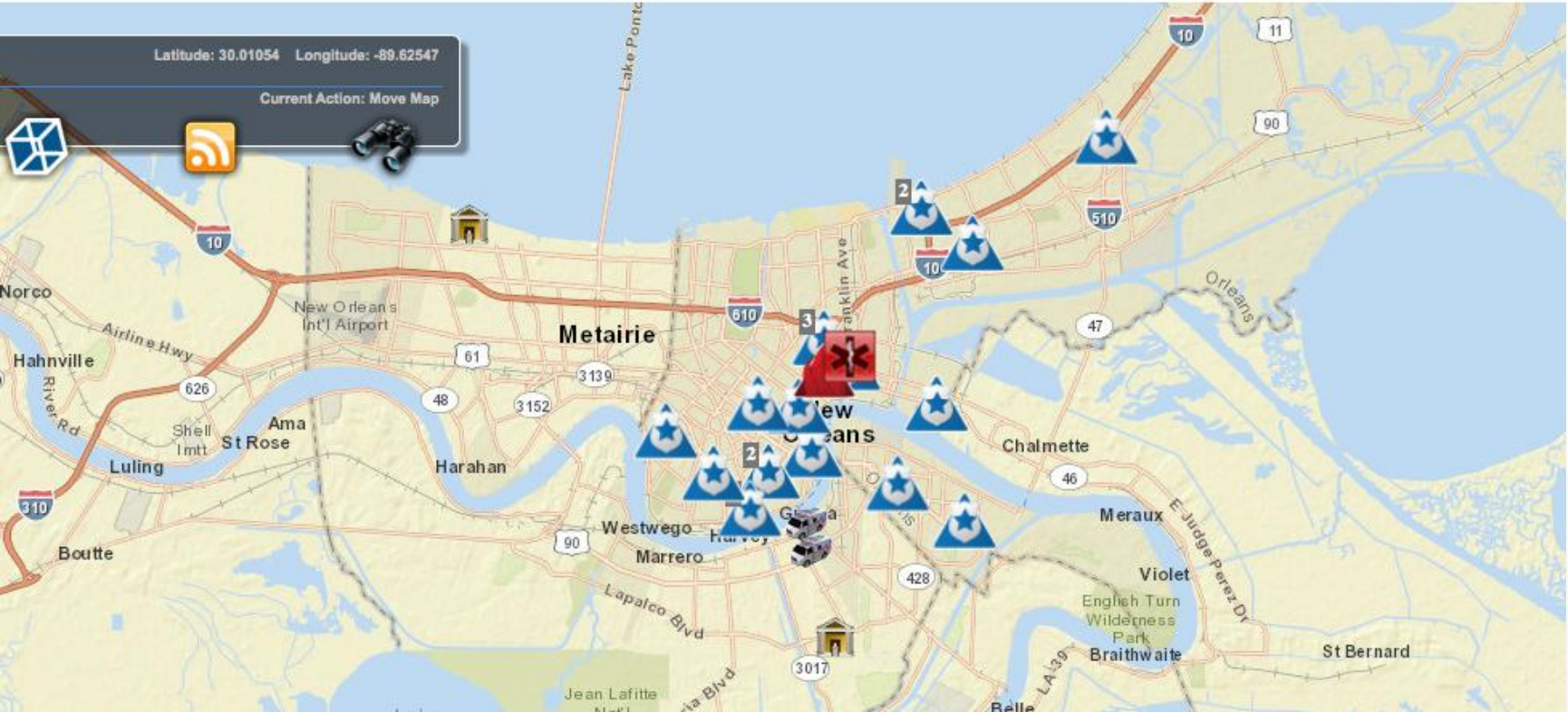
Analysis | **Monitoring** | Administration

Timeline Monitor





































Latitude: 30.01054 Longitude: -89.62547

Current Action: Move Map



DS7 – Feed Monitor View

FIRE FIRE ALARMS (RESIDEN 2122 N ROBERTSON ST - Sun 2/17/13 5:16 PM (9 minutes ago)	 
POLICE MUNICIPAL ATTACHMENT ELYSIAN FIELDS AVEandI-610 E - Sun 2/17/13 5:16 PM (9 minutes ago)	 
POLICE NOISE COMPLAINT 2326 FRENCHMEN ST - Sun 2/17/13 5:15 PM (9 minutes ago)	 
POLICE COMPLAINT OTHER 501 N RAMPART ST 1ST DISTRICT - Sun 2/17/13 5:15 PM (10 minutes ago)	 
EMS SICK PERSON (SPECIFI 1939 ALMONASTER AVE - Sun 2/17/13 5:14 PM (10 minutes ago)	 
POLICE BURGLAR ALARM, SILEN 3551 RUE MICHELLE RESD/MARTIN - Sun 2/17/13 5:14 PM (11 minutes ago)	 
POLICE BURGLAR ALARM, SILEN 6117 SAINT CLAUDE AVE LIGHT CITY CHURCH - Sun 2/17/13 5:11 PM (14 minutes ago)	 
POLICE DOMESTIC DISTURBANCE 6810 CURRAN BLVD - Sun 2/17/13 5:10 PM (15 minutes ago)	 
POLICE THEFT 890 CONVENTION CENTER BLVD CONVENTION CENTER HALL B - Sun 2/17/13 5:08 PM (17 minutes ago)	 
POLICE COMPLAINT OTHER 3312 MAGAZINE ST - Sun 2/17/13 5:07 PM (18 minutes ago)	 
POLICE NOISE COMPLAINT 2324 FRENCHMEN ST - Sun 2/17/13 5:06 PM (19 minutes ago)	 
POLICE DISTURBANCE (OTHER) 4715 FRANCISCO VERRETT DR - Sun 2/17/13 5:06 PM (19 minutes ago)	 
POLICE SIMPLE BATTERY 2424 TULANE AVE CAPRI MOTEL - Sun 2/17/13 5:05 PM (20 minutes ago)	 
POLICE DISTURBANCE (OTHER) 2419 VALENCE ST - Sun 2/17/13 5:04 PM (21 minutes ago)	 
POLICE COMPLAINT OTHER 1701 FRANKLIN AVE FAMILY FARM - Sun 2/17/13 5:04 PM (21 minutes ago)	 
POLICE BURGLAR ALARM, LOCAL 2132 PACE BLVD - Sun 2/17/13 5:04 PM (21 minutes ago)	 
POLICE FIGHT DRYADES STandWASHINGTON AVE - Sun 2/17/13 5:02 PM (23 minutes ago)	 
POLICE DISTURBANCE (OTHER) 3814 ANNUNCIATION ST - Sun 2/17/13 5:02 PM (23 minutes ago)	 

DS7 – Time Line View



DS7 Field Tools - Command Situational Awareness



Mobile Command: Allows field personnel to see tailored “channels” of threat and risk information on a tablet and the App can be customized by the user.



Mobile Monitor: Allows field personnel to see prioritized information channels on a Smart Phone or Tablet.



Mobile Indicator: Allows field personnel to see and submit field intelligence on a Smart Phone and allows field personnel to track team members.

Folsom Live

- Saturday - September 22, 2012
- 15 bands
- 5 outdoor stages
- Held within Historic Folsom District on Sutter Street
- Estimated crowd of over 9,000 people



Decision to use DS7 Special Events

- Decision was made in early September, 2012
 - Event occurred on Sept. 22
- Goals were to integrate Police CAD
- Deploy up to 6 or 7 Mobile Indicators for each Police and Fire
- Twitter Feed
- Enter Events
- Monitor the event from the Mobile Command
- Enter scheduled events

Folsom Live - Deployment

- Mobile Field Command Unit Deployed
- Unified Command Utilized
- Folsom Police Incident Commander
Commander Rick Hillman
- Folsom Fire Incident Commander
Division Chief Dennis Wycoff
- Folsom Chamber of Commerce Incident Commander
Various

DS7 Mobile Indicators

Mobile Indicator Deployment: 4 Police and 2 Fire

The screenshot shows the 'FOLSOM POLICE FIELD REPORTER' app interface. At the top, the status bar displays 'Verizon', signal strength, Wi-Fi, time '2:00', and battery '98%'. The app header includes the 'Digital Sandbox' logo and a title bar with a yellow police star icon and the text 'FOLSOM POLICE FIELD REPORTER'. Below the title bar, there is an 'Add image' button on the left and a map on the right showing a street grid with labels 'W 96th St', 'W 98th St', 'W Century Blvd', 'Legal', and 'W'. A blue location pin is placed on the map. Below the map, there are two input fields: 'Activity Type' with the prompt 'Touch here to select' and 'Description' with the prompt 'Touch here to enter an optional description with additional details'. At the bottom, there is a large blue 'Submit' button.

The screenshot shows the 'FOLSOM FIRE FIELD REPORTER' app interface. At the top, the status bar displays 'Verizon', signal strength, Wi-Fi, time '2:01', and battery '98%'. The app header includes the 'Digital Sandbox' logo and a title bar with a red fire Maltese cross icon and the text 'FOLSOM FIRE FIELD REPORTER'. Below the title bar, there is an 'Add image' button on the left and a map on the right showing a street grid with labels 'W 96th St', 'W 98th St', 'W Century Blvd', 'Legal', and 'W'. A blue location pin is placed on the map, and a blue circle highlights the area around the pin. Below the map, there are two input fields: 'Activity Type' with the prompt 'Touch here to select' and 'Description' with the prompt 'Touch here to enter an optional description with additional details'. At the bottom, there is a large blue 'Submit' button.

Drink individual sleeping on Traders Lane [edit]

Activity Type: Disorderly
Configuration: Folsom Police Indicator
Date Submitted: Sun, 23 Sep 2012 02:19:20
Author username: cemery
Author email:
Author name:
Author phone:



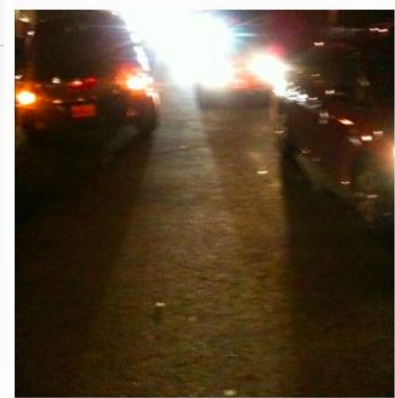
Activity Type: Parking Violation Description: Fire hydrant obstructed- Wool & Figuroa-grey BMW CA 5JZ461 8:39PM 9/22/12 [edit]

Activity Type: Parking Violation
Configuration: Folsom Fire Indicator
Date Submitted: Mon, 24 Sep 2012 07:44:52
Author username: jhaberek
Author email: jhaberek@folsom.ca.us
Author name: Jhaberek
Author phone:



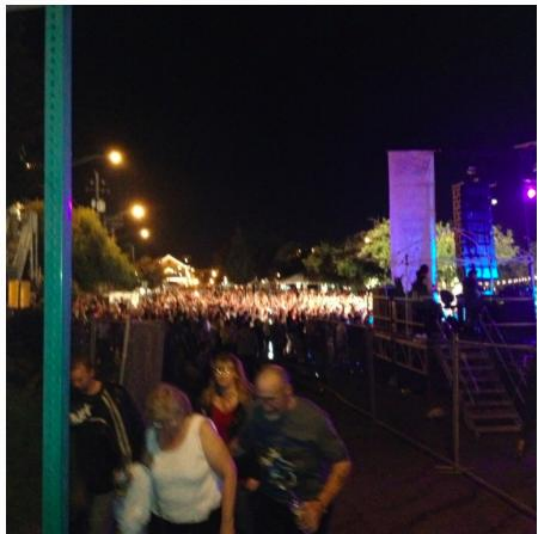
Taxis lining up on n/b Riley [edit]

Activity Type: Traffic
Configuration: Folsom Police Indicator
Date Submitted: Sat, 22 Sep 2012 23:51:18
Author username: bbradshaw
Author email:
Author name:
Author phone:



Biggest crowd is on trader lane. [edit]

Activity Type: Crowd Size
Configuration: Folsom Fire Indicator
Date Submitted: Sat, 22 Sep 2012 20:04:20
Author username: dwycoff
Author email: dwycoff@folsom.ca.us
Author name: Dennis Wycoff
Author phone: 9167167450



Powerhouse stage [edit]

Activity Type: Crowd Size
Configuration: Folsom Fire Indicator
Date Submitted: Sat, 22 Sep 2012 19:29:42
Author username: Jhaberek
Author email: jhaberek@folsom.ca.us
Author name: John Haberek
Author phone: 916-716-7420



People on balcony of Opera House throwing stuff (t-shirts?) into crowd. [edit]

Activity Type: Check In
Configuration: Folsom Fire Indicator
Date Submitted: Sat, 22 Sep 2012 19:33:32
Author username: Jhaberek
Author email: jhaberek@folsom.ca.us
Author name: John Haberek
Author phone: 916-716-7420



Benefits of DS7 Utilization

- Better coordination between police and fire
- Able to document promoter violations in the contract
- Better situational awareness

Thank you

DS7 Fire Pre-Incident Assessment Report

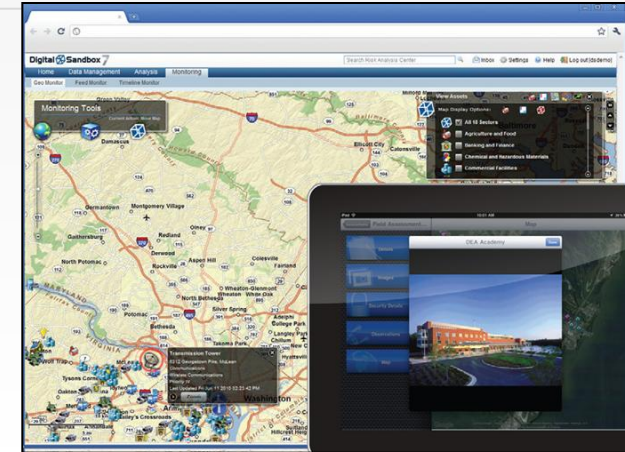
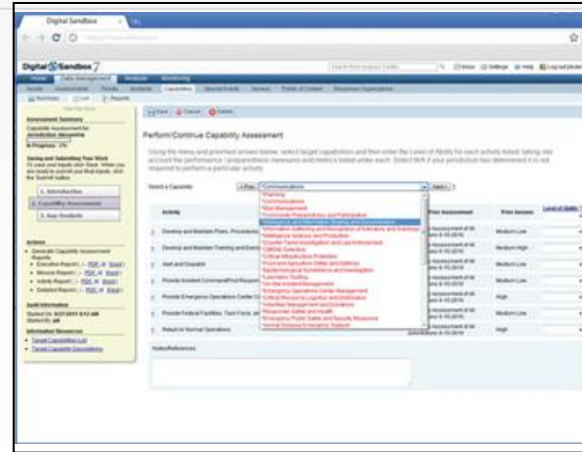
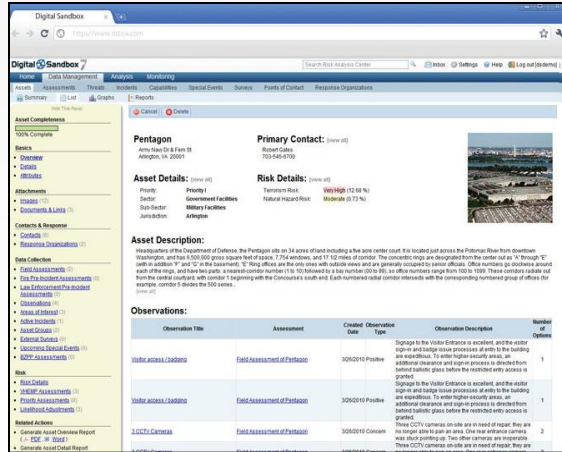
Following the National Fire Protection Association (NFPA) Form 1620 the DS7 system allows users to collect and evaluate electronically the following data of a particular location:

- Physical elements
- Site considerations
- Number and type of building occupants
- The available water for fire fighting purposes
- Consider any special circumstances based on the type of occupancy (e.g., health care, residential, assembly, etc.)

DS7 Fire Pre-Incident Assessment Report (cont.)

- Develop instructions for responding to unusual hazards
- Ability to enter
 - Pictures that are geo-coded
 - Diagrams and Floor Plans
- Create procedures for
 - Preparation
 - Presentation
 - Communication
- Aids personnel responding to emergency incidents
- Document and disseminate findings
 - Electronically
 - Written Report

DS7 Fire Module - Details



Pre-Incident Fire Assessments
Fully configured fire-planning
work flows and wizard driven
interface makes the system easy
to use and deploy

Response Monitoring and Reporting
Real time monitoring of response
operations and printed assessment
reports

Requirements

- Online management of pre-fire plans – streamlines process, makes it easy to add information as needed and enables easy deployment to a large community of users
- Ready to be integrated with existing systems – including CAD, AVL and local calls for service
- Real time monitoring of response activities – from command center and mobile applications provide true 360-degree situational awareness on the ground
- One click printing of formatted pre-fire plans – for onboard storage on fire trucks and response vehicles

DS7 Fire Module - Details

Digital Sandbox 7 Search Risk Analysis Center [Inbox] [Settings] [Help] [Log out (jdem0)]

Home | Data Management | Analysis | Monitoring

Assets | Assessments | Threats | Incidents | Capabilities | Special Events | Surveys | Points of Contact | Response Organizations | Indicator Reports

Summary | List | Reports

Save | Cancel | Delete

Introduction

View Asset Details | Next Section

Digital Sandbox 7 Search Risk Analysis Center [Inbox] [Settings] [Help] [Log out (jdem0)]

Home | Data Management | Analysis | Monitoring

Assets | Assessments | Threats | Incidents | Capabilities | Special Events | Surveys | Points of Contact | Response Organizations | Indicator Reports

Summary | List | Reports

Save | Cancel | Delete

Documents & Images

Section Complete

Documents/Files

Attach Document

Title	Type	Upload Time	Comments	
2011 Site Plan	Fire Pre-Incident Site Plan	5/15/2012 10:49:00 AM -05:00	2011 Edition	Edit Delete
Floor Plans	Fact Sheet	3/12/2010 4:21:07 PM -05:00		Edit Delete

Items 1-2 of 2

Links


Attach Link

Title	URL	
DEA Contact Information	http://www.justice.gov/dea/contactinfo.htm	Edit Delete


Items 1-1 of 1

Images


Upload Image




Building close-up



Campus



Roof



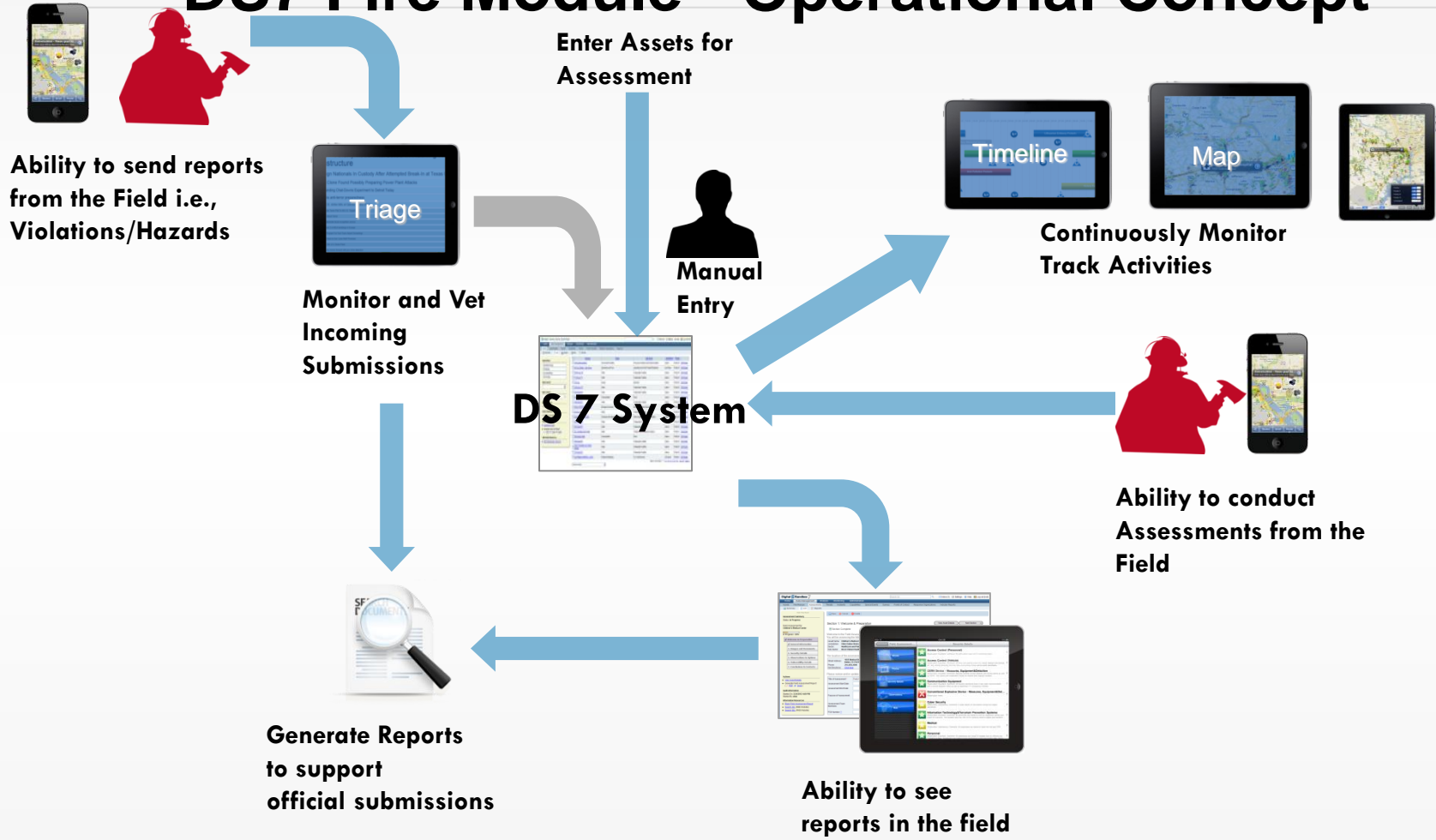
Area Map

DS7 Fire Module - Mobile Assessment

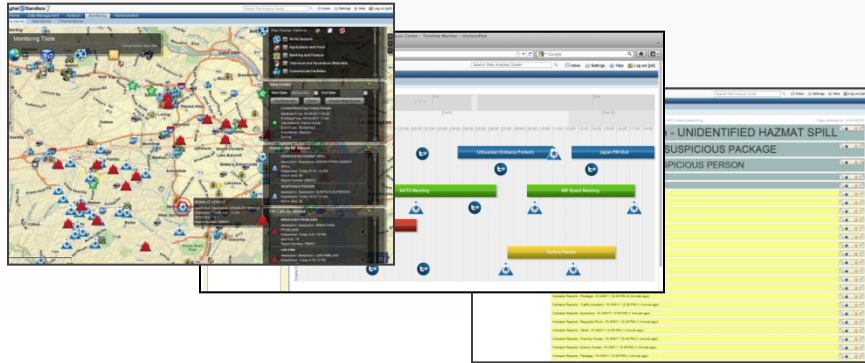


- The Mobile Assessor gives users the ability to directly participate in site visits on hand-held IOS devices
- Data form is built into the application
 - geo-locate photographs
- All data is instantly transmitted to the server
- Available for download for iPhone and iPad at iTunes store

DS7 Fire Module - Operational Concept



Command Situational Awareness in Centers/in the Field



**Ability to monitor in
Command Centers and
EOCs (no limit to nb. of
deployments)**

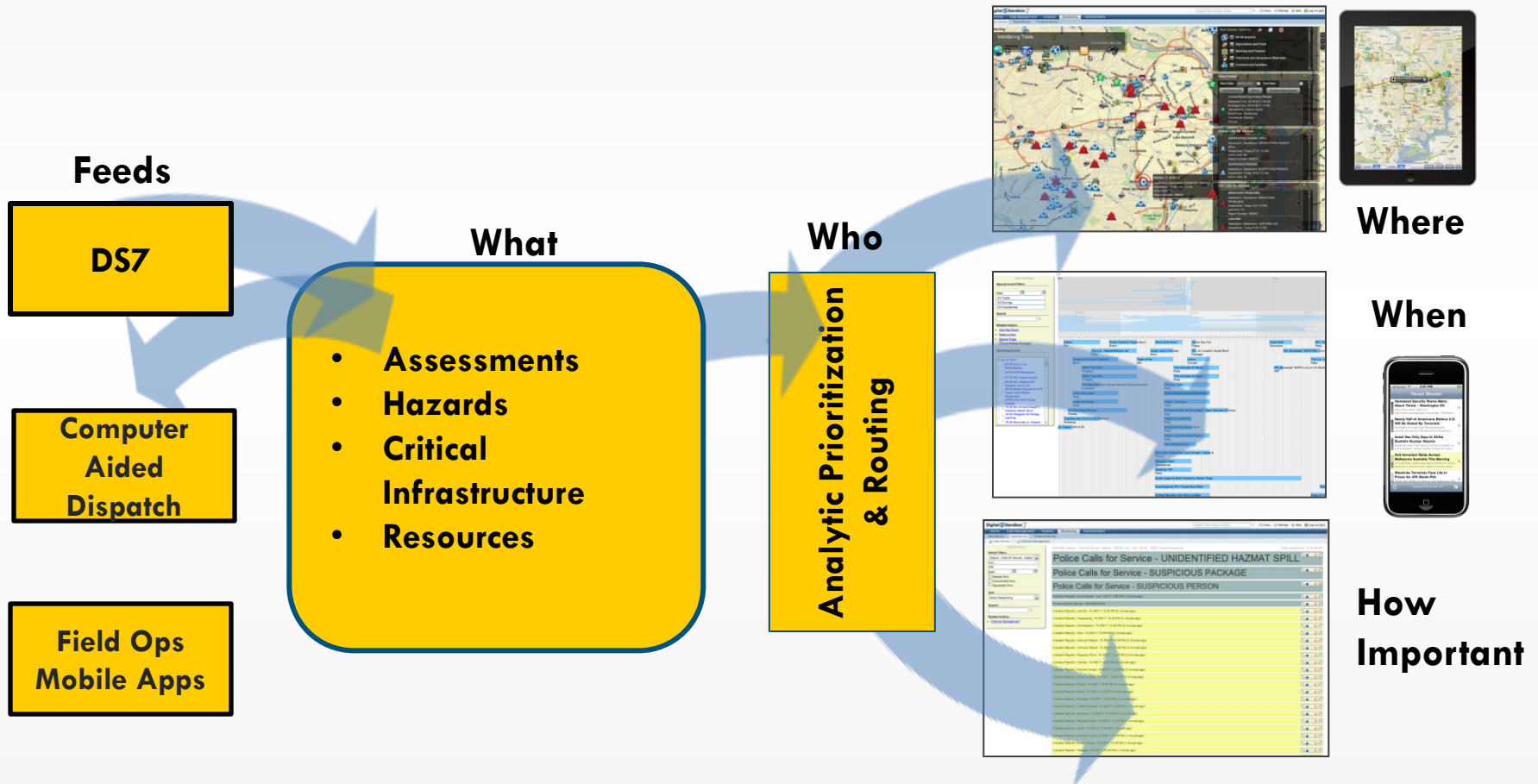


**Field and Executive Commanders
monitor from the field using mobile
devices, with ability to see
assessments to include pictures
and diagrams**



DS7 Fire Module – Command Situational Awareness

****Analytically Fused and Prioritized NFPA 1620 Information****



DS7 Fire Module – The Benefits

- Takes the Pre-incident Fire Plan out of file cabinets and into hands of all first responders
- The geo-monitor allows display of
 - Pictures
 - Diagrams
 - CAD Calls
 - Observations
- Regardless of personal knowledge of site all responders have the same information.