Command & Control Concepts
Create a new culture...start........NOW!

Clearly Defined Concept of Operations

Think out of the box
- Utilizing existing infrastructure
- Adopt existing successful methodologies

KISS Principle Wont Always Work
What Do I Need?

The Elements...

- Concept of Operations
- IT Platform
- Visualization
- Information Management
- Interoperability
- Net-workability

Global Situational Awareness
Platforms

Opportunity to Migrate as Technology Changes
Visualization

What do you need to see from a security posture?

Impossible to monitor everything everywhere

Let your system help you see MOST of what you need to see
Information Management

An effective system will deliver the right information to you when you call for it.

Rapid collection, transfer, and dissemination of information means the difference between life and death and/or loss of revenue

Information overload hinders security
Unfiltered information is not information its raw data

An effective system provides information you need without asking for it.
“hey system...tell me something I don’t know”
Interoperability

If my system can communicate with other systems I become...

Better Protected
More Prepared
Able to Respond Effectively
Able to Recover Quicker
Network?

Common Operational Picture

You see what I see if I want you to see it.

I see what you see if you want me to see it.
Global Situational Awareness

GSA

We are no longer isolated

Important part of preparedness

Critical in response

Critical in recovery
National Incident Management System (NIMS)

Flexible
Standardized

NIMS provides a systematic, proactive approach to guide departments and agencies at all levels of government, nongovernmental organizations, and the private sector to work seamlessly to prevent, protect against, respond to, recover from, and mitigate the effects of incidents, regardless of cause, size, location, or complexity, in order to reduce the loss of life and property and harm to the environment.
Why is this relevant to my technology?
People

SMEs

Engineers

XML SCHEME

MAPPING

APPLICATION CODE

XML DOCUMENTS

MESSAGE QUEUE

DRIVER I

DRIVER II

DATABASE I

DATABASE II
What We Do

We Architect and Build the Most Thought Out, Technologically Advanced Event, Command & Control Systems on the Planet.

Our systems enable NRF, NIMS, and ICS informational, analytical, and visualization sharing and decision support among existing commercial and government technologies used across the country to prevent, protect, respond, and recover from natural, technological, and terrorist events.

We Do Things Better
The **National Response Framework** “presents an overview of key response principles, roles and structures that guide the national response.”

Introducing the National Response Framework, September 2007

The **National Incident Management System** “provides a systematic, proactive approach guiding departments and agencies at all levels of government, the private sector, and nongovernmental organizations…”

National Incident Management System, August 2007

The **Incident Command System** “is used to organize on-scene operations for a broad spectrum of emergencies from small to complex incidents, both natural and manmade.”

National Incident Management System, August 2007
Unified Incident Command and Decision Support Guides the Information Sharing and Decision Making as required by the NRF, NIMS, and ICS

Need to Explain Where PR Fits
Current Command Structure

Federal

Local

State
Unification With TACCS

Federal

Local

State