



HIGH ALERT

The Secret of NIMS

Planning for the NASA Mission

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Chairperson American Board of Disaster Medicine

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Disclaimer

- The opinions expressed in this presentation are those of the speaker and do not reflect the opinion of the Department of Homeland Security, the National Disaster Medical System, the American Board of Disaster Medicine, NASA or any other public or private agency.

*“If someone else blows your horn
it is heard twice as far.”*

-- Mark Twain

*“We have only the evidence for the prosecution.
Now to my mind this is irregular.*

It is un-English...

It is un-American...

It is French...”

-- Mark Twain

In the Beginning There Was Darkness

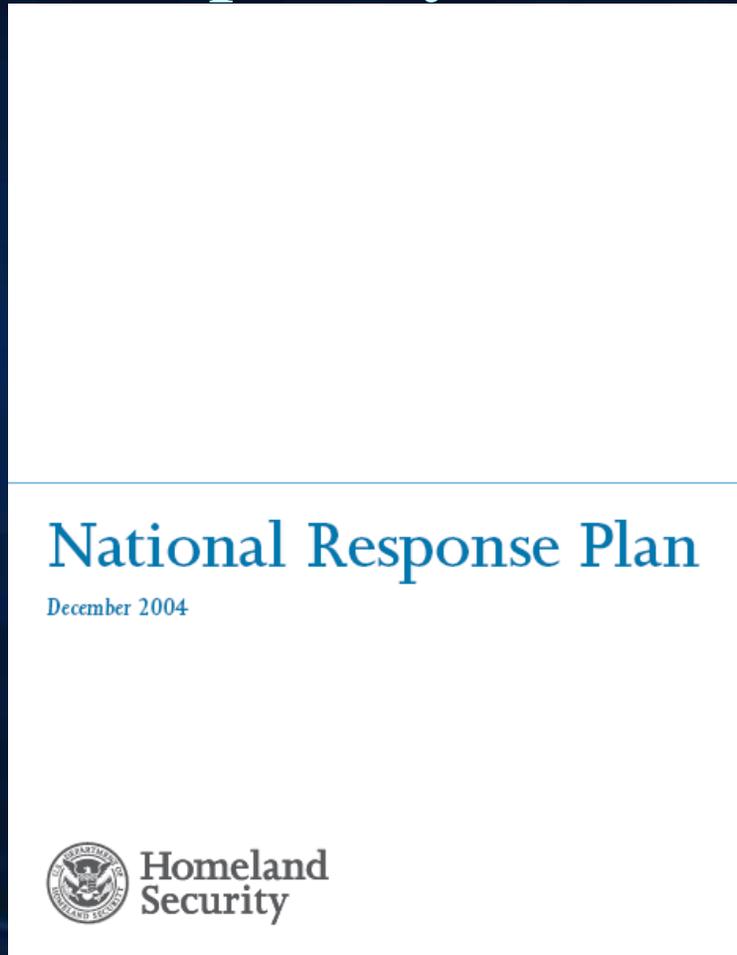
- Multiple Federal, State and Agency Plans
 - No Interoperability
 - No Common Mission, Goals or Authority
 - No Common Chain of Command
 - No Common Communication System

...and into the Darkness Came NRP”

- National Response Plan (December 2004)
 - All Hazards / All Agencies
 - Defines the Function and Responsibility of Each Organizational Element under NIMS
 - Administrative (Thinkers)
 - Logistical (Getters)
 - Financial (Payers)
 - Operational (Doers)

...and NRP was

Completely Without Substance



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...and Out of NRP Came NIMS”

- National Incident Management System
 - Framework for Incident Command
 - Single Common Command Structure
 - Common Organizational Structure
 - Outline for Disaster Response Planning
 - Mandates Classification of Resources

...and NIMS was

Without Form or Function

NATIONAL INCIDENT
MANAGEMENT SYSTEM

March 1, 2004



...and into the Void Came

ASP's & ESF's

- Agency Specific Plan (ASP)
 - Agency Specific Plan for Response to Local or Internal Agency disaster, incident or event
 - Must be updated to provide for interaction with the Regional Response Coordination Center (RRCC)
- Emergency Support Function (ESF)
 - Region specific agency function in response to a disaster, incident or event



...and Darkness was Again Upon
the Faces of the Responders

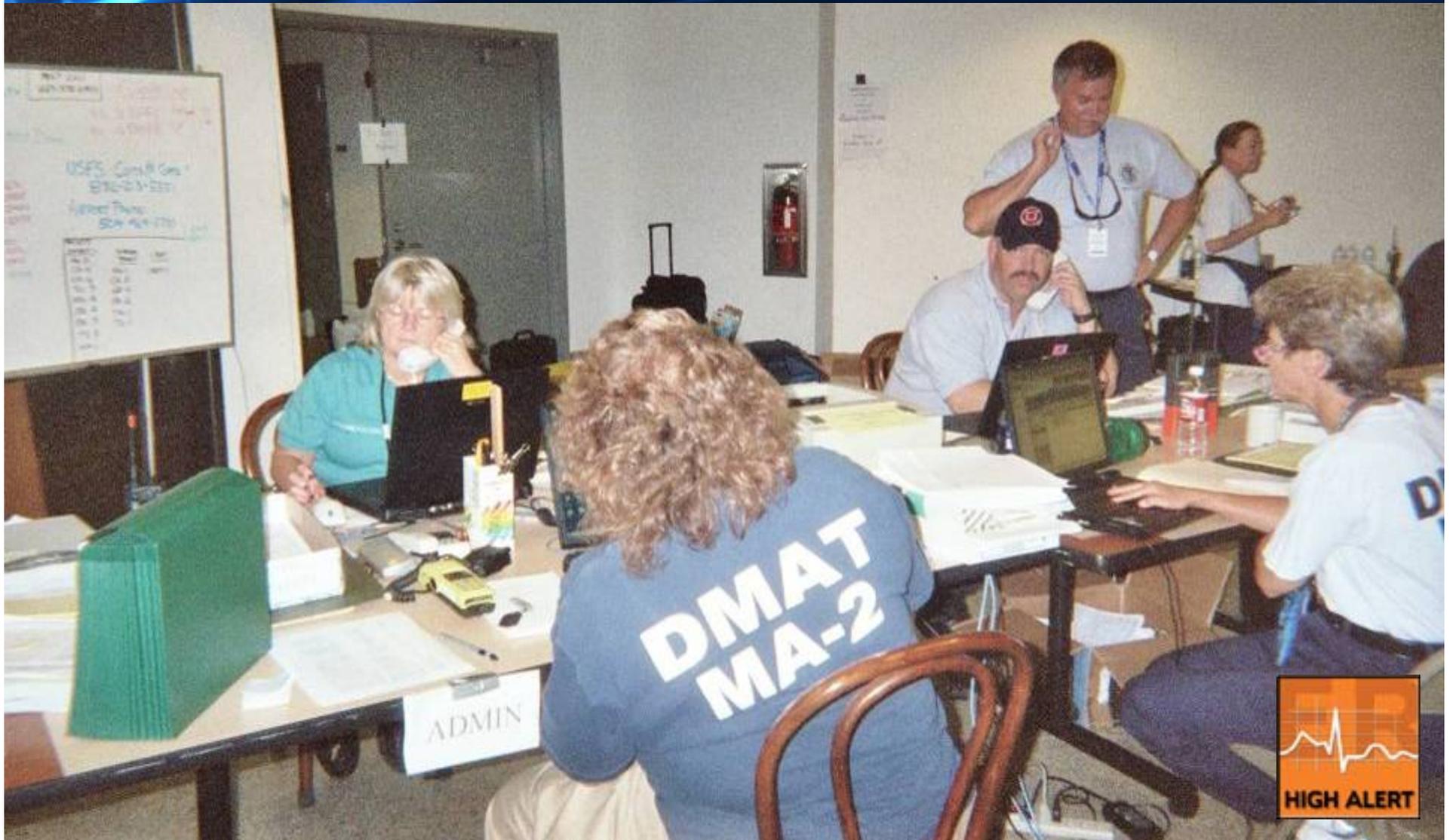


...and to Dispel the Darkness

NIMS Mandated NRTS

- Classification (Typing) System for all response related resources
 - “Resource” includes personnel and equipment
 - Equipment “typed” relative to the specifications of other resources in the same class
 - Personnel “typed” relative to the “qualifications and certifications” available to personnel in the same class
- Universal System that applies to that resource in all federally related plans, agencies and responses

Administrative Section



Administrative Section

- Aka – “Thinkers”
- Agency and/or Response Specific Incident Command System (ICS) Structure and Personnel
 - Reports to Interagency Incident Command System (IICS)
 - Develops Mission Specific Goals, Objectives and Implementation Plans
 - Coordinates the efforts of the Logistics, Operations and Financial Sections
 - Publishes After Action Review (AAR) for each mission and the response as a whole

Logistics Section



Logistics Section

- Aka – “Getters”
- Agency Specific and/or Response Specific Resource Management Structure and Personnel
 - Reports to Administrative Section Incident Command System (ICS)
 - Develops Mission Specific Resource Procurement, Supply, Replenishment, Transport, Tracking, Recovery and Disposal Plans
 - Coordinates and Executes Resource Procurement, Supply, Replenishment, Transport, Tracking, Recovery and Disposal
 - Publishes a Logistics Section After Action Review (AAR) for each mission and the response as a whole

Financial Section



Financial Section

- Aka – “Payers”
- Agency Specific and/or Response Specific Financial Management Structure and Personnel
 - Reports to Administrative Section Incident Command System (ICS)
 - Develops Mission Specific Accounting Systems and Financial Support Plans
 - Coordinates and Executes Accounting Services and Financial Support Systems
 - Publishes a Financial Section After Action Review (AAR) for each mission and the response as a whole

Operations Section



Operations Section

- Aka – “Doers”
- Agency Specific and/or Response Specific Operational Structure and Personnel
 - Reports to Administrative Section Incident Command System (ICS)
 - Develops Mission Specific Operational Action Plans
 - Coordinates Execution of Operational Action Plans
 - Publishes an Operations Section After Action Review (AAR) for each mission and the response as a whole

The Disaster Occurred and NIMS activated NRP

- The IICS Handed Down THE PLAN
- The ICS Interpreted THE PLAN
 - Defined THE MISSION
 - Adopted THE GOALS
 - Set THE OBJECTIVES
 - Promulgated The Incident Response Plan

The Logistics Section read The Incident Response

- The Logistics Officer Interpreted the Incident Response Plan
 - Developed the Response Resource List
 - Procured Resources
 - Transported and Tracked Resources
 - Replenished Resources
 - Recovered and Disposed of Resources

The Financial Section read The Response Resource List

- The Financial Officer Interpreted the Response Resource List
 - Developed the Response Budget
 - Authorized Non-Personnel Resource Payment
 - Authorized Personnel Resource Payroll
 - Contracted Resource Transport and Tracking
 - Coordinated Interagency and Contractor Accounting

The Operations Section Read the Incident Response Plan



...and The Operations Section
Read the Response Resource List



...and The Operations Section
Received the Authorized Shipments



...and The Shipments
did not match The Resource List



...and The List
did not match the Response Plan



...and Front Line Responders Said:



That's How Katrina Happened!!



BUT

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BUT

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D-I-S-A-S-T-E-R R-E-A-D-Y & P-L-A-N

- **D** – **D**etect
- **I** – **I**ncident **C**ommand
- **S** – **S**cene **S**afety
- **A** – **A**ssess **H**azards
- **S** – **S**upport
- **T** – **T**riage and **T**reatment
- **E** – **E**vacuation
- **R** – **R**ecovery
- **R** – **R**ely
- **E** – **E**ducate
- **A** – **A**ppreciate
- **D** – **D**rill, **D**rill, **D**rill
- **Y** – **Y**ou
- **P** – **P**eople
- **L** – **L**eave
- **A** – **A**nticipate
- **N** – **N**eeds













D-I-S-A-S-T-E-R R-E-A-D-Y & P-L-A-N

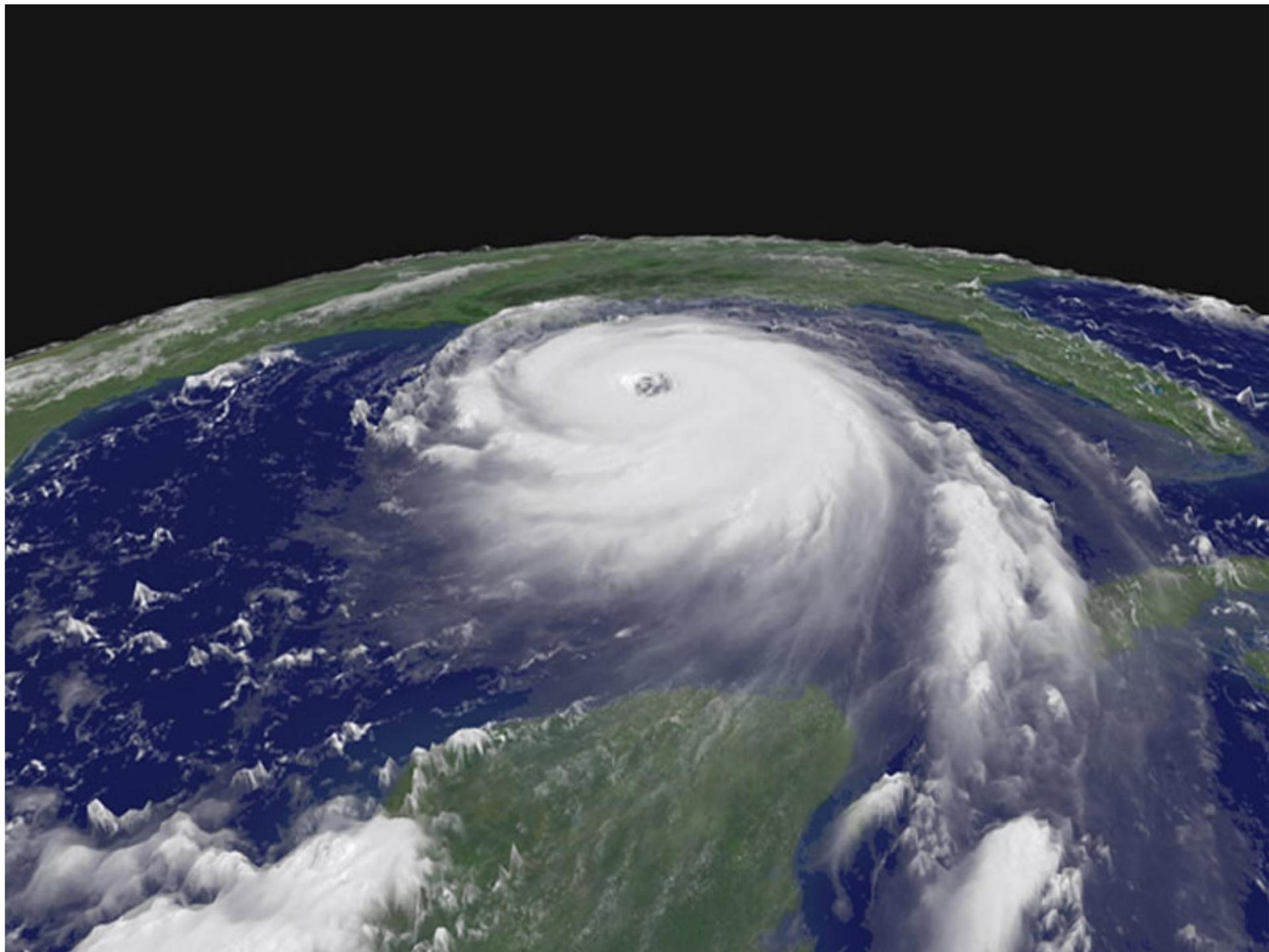
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D-I-S-A-S-T-E-R R-E-A-D-Y & P-L-A-N

- **D** – **Detect**
- **I** – **Incident Command**
- **S** – **Scene Safety**
- **A** – **Assess Hazards**
- **S** – **Support**
- **T** – **Triage and Treatment**
- **E** – **Evacuation**
- **R** – **Recovery**
- **R** – **Rely**
- **E** – **Educate**
- **A** – **Appreciate**
- **D** – **Drill, Drill, Drill**
- **Y** – **You**
- **P** – **People**
- **L** – **Leave**
- **A** – **Anticipate**
- **N** – **Needs**





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NATIONAL INCIDENT MANAGEMENT SYSTEM

March 1, 2004



Homeland
Security

National Response Plan

December 2004



Homeland
Security



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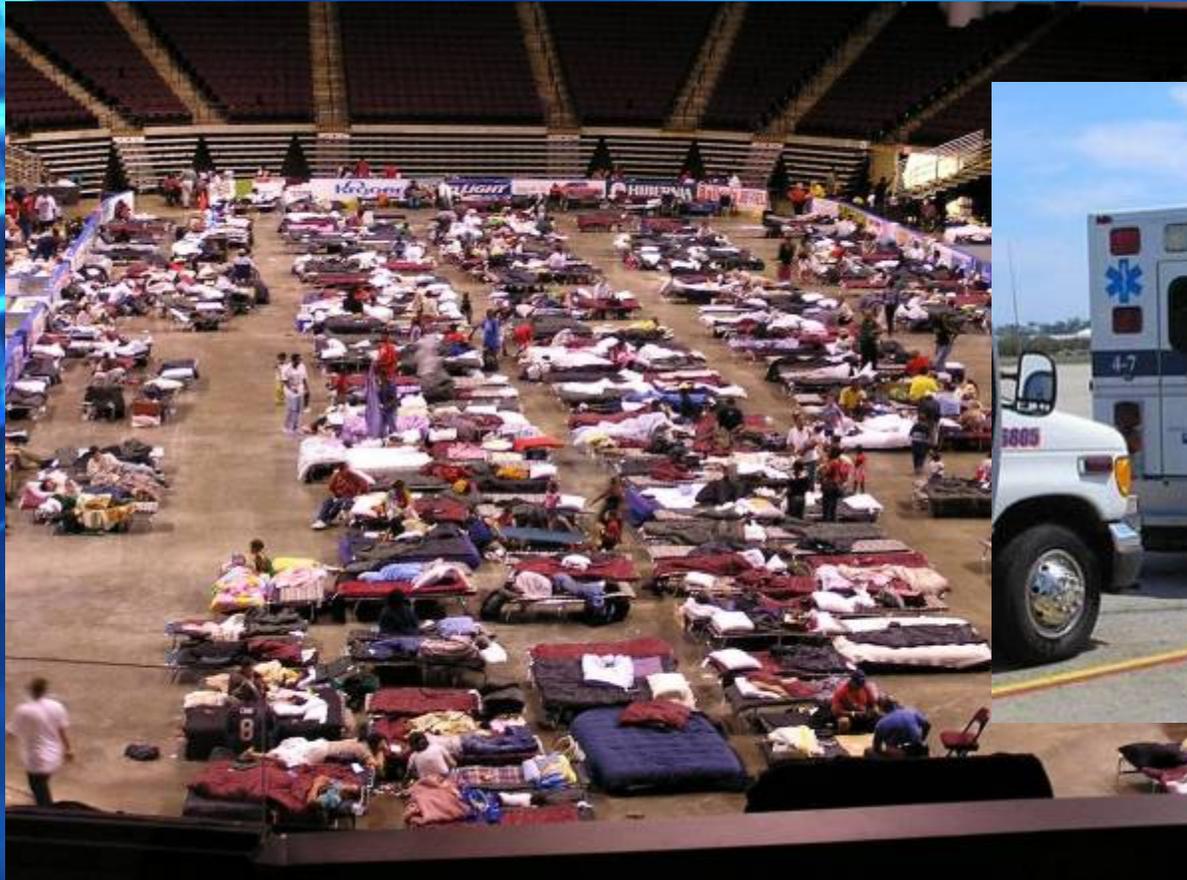




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Homeland Security

The federal medical response to disaster is conducted through Department of Homeland Security

- **Federal Bureau of Investigation (FBI)**
- **Federal Emergency Management Agency (FEMA)**
- **United States Coast Guard (USCG)**
- **Environmental Protection Agency (EPA)**
- **Food and Drug Administration (FDA)**
- **Centers for Disease Control and Prevention (CDC)**
- **Department of Defense (DOD)**
- **Department of Veterans Affairs (VA)**
- **National Disaster Medical System (NDMS)**



FL-3 DMAT: FLORIDA THREE DISASTER MEDICAL ASSISTANCE TEAM

Tampa Bay, Florida



DMAT Teams are field deployable hospital teams that include physicians, nurses, EMT's, and other medical and nonmedical support personnel



DMORT

- **DMORTs are teams made up of forensic and mortuary professionals that are trained to deal with human remains after disaster situations.**



State and Local Agencies

- **Public health departments**
- **Environmental health agencies**
- **Mental health agencies**
- **EMS**
- **Fire**
- **Police**
- **Metropolitan Medical Response Teams (MMRT)**

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Educational Options



- **National Disaster Life Support**
 - **Nationally Recognized Curriculum**
 - **Family of Courses**
 - **Basic Disaster Life Support**
 - **Advanced Disaster Life Support**
 - **Core Disaster Life Support**
 - **Core Disaster Life Support with Decon**
 - **Hospital Disaster Life Support**

Educational Options



- **National Disaster Medical System Training Program**

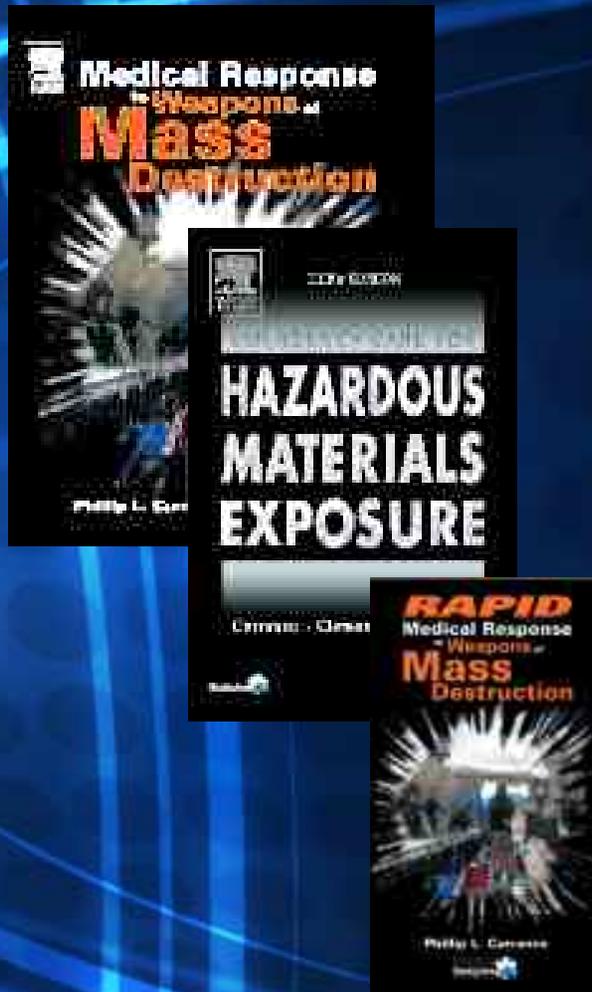
- **Nationally Accredited**

- **Available only to NDMS personnel**

- **Mission Specific to NDMS and Department of Homeland Security**



Educational Options



- Weapons of Mass Destruction – Natural Disaster Training On-Line
 - Nationally Accredited Curriculum
- International Publisher for Textbooks
 - Presented by Nationally Recognized Trainer and Special Committee on Disaster Medicine Chairperson
 - Adapted for Distance Learning by Largest Provider of Recorded Continuing Education and the Co-Founder of High Alert

Educational Options

- **Medical School Curricula**
 - Accredited by the Medical School for their Students
 - Often not available to non-affiliated providers
- **“Boutique Courses”**
 - Accredited by the Sponsoring Institution
 - Limited availability
 - Often designed for targeted audiences
- **Government/Military Training**
 - Increasingly open to civilian providers
 - Often Topic Specific Providing Great Depth but Little Breadth

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THANK
YOU



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Pulling the Systems Together

- Detect
- Incident Command
- Scene Safety
- Assess
- Support
- Triage and Treatment
- Evacuation
- Recovery



- Simple
- Triage
- Move
- And
- Assess
- Respirations
- Immediate
- Rapid
- Sort
- Pulse
- Delayed
- Treatment
- Send
- Mentation
- Minimal
- Expectant
- Dead



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➤ Simple

➤ Triage

➤ Move

- Ambulatory ⇨ Minimal
- Non-Ambulatory ⇨ Delayed

➤ Assess

- R.P.M.

➤ Sort

- Immediate
- Delayed
- Minimal
- Expectant

➤ Send

➤ Respirations

- >30 ⇨ Immediate
- <1 ⇨ Dead

➤ Pulse

- <60 or >100 ⇨ Immediate
- <1 ⇨ Dead

➤ Mentation

- Oriented & Walking ⇨ Minimal
- Oriented & Non-Ambulatory ⇨ Delayed
- Disoriented or Unresponsive ⇨ Immediate

➤ And

➤ Rapid —

➤ Treatment

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The number and severity of natural disasters has risen to the point where a full time civilian healthcare force dedicated to disaster preparedness and response is needed



- Trained and Certified Professional
- Full Time Federally Employed
- Full Time on Call
- Serve their home communities when not deployed
- Bring their civilian world experience to the job

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Remember those deployed under “Minute Man” status will need go home at the end of their 2 weeks



- Transportation Concerns
- Replacement Staffing
- Acclimation time for incoming staff
- Limited time = Limited mission



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- **Mechanism of Injury**

- “It’s not the wind that will kill you, it’s what the wind blows your way that kills you”
- **All Natural Disasters cause injury by the same mechanisms (this is true of man-made events too)**

- Asphyxiation
- Burns
- Crush
- Drowning
- Exposure
- Fractures
- Group Infections
- Historically Poor Health
- Impale
- Jolts
- Knuckle Heads
- Lacerations
- Mental Health
- Nutrition

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The Journey of 1000 Miles Begins with a Single Step



HIGH ALERT