Purpose

- Review probable scenario and ground truth products; approaches; and solicit stakeholder input
Agenda

- SWG Operations
- Stakeholders & Plans
- Objectives
- Scenario Event & Modeling
- Scenario Products

Agenda

- Please mute your phones with "MIC" button or …
  - *6 – to mute
  - #6 – to un-mute
- Q&A and comments
  - During presentation please type your question in the exchange tool or simply place a “?”
  - At end of each section or sub-section
    - Call on each person to address question or comment
    - Identify “on-deck” Q&A to un-mute
SWG Operations

- SWG ensures Federal Interagency representation in NLE 11 scenario products and Regional, State, and local representation via Regional SWGs
- Representation is at-large
  - No “Core” group
- Administrative Team reviews agendas and work product to provide player perspective – Not a decision-making group
  - Interagency SMEs: USACE; USGS; USDOT
  - NED Liaisons

SWG Operations

- General Approach
  - Identify requirements via SWG
  - EXDIR Staff will provide tools
  - Stakeholders return structured and timely input
  - EXDIR Staff will produce work products
- Regions & States
  - Welcome and encouraged to use work products
  - If not – will request minimum information needed to track and understand State & Regional scenario elements
SWG Operations

- Communication & Coordination
  - Data-calls
  - SWG Meetings
  - As needed one-on-one meetings

SWG Operations

- Issues & Adjudication
  - EXDIR Staff will try to resolve with more specific guidance or tools
  - Federal – Federal
    - If issue remains – EXDIR staff will capture COAs for EXDIR
  - Federal – State
    - EXDIR Staff and State planner discuss
    - Provide input for EXDIR – State EXDIR discussion

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**SWG Operations**

Meetings & Attendance

- Currently 223 persons on SWG distribution list
- Practical limitation of meeting capability
- All Departments/Agencies please identify 1 POC to attend in-person & 2 POCs maximum for other distribution via data call
- Regional & State SWGs – Please identify 3 maximum each for remote attendance
- Will include in data call
- Other National Work Groups – Please identify 1 POC

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**Stakeholders & Plans**

- SWG Data Call #1 Sent 13 Jan 2010
  - Requested relevant plans and intent to play
  - Follow-up data-call – following this meeting
- Those who responded – Thank you
Objectives

- NLE 11 scenario products are based on objectives
- Overarching objectives are set for NLE 11 based on stakeholder input
  - Provide scoping guidance to maximize player interaction
- Specific performance objectives
  - Define agency performances or behaviors
  - Identify triggers required in scenario
  - Captured via Scenario-Objectives Matrix (SOM)

Federal headquarters objectives via matrices
- Discuss status at MPC

Local, State, and Regional Federal objectives
- Specific protocols are up to Regional & State SWGs
- Request at minimum
  - Scenario Events/Elements
  - List of agencies participating
- Will accept matrices directly from State and Regional Federal activities (if different from headquarters objectives)
Objectives

- Scenario Objectives Matrix
  - Tool for stakeholders to document their performance objectives and required scenario elements (triggers)

- Department / Agency
  - Overarching objective
    - Activity
    - Task
  - Performance Objective
  - Scenario Element (Trigger)

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Scenario Event & Modeling

- NLE 11 scenario event is not the Catastrophic Planning Initiative (CPI) scenario event
- NLE 11 scenario event
  - NMSZ Southwest segment M7.7
  - Triggers WVSZ M6.0 (finalizing location)
Scenario Event & Modeling

- NLE 11 partners developed differential analysis using peak ground accelerations between CPI event and NLE 11 scenario event
- MAEC-produced data for CPI event is relevant for 4 southern States (AL, AR, MS, TN) for NLE 11
- USGS, FEMA, and Sandia Labs partners developing new data for 4 northern States (IL, IN, KY, MO)
  - Using MAEC developed datasets and fragilities
- FEMA/NED will update stakeholders on modeling timelines
**Scenario Products**

**Development**

- Based on objectives
- General approach
  - Identify requirements – Regional & State scenario requests & National Federal objectives
  - Develop models & tools – EXDIR Staff
  - Structured and timely input – Stakeholders
  - Document and publish – EXDIR Staff
  - Review and comment - Stakeholders

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**Scenario Products**

**Development**

- Time constraint – two approaches
- Phase I
  - Based on overarching objectives and HAZUS modeling results
  - Offered as a common product
- Phase II
  - Based on agency-specific requirements
  - Maximize training value for all players
  - Within available resources
Scenario Products
Phase I – State and Federal Overview

- National Federal Situation & Requirements
- Regional Federal Situation & Requirements
- State Situation & Requirements
- Operational Problem
- Mission Assignments & Resources

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Scenario Products
Phase I – State and Federal Overview

- National Federal Situation & Requirements
- Regional Federal Situation & Requirements
- State Situation & Requirements
- Local Situation & Requirements
- Operational Problem
- Mission Assignments & Resources

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All NLE11 players have a vested interest in revealing scenario elements to local players or simulating the same.
Scenario Products
Phase I – Overview

Local Situation & Requirements Live / Simulated Mix

Trauma Occurrence US&R Requirements Shelter-Seeking

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Scenario Products
Phase I – Overview

Local Situation & Requirements

Field Command Primarily Simulated

US&R Requirements Shelter-Seeking

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Scenario Products
Phase I – Overview

Local Situation & Requirements

Medical Capability

Transport

Trauma Occurrence

Field Command

Primarily Simulated

Scenario Products
Phase I – Overview

Local Situation & Requirements

Medical Capability

Trauma Presentation

Field Command

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August 19, 2010
Scenario Products
Phase I – Overview

Local Situation & Requirements

Medical Capability

Field Command

Trauma Presentation
US&R Requirements
Shelter-Seeking

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Scenario Products
US&R Requirements

- HAZUS - Identifies numbers of building-type by damage state by census tract and time-to-clear
- Census tracts can be mapped to area/incident commands to provide operational US&R needs
- Status
  - Stakeholders - Field command lay-down is required to assign tracts to commands

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Scenario Products
Shelter Seeking Behavior

- HAZUS - Identifies total number of shelter-seekers by county for days 1 and 3
- Option to assign presentation at shelters with input from shelter providers including damage state and capacity of shelters
- Status
  - Stakeholders – Need shelter provider input
  - Modeling – Statistical treatment to assign presentation time and location

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Scenario Products
Field Command

- Identifies all ICPs, Area Commands, UCs, Logistics Staging Areas, and other resource requesting and supporting field activities
- Includes stand-up time; location; communications; and operational problem and resources needed by operational period
- Most facilities will be notional, but will have to follow “limited-play” FSE/Drill locations
- Includes IAPs and/or resource requests for each operational period

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**Scenario Products**

**Trauma Presentation**

- HAZUS – Total traumas by type by county
- Can develop transportation model reflect presentation at care facility with identification of care facilities
- Status
  - Stakeholders – Need medical capability inputs and transport assumptions
  - Modeling – Statistical treatment to assign presentation time, and assignment of transport model

**Scenario Products**

**Medical Capability**

- Identifies all Hospitals/HICS, alternate care facilities, and deployed medical surge capabilities
- Includes stand-up time; capacity; damage state; lifelines; and resources needed by operational period
- Most facilities will be notional, but will have to follow "limited-play" FSE/Drill locations
- Includes IAPs and/or resource requests for each operational period
Scenario Products
EMAC Resources

- Inventory of probable resources requested and available via EMAC
- Seeks to track asset capacity – not individual assets / types
- Ensures that (notional) resources provided to players aren’t more than would be available

scenario products
Operational Environment

- Transportation Systems
  - Road and Rail networks
  - Airport system components
- Systems on/off at points of interest
  - Communications
  - Water / Wastewater
  - Electricity
Scenario Products
Phase II

- Review Scenario Objectives Matrices & Regional SWG inputs
  - Identify product requirements
  - Build template, model, product, or narrative
  - Review
  - Publish & deliver to CEWG

Summary

- Data Calls due at MPC
  - Plans, Intent to Play, POCs
  - Objectives
- Data Calls review at MPC
  - Planned shelters
  - Field Command – All but OPs
  - Transport assumptions
  - Medical Care Capability – All but OPs