



Failure is not an option

**NWS All Hazards Decision Support Workshop**  
**Feb 9 - 10, 2010**

**James H Bassham**  
**Director**

**Jane Waldrop**  
**Regional Director**

the

911

of  
State Government

TEMA is the State agency charged with the responsibility for the mitigation of, preparedness for, response to and recovery from major emergencies or disaster situations, man-made, natural or technological.

TEMA coordinates State response and provides assistance to local government with resources needed to protect life and property of the citizens of the State of Tennessee

# Legal Basis for Emergency Management

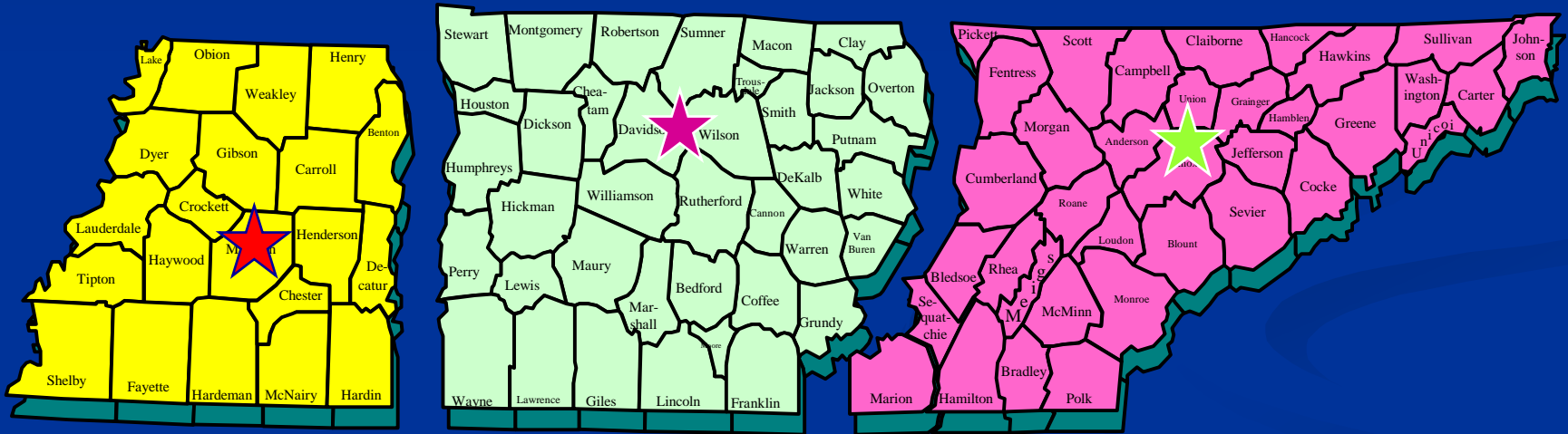
- Tennessee Code Annotated Title 58 Chapter 2 establishes the Tennessee Emergency Management Program with emergency powers to coordinate emergency and disaster preparedness, mitigation, response and recovery.

# Legal Basis for Emergency Management

- Tennessee Code Annotated 58-2-101 and following
  - Establishes TEMA and TEMP
  - Governor's Powers in Emergencies and Disasters
  - Local Emergency Management Programs
  - Local Mayor's Emergency Powers
  - ESC Program

# TEMA Regions

“The First Line of State Disaster Response”



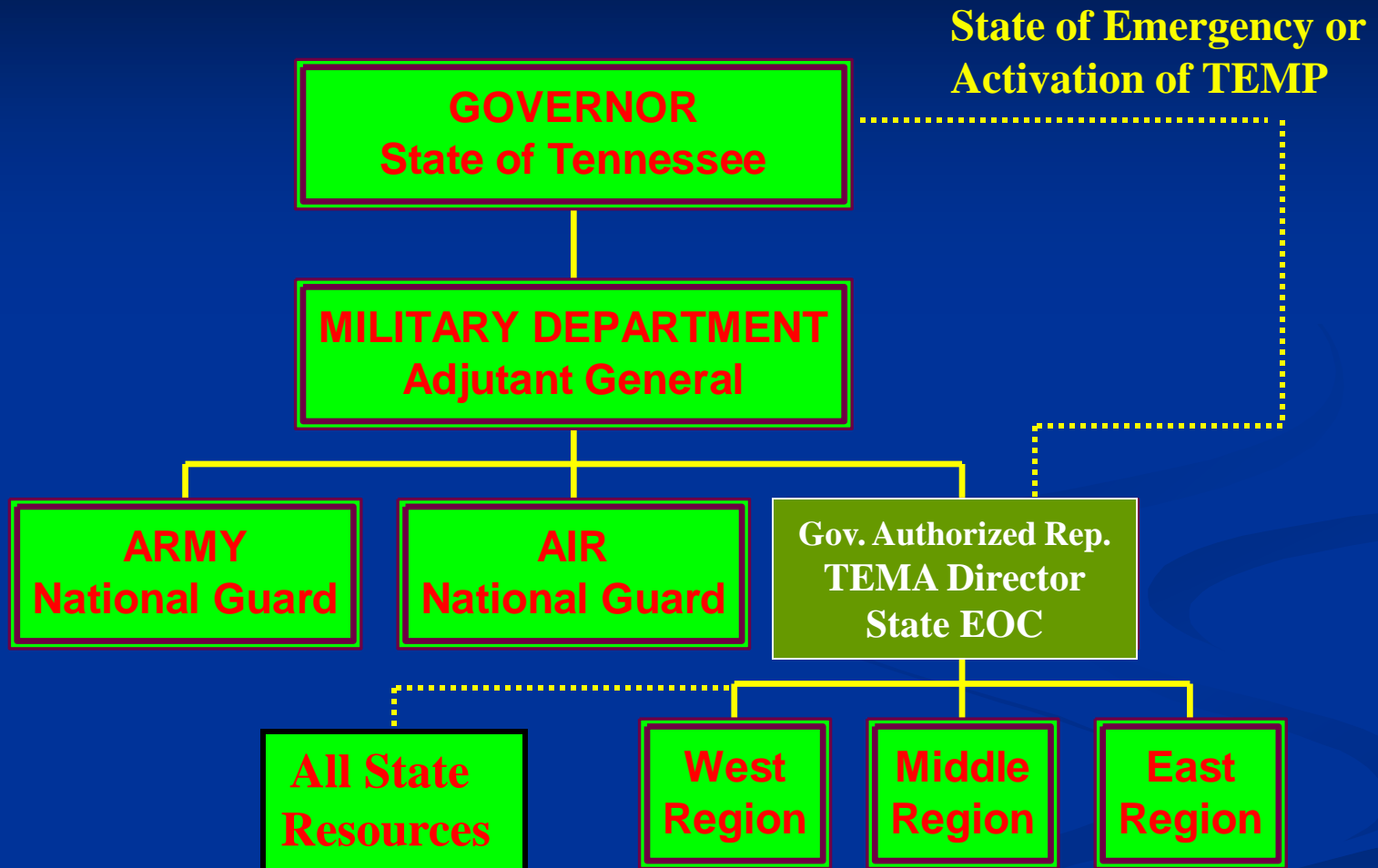
**Regional EOC  
Jackson**

**Regional Office  
Nashville**

**Regional EOC  
Knoxville**

**State EOC  
Nashville**

# Day-to-Day / Disaster Operations



# Emergency Management Accreditation Program (EMAP)

January 2008, Tennessee became 1 of only 15 states under the Emergency Management Accreditation Program to achieve full accreditation under the national standards for emergency management preparedness

Emergency management accreditation represents a significant achievement. To achieve accreditation, each state must fully document how they meet each standard of disaster preparedness and response within EMAP standards and undergo a peer-review assessment by EMAP trained assessors. TEMA's compliance documentation for the EMAP assessors filled two full-size bookcases with more than 40 binders.

It recognizes the ability of a state or local government to bring together personnel, resources, and communications from a variety of agencies and organizations in preparation for and in response to an emergency.

The EMAP process evaluates emergency management programs on compliance with requirements in 15 functional areas, including: planning; resource management; training; exercises, evaluations and corrective actions; and communications and warning

# Tennessee Hazards





# Severe Weather





# Flooding



Mitigation



## Winter Storms





**Earthquake**



**Drought**





**Wildfire**





**Hazardous Materials - fixed or in transit**



**FNF**

**Sequoyah & Watts Bar**





**Terrorism**







## Energy Emergencies

# Health Issues

- Seasonal Flu
- Pandemic Flu
- Bird Flu
- H1N1 Swine Flu
- Bio Terrorism





# *Search and Rescue*



*Search Management*



*Rescue*



*Lost persons  
Basic Visual Man Tracking*



*Missing or downed Aircraft*

# Incidents and Missions

**Incidents**: Incidents reported to the SEOC and no request for state assistance is made. *Handled at the county level w/out state assistance.*

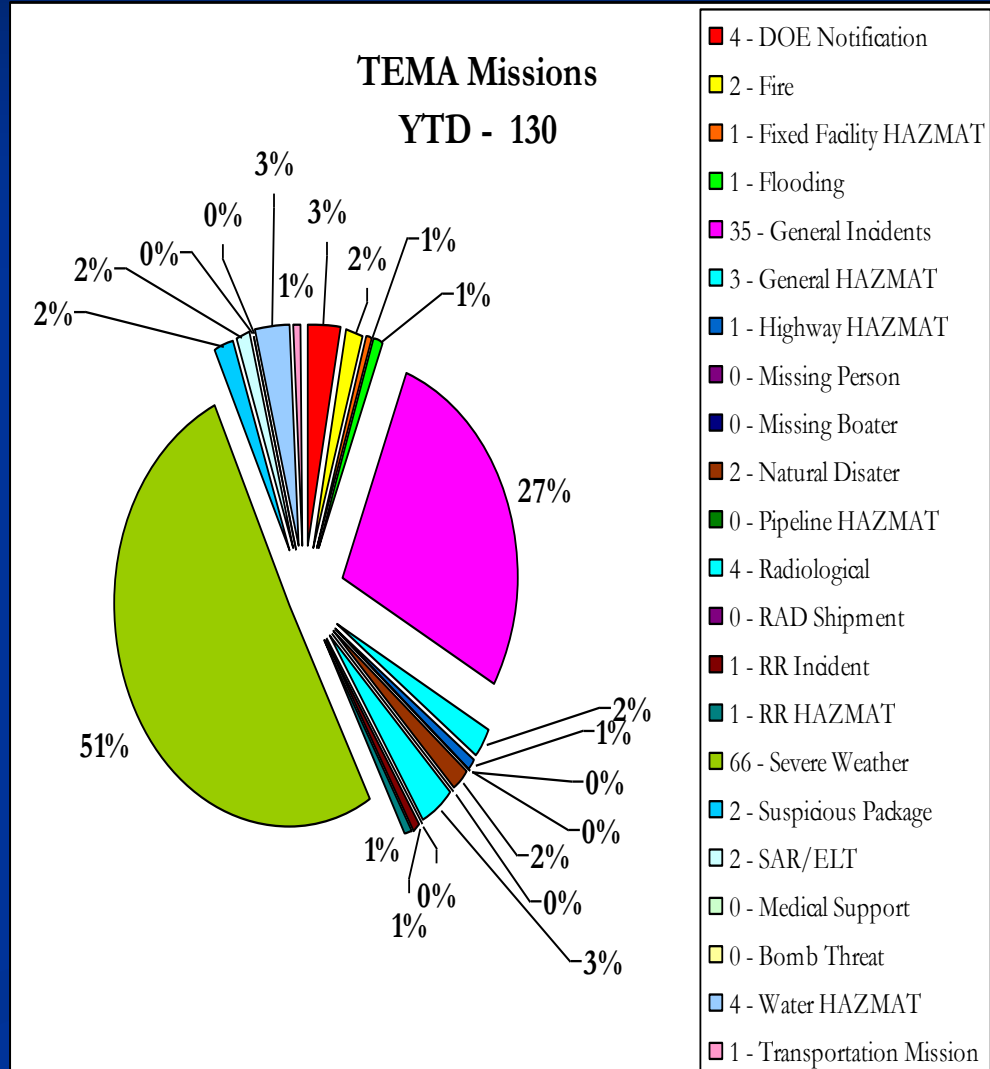
**Missions**: State Assistance is requested and/or an Area Coordinator is actually deployed to the county. Also scheduled events that have TEMA presence or involvement.

\***exception**: This first weather event of any storm system (i.e.. Watch or Warning) is classified as a weather **mission** and all subsequent watches or warnings are incidents under that mission number.

# 2009 Statewide Incidents/Missions

- Incidents - 2,065
  - (Average 5.66 per day)
- Missions - 130
  - (Average 2.50 per week)

\*51% Severe Weather





# 2009 Year End Region Total

**8** - TEMA Missions

**2** – Federal Declarations (1851 & 1856)

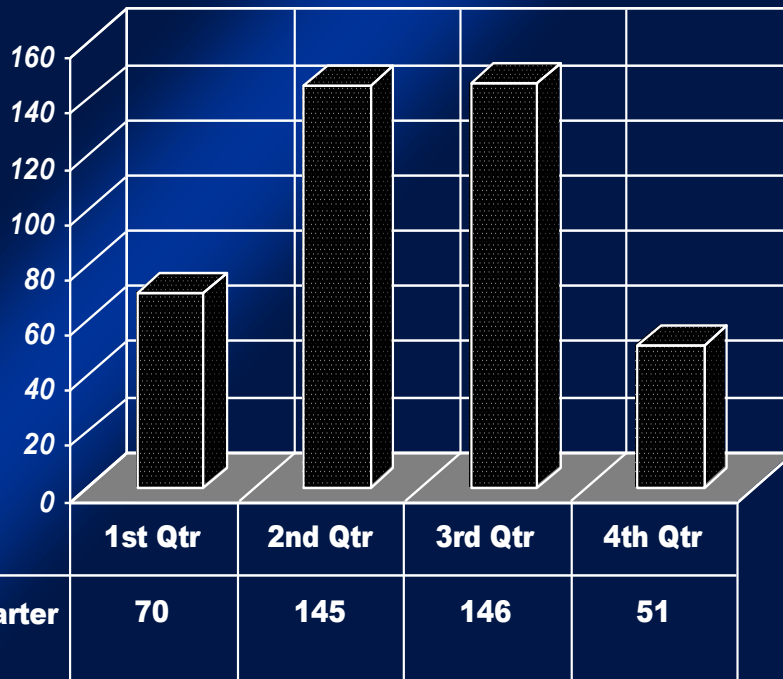
**8** - Scheduled Missions (Events)

**197** - Reported Incidents

**145** - Weather Incidents / **39** Weather Missions

## Incident Breakdown

Amber Alert	6
Aviation Incident	5
Boating Incident	2
Bomb Threat	2
Explosives	1
Fire	6
Flooding	6
General Incidents	5
Hazmat Fixed Facility	43
Hazmat General	16
Hazmat Highway	44
Hazmat Pipeline	2
Hazmat R/R	4
Hazmat Water	23
Radiological	1
R/R Incident	7
SAR: ELT	2
SAR: Missing Person	1
Severe Weather	184
Suspicious Pkg/Substance	6
TDOT Hazmat	1
Terrorist Event	1
Transportation Incident	13
<b>Total:</b>	<b>381</b>



# PARTNERSHIP

- What is partnership
  - The state of being a partner, Participation, Joint interest, Relationship (Webster)
- NWS and TEMA
  - Planned Events
  - Incidents/Missions
  - Anticipated weather events
  - Conferences and Workshops
  - Damage Assessment after events



# STORM READY

- Voluntary Program
- Proactive approach
- Shows community you are committed to their safety
- Helps improve communications and safety skills
  - before, during and after a severe weather event
- Community involvement

# Severe Weather Awareness Week

- 2009 Data from West TN
  - Tornado Drills – 536
  - Public Info
    - Provided to 55 media outlets
    - 32 interviewed EMA
    - 29 presentations given
    - 82 facilities visited to review plans & safe area

## ■ Training Conducted

- 15 counties conducted Damage Assessment classes
- 10 counties hosted NWS Storm Spotters Course

## ■ Exercises and Drills

- 21 counties participated in Communication drill
- 13 counties conducted EOC exercises
- 20 counties reported tornado drills

## ■ Hardware Tested

- 19 counties tested emergency power
- 18 counties tested NOAA weather radios
- 17 counties tested radio alert system
- 19 counties tested outdoor warning sirens
- 12 counties tested other types of warning systems (pagers, radios, etc.)

# West TN Emergency Management Association

- Quarterly meetings
- Co host annual LEPC Conference
  - 2 Day Conference
  - 200 participants (average)
  - 20 vendors (average)
  - Includes full scale exercise







# PLANNING

- TN Emergency Management Plan (TEMP)
- Provides foundation for disaster and emergency response operations
- State Law requires TEMA to develop this plan and update it on periodic basis
- All 95 counties are required to have a plan that emulates the TEMP in terms of structure and purpose



# Emergency Support Functions

- ESF 1 Transportation**
- ESF 2 Communications**
- ESF 3 Infrastructure**
- ESF 4 Fire fighting**
- ESF 5 Information & Planning**
- ESF 6 Human Services**
- ESF 7 Resource Management**
- ESF 8 Public Health & Medical**
- ESF 9 Search & Rescue**
- ESF 10 Environmental Response**
- ESF 11 Food**
- ESF 12 Energy**
- ESF 13 Law Enforcement**
- ESF 14 Donations & Volunteers**
- ESF 15 Recovery**
- ESF 16 Animal Housing & Care Services**

# Catastrophic Plans

- CAT Event Annex to the TEMP and local Basic Emergency Operations Plan (BEOP)
- Developed in concert with 8 CUSEC States and FEMA
- Based on New Madrid Seismic Zone
- Focuses on issues TN expects to encounter in a no-notice catastrophic earthquake

- Defines automatic trigger points
- Implements automatic activation and response procedures for all state agencies
- Other major components
  - Timelines
  - Senior Leadership Issues
  - Direction & Control Concepts
  - Initial Objectives and Tasks
  - Provides management tool

- Loss estimation is based on HAZUS run
- Gives checklist of critical actions
- Locals provide county specific info (staging area, county receiving points, points of distributions, etc.)

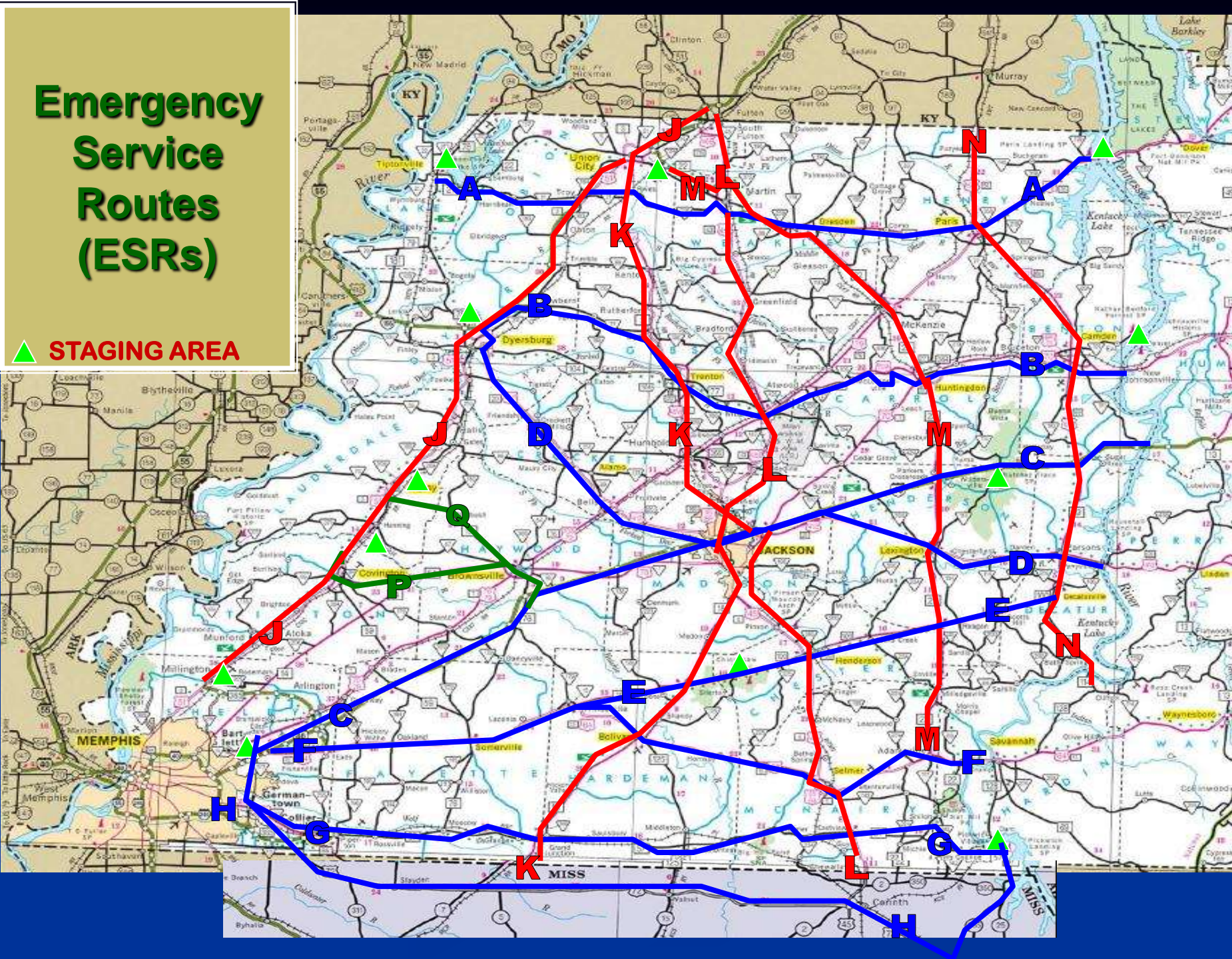
# Look at Lessons Learned

- Federal/State/Local Response to Cat Events
  - Previous exercises or events
  - Timeframe for assistance to arrive
  - Types of assistance available
  - Critical Issues
  - Katrina
  - 2009 Ice Storm
  - Haiti Earthquake



# Emergency Service Routes (ESRs)

▲ STAGING AREA





# TNCAT 07





# TNCAT 07







# TNCAT 07



# Vigilant Guard 2008







*Vigilant Guard 2008*





# *“Navigating the Maze”*



*Mapping the way to NLE 2011*



# NLE 2011 Overview

## Vision

- A nation more prepared to respond to a catastrophic no-notice event

## Mission

- Conduct an exercise to prepare and coordinate multiple jurisdictions and stakeholders including executive leadership, operations teams, multiple sectors, and communities to provide an integrated response to a national catastrophic event. The exercise provides honest evaluation that leads to corrective action

## Exercise Dates

- Functional: May 16-20, 2011



# NLE 2011 Overview

## Key Participants

- NCR agencies
- FEMA Regions: IV, V, VI, VII
- States: TN, KY, AL, MS, IN, IL, AR, MO

## Unique Facts

- First natural hazard NLE
- Follow on to FEMA Catastrophic Planning Initiative
- Bicentennial anniversary of 1811 New Madrid earthquake
- New working groups: Citizen and Community Preparedness, Long-Term Recovery
- Bottom-up planning process

## Exercise Linkages

- Ardent Sentry, Vigilant Guard, and possibly TRANSCOM's Ultimate Caduceus





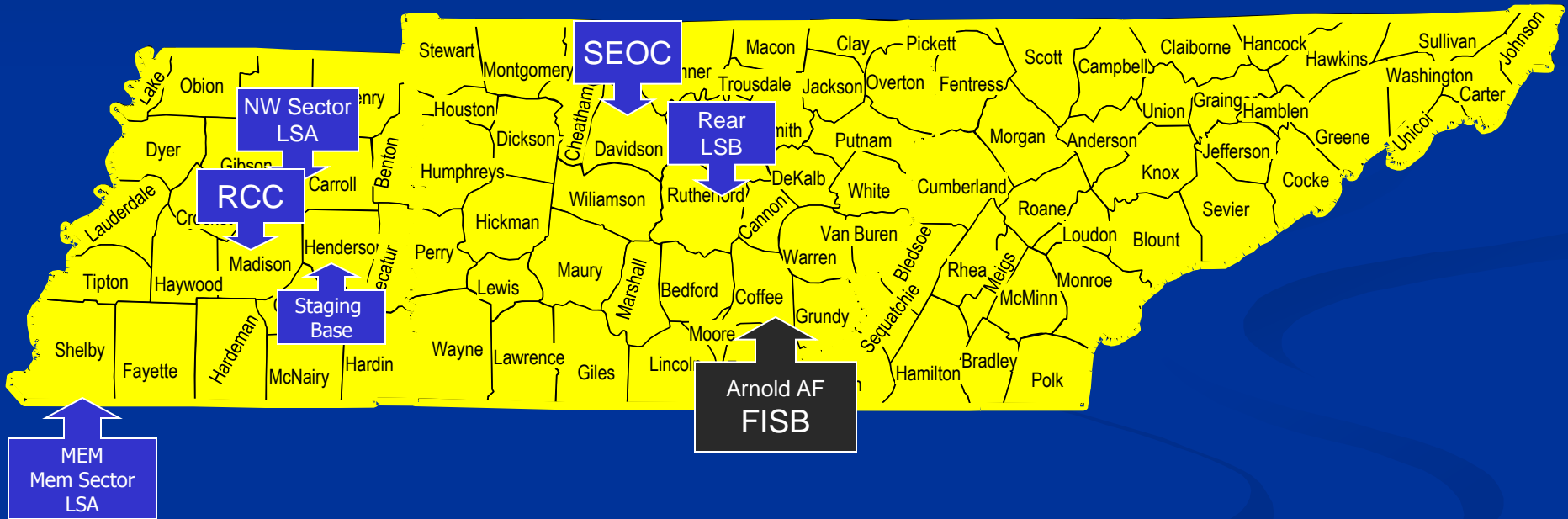
# NLE 2011 Overview – CUSEC States’ Overarching Objectives

- Communications\*
- Critical Resource Logistics and Distribution\*
- Mass Care (Sheltering, Feeding, and Related Services)
- Citizen Evacuation and Shelter-in-Place
- Emergency Public Information and Warning
- EOC Management

\* Tennessee’s Objectives

# STATE NLE VENUE SITES

## TNCAT2011

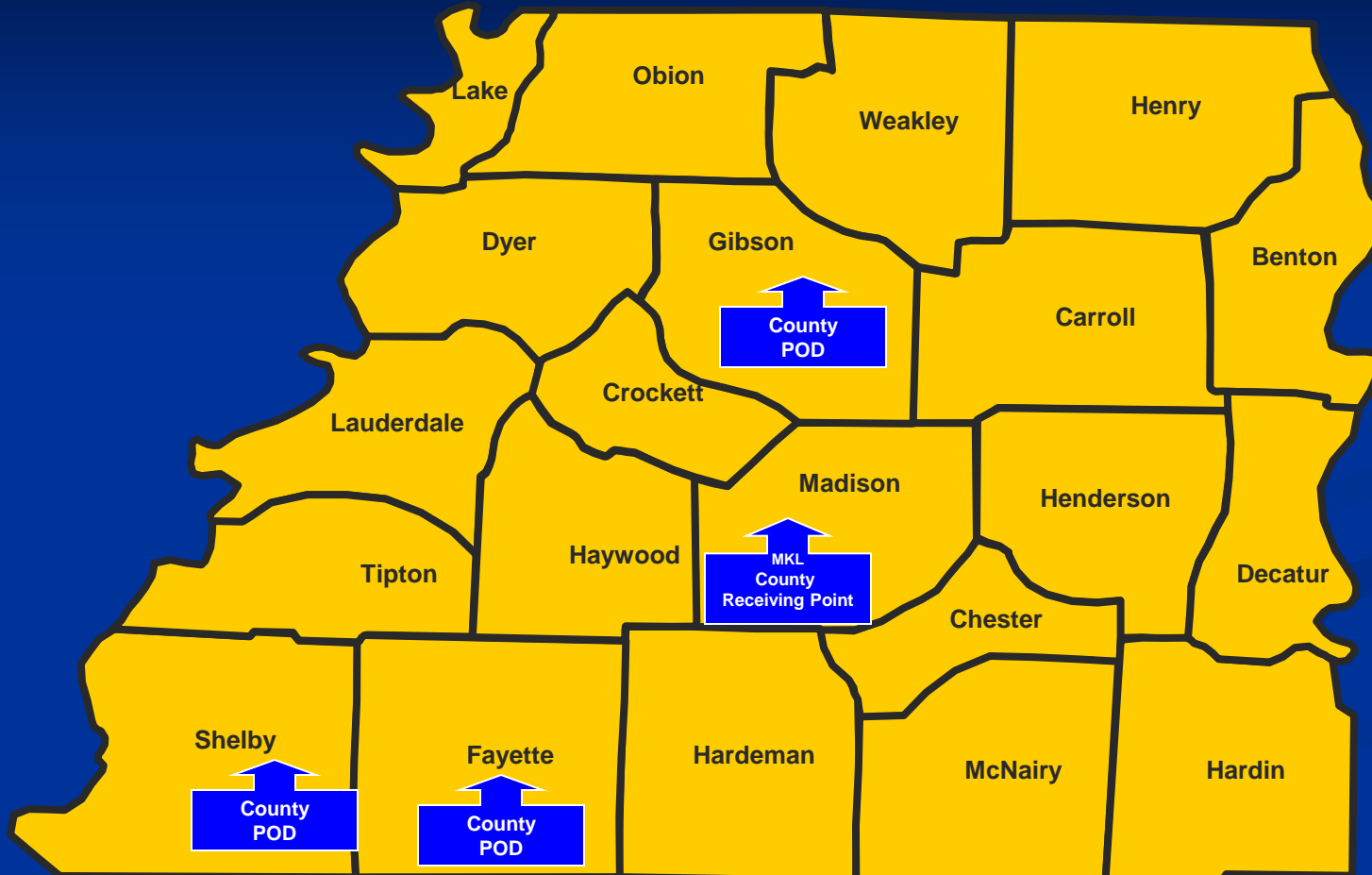


# CAT LOGISTICS



# COUNTY VENUE SITES

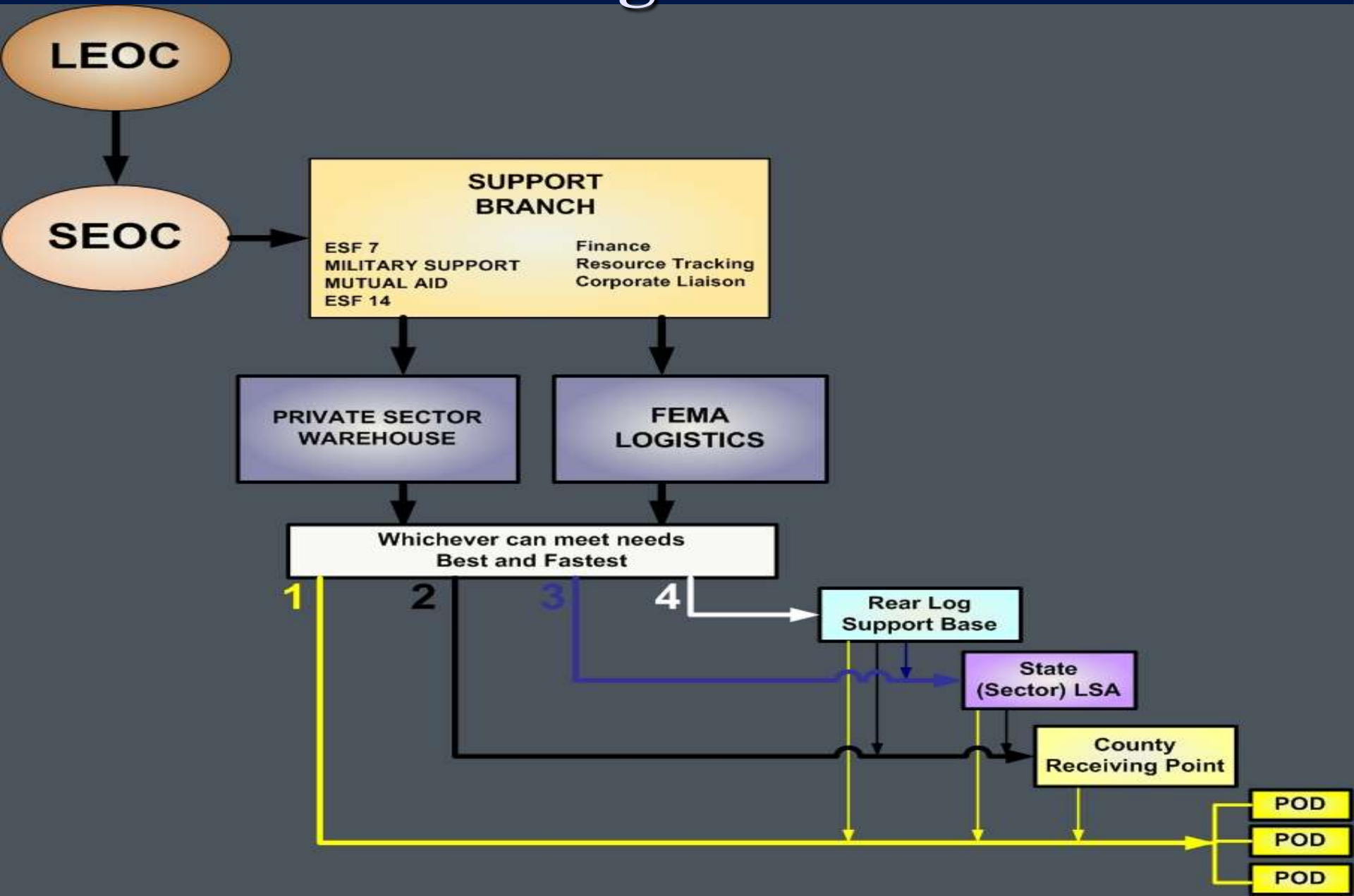
TNCAT2011



# CAT LOGISTICS



# Base Logistics Process







TNCAT  
2011

We are here

# Consequence Management

- What is Consequence Management?
  - Consequence - Result of an action or process, outcome, the relationship of effect to cause
  - Management – The art of managing or handling, controlling, directing
- Consequence Management
  - Being able to handle, control or direct an outcome no matter what the cause



**The consequences of a disaster are normally the same, only the cause is different.**

**disaster has -**

- Impact on People**
- Impact on Property**
- Impact on Lifelines**
- Impact on Infrastructure**



# REMEMBER

No one person or agency can do it alone but  
together we can make it happen!