



U.S. ARMY

ARMY STRONG.™

2015 Mississippi Valley Division Interagency All Hazards Synchronization Exercise

Commander, Mississippi Valley Division

President-designee, Mississippi River Commission

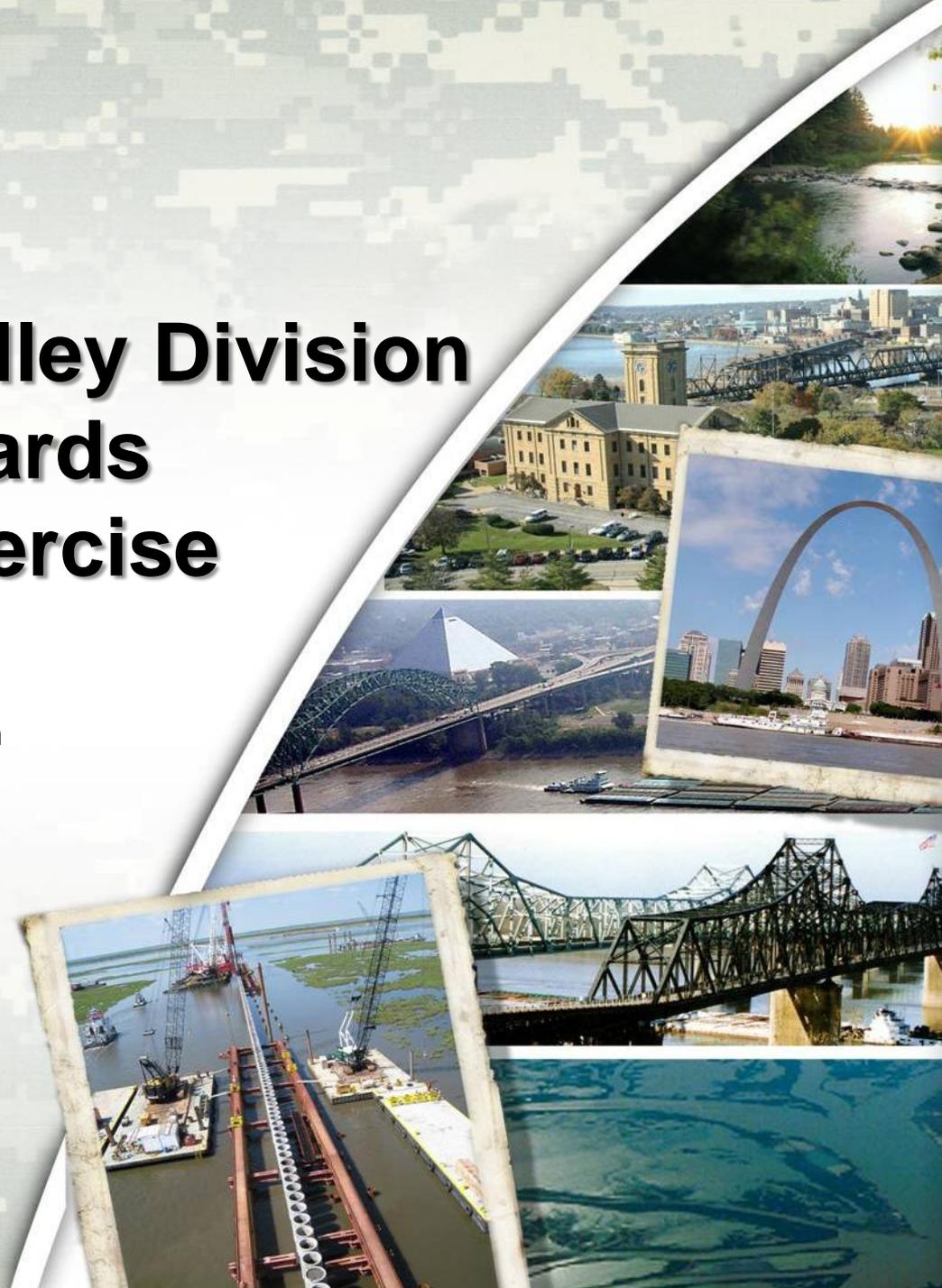
Vicksburg, Miss.

June 17, 2015



®

US Army Corps of Engineers
BUILDING STRONG.®



Mississippi Valley Division

2015 Interagency All Hazards Synchronization Exercise

June 17, 2015

Welcome and Introductions

Facilitator



ARMY STRONG.™



BUILDING STRONG®

Agenda

0800 – 0830: Opening Remarks (Command Welcome)

0830 – 0845: Setting the Stage

0845 – 0900: Networking/Break

0900 – 1040: Flood

1040 – 1110: Severe Weather

1110 – 1140: Networking Lunch

1140 – 1250: Learn from the Experts

1250 – 1305: Networking/Break

1305 – 1405: Hurricane (Pre-Landfall)

1405 – 1420: Networking/Break

1420 – 1535: Hurricane (Post-Landfall)

1535 – 1605: New Madrid Earthquake Response (Concept of Operations)

1605 – 1630: AARs/Hotwash

1630 – 1700: Closing Comments



Attendee Folder

- Attendee Roster
- Agenda
- Key Websites
- Key Participating Organizations
- MR&T Brochure
- MRC Brochure
- Coordinating Instructions
 - How to request a Certificate with Continuing Education Units
 - How to download the Briefings



ARMY STRONG.™



BUILDING STRONG®



U.S. ARMY

ARMY STRONG™

What Makes MVD Unique?

Commander, Mississippi Valley Division

President-designee, Mississippi River Commission

Vicksburg, Miss.

June 17, 2015



®

US Army Corps of Engineers
BUILDING STRONG®





U.S. ARMY

ARMY STRONG™

Setting the Scene

Chief, Readiness and Contingency Operations

Mississippi Valley Division

17 June 2015



®

US Army Corps of Engineers
BUILDING STRONG®



Setting the Scene

- Theme
- Objectives
- USACE Campaign Plan Overview
- MVD All Hazard Activities
- EMAP Benefits
- Mentor for a Day
- Takeaways / Homework



ARMY STRONG.™



BUILDING STRONG®

Mississippi Valley Division

2015 Interagency All Hazards Synchronization Exercise

June 17, 2015

Theme:

SEAMLESS COORDINATION, COMMUNICATION and INTEGRATION

Oxford Dictionary defines Seamless as:

"Smooth and continuous, with no apparent gaps or spaces between one part and the next"



ARMY STRONG.™



BUILDING STRONG®

Objectives

- Make a Friend Before You Need a Friend
- Learn from Local, Regional and National Experts
- Synchronize Regional Response and Recovery Efforts



Developed as a result of the lessons and comments from the 2014 TTX and changes since last year.



Goal 1: Lloyd Caldwell

Support National Security

Deliver innovative, resilient, and sustainable solutions to DoD and the Nation.

Goal 2: Steve Stockton

Transform Civil Works

Deliver enduring and essential water resource solutions using effective transformation strategies.

Goal 3: Karen Durham-Aguilera

Reduce Disaster Risks

Deliver support that responds to, recovers from, and mitigates disaster impacts to the Nation while ensuring sustainable operations.

Goal 4: Sue Engelhardt / Jeff Holland

Prepare for Tomorrow

Build resilient People, Teams, Systems, and Processes to sustain a diverse culture of collaboration, innovation, and participation to shape and deliver strategic solutions.



Goal 3: Karen Durham-Aguilera

Reduce Disaster Risks

Deliver support that responds to, recovers from, and mitigates disaster impacts to the Nation while ensuring sustainable operations.

Objective 3a: Karen Durham-Aguilera

Enhance interagency disaster response and risk reduction capabilities.

Action 3a1: Maintain and Improve Readiness contingency capabilities.

Action 3a2: Improve linkage with USNORTHCOM/ARNORTH on DSCA missions.

Action 3a3: Update, maintain, and train in accordance with established doctrine.

Action 3a4: Increase physical security for critical infrastructure.

Objective 3b: Karen Durham-Aguilera

Enhance interagency disaster recovery capabilities.

Action 3b1: Enhance support to National Disaster Recovery Framework (NDRF).

Action 3b2: Develop All-Hazards recovery capacity for USACE authorities / programs.

UCP FY 15-19

Action 3a1: Maintain and improve Readiness Contingency Capabilities

- 3a1.1.1: NA
- 3a1.2.1: % Emergency Support Function #3 Planning Response Teams, assembled and trained
- 3a1.3.1: NA
- 3a1.3.2: NA
- 3a1.3.3: NA
- 3a1.4.1: Fully integrate disaster response planning activities with FEMA 5 year plan.
- 3a1.5.1: Achieve EMAP certification at HQ, Divisions and Districts

UCP FY 15-19

Action 3b1: Enhance Support to National Disaster Recovery Framework

- 3b.1.1 - Increase leader awareness of USACE IS-RSF responsibilities under NDRF
- 3b1.2.1 - Identify and roster 2 personnel per MSC as IS-RSF Field Coordinators by the end of 2nd quarter FY 15
- 3b1.2.2 - Train IS-RSF Field Coordinators by End of 4th Quarter FY 15
- 3b1.3.1 - NA



2015 MVD All Hazards Activities

Flood

- MVD Regional TTX (12 Mar)
- Flood Fight training - All Districts
- High Water Events: MVM, MVK, MVN (Mar–Present)

Severe Weather (Winter Weather)

- Memphis: MVM (16- 23 Feb & 4-6 Mar)
- Vicksburg: MVK/MVD/ERDC/412th TEC (24 Feb & 5 Mar)
 - Implemented Vicksburg Adverse Weather SOP
 - HQMVD Tele-working IAW Continuity of Operations

Hurricane

- SWD Rio Grand Valley TTX (2 Apr)
- SAD VI/PR, East Coast TTX (27-28 May)
- MVN TTX (27 May), MVK RFO FTX (12-14 May), MVM TTX (22 Jun)

Earthquake

- HQUSACE ROC Drill 21-22 April
- MVD Regional Planning Workshop 28-29 July

Debris Training - SWF (Apr), SAM (May), MVN (Jun)



EMAP Benefits

- Enhanced intra-office and inter-agency coordination
 - Mitigation and Flood Risk Management
 - Security
 - Public Affairs
 - Federal, State, and Local
- Knowledge Management / Transfer for succession planning
- Improved corrective action program
- Hazard Identification & Risk Assessment (HIRA) validation



Mentor For Day

- Senior leader opportunity
- FEMA Corps Team Leads divided up and assigned to the Key Leaders



Questions For Mentors

- What is your role in a disaster?
- How do you coordinate with FEMA or other agencies?
- What was your career pathway to your current position?



Questions?



U.S. ARMY

ARMY STRONG™



BUILDING STRONG®



U.S. ARMY

ARMY STRONG™

FEMA Corps



®

US Army Corps of Engineers
BUILDING STRONG®





U.S. ARMY

ARMY STRONG™

Team Rubicon



®

US Army Corps of Engineers
BUILDING STRONG®





U.S. ARMY

ARMY STRONG™

PL 84-99 Authority Overview

New Orleans District Chief EM

17 June 2015



®

US Army Corps of Engineers
BUILDING STRONG®





U.S. ARMY

ARMY STRONG™

Lower MS River Forecast Center

Hydrologist In-Charge at National Weather
Service (NWS) Lower Mississippi River
Forecast Center (LMRFC)

17 June 2015



®

US Army Corps of Engineers
BUILDING STRONG®





U.S. ARMY

ARMY STRONG™

Mississippi River and Tributaries (MR&T)

Watershed Management
Mississippi Valley Division
17 June 2015



®

US Army Corps of Engineers
BUILDING STRONG®





U.S. ARMY

ARMY STRONG™

Souris and Red River of the North – North Dakota and Minnesota

St. Paul District Chief EM
Mississippi Valley Division

17 June 2015



®

US Army Corps of Engineers
BUILDING STRONG®





U.S. ARMY

ARMY STRONG™

Flood Risk Management and Mitigation

Flood Risk Manager

Mississippi Valley Division

17 June 2015



®

US Army Corps of Engineers
BUILDING STRONG®





U.S. ARMY

ARMY STRONG™

Flood Response



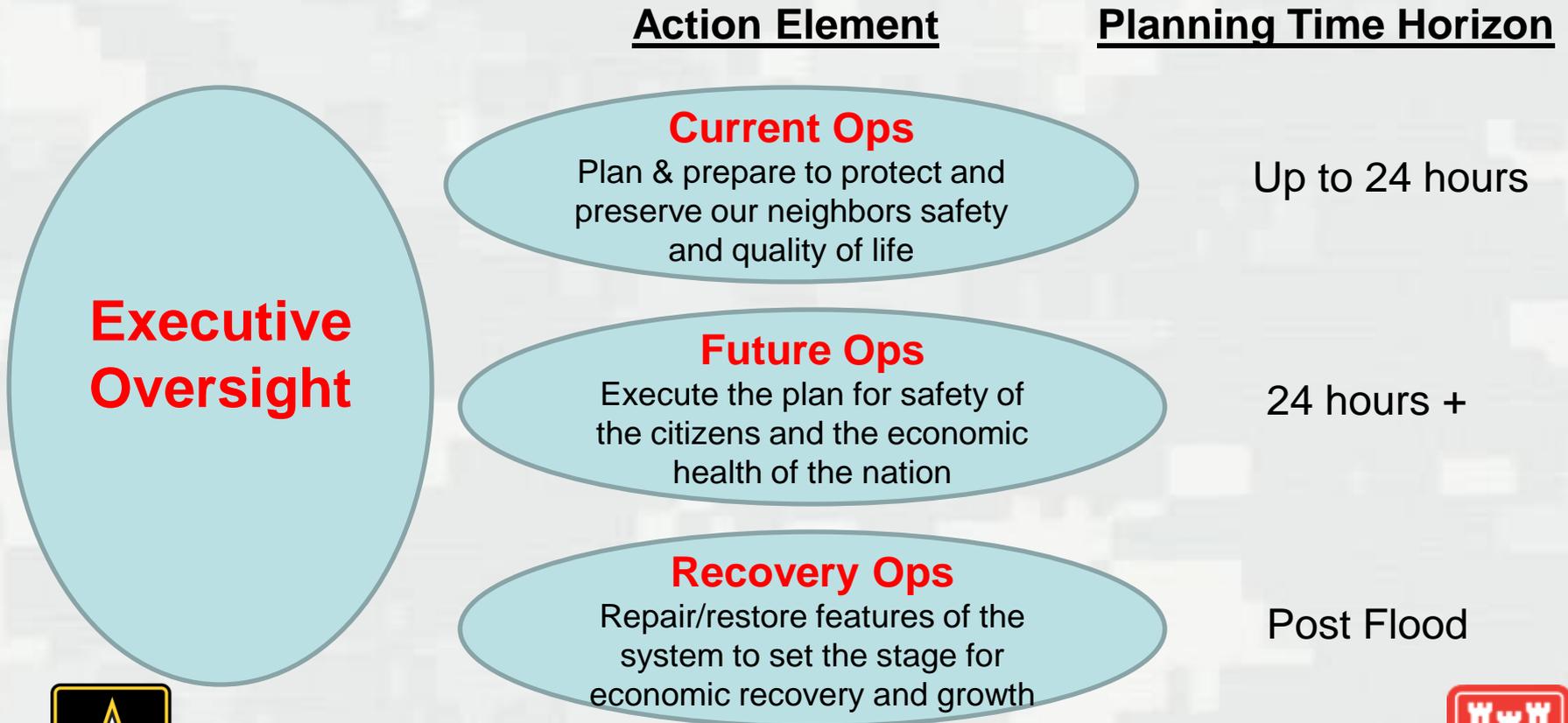
®

US Army Corps of Engineers
BUILDING STRONG®



Concept of Operations

Flood



U.S. ARMY

ARMY STRONG.™



BUILDING STRONG®

Flood Discussion

- Does USACE need a Presidential Disaster Declaration to support State and Local governments under PL84-99?
- What are the agency triggers to activate during a flood?
- What flood operations are currently underway?
- How do we utilize Silver Jackets or Interagency Task Force?





U.S. ARMY

ARMY STRONG™

MVK Flood AARs

Commander Vicksburg District

17 June 2015



®

US Army Corps of Engineers
BUILDING STRONG®



2011 Flood - Operation Watershed Lessons Learned

- Water Control Plans - Developed process for directed deviations to include risk analysis, collateral impacts and expected benefits
- Mapping - Standardized mapping products throughout MVD
- Recovery initiated simultaneous with Response.
- Perishable Data acquisition and storage.





U.S. ARMY

ARMY STRONG™

Severe Weather: Tornados Winter Weather



®

US Army Corps of Engineers
BUILDING STRONG®





U.S. ARMY

ARMY STRONG™

Winter Weather (ESF #3 Response)

Memphis District Chief EM
Mississippi Valley Division

17 June 2015



®

US Army Corps of Engineers
BUILDING STRONG®



Severe Weather Discussion

- How do you prepare for Winter Weather and Tornadoes?
How would your organization respond?
- What are the likely mission assignments for Winter Weather and Tornado?



Severe Weather Lesson Learned

Feb 15 Winter Weather Event Central Mississippi

- Tele-work agreements and COOP Plan validated
- Added 412th TEC to USACE coordination and decision making processes for Severe Weather SOP in Vicksburg



LUNCH

Additional Videos located on the website:

- 2011 Operation Watershed Video
- Hurricane & Storm Damage Risk Reduction System (HSDRRS) Video



ARMY STRONG.™



BUILDING STRONG®



U.S. ARMY

ARMY STRONG™

Hurricane Outlook Presentation

Meteorologist in-Charge
Mississippi Valley Division

17 June 2015



®

US Army Corps of Engineers
BUILDING STRONG®





U.S. ARMY

ARMY STRONG™

Storm Surge New Orleans

Meteorologist in-Charge

NWO New Orleans/Baton Rouge

17 June 2015



US Army Corps of Engineers
BUILDING STRONG®





ARMY STRONG™

U.S. Army Corps of Engineers

Disaster Response Missions, Roles & Readiness

ESF #3 Permanent Team Leader
HQ USACE

17 June 2015



US Army Corps of Engineers
BUILDING STRONG®





U.S. ARMY

ARMY STRONG™

Geospatial Tools

Geospatial Coordinator
Mississippi Valley Division

17 June 2015



®

US Army Corps of Engineers
BUILDING STRONG®





U.S. ARMY

ARMY STRONG™

Effective Media Relations

Chief, Public Affairs Office
Mississippi Valley Division

17 June 2015



®

US Army Corps of Engineers
BUILDING STRONG®





U.S. ARMY

ARMY STRONG™

Hurricane Response and Recovery



®

US Army Corps of Engineers
BUILDING STRONG®



Concept of Operations

Hurricane



ARMY STRONG.™



BUILDING STRONG.®

HURRICANE Paco Scenario

Hurricane Paco formed from an area of low pressure off the northwestern coast of the Yucatan Peninsula at D-4 (96 hours). Paco became a tropical depression at D-3 (72 hours)...a tropical storm at D-2 (48 hours)...and a hurricane at D-1 (24 hours). Tides began running 1-3 feet above normal at 60 hours out and tropical storm force winds reached the coast at 18 hours out. Since then Paco has rapidly increased in strength into a major hurricane packing winds of 120mph. A Hurricane Warning was issued at D-2 (48 hours) from Intracoastal City, LA to Destin, FL...a tropical storm warning is in effect from Sabine Pass, TX to Intracoastal City, LA and from the Suwanee River to Destin, FL. The center made landfall near Grand Isle, LA about 30 minutes ago and continues inland over southeastern LA as a strong Category 3 hurricane packing winds of 120mph. The center of Paco is currently located just south of metro New Orleans and will continue inland as the day progresses. Heavy rains...some places over southern LA/MS have already recorded 10+”...and strong winds will continue throughout the day and night. Paco is moving fairly slow, so hurricane conditions will be experienced for a prolonged period of time.

- **Storm Surge:**

 - 7-11' along southern shores of LA

 - 9-15' along the eastern shores of LA

 - 8-15' on Lake Pontchartrain

 - 13-19' along the coast of MS

- **Rainfall amounts:**

 - 10-15” with locally higher amounts to 25” over LA/MS

 - 5-10” of rain is expected for the Lower Mississippi/Tennessee/

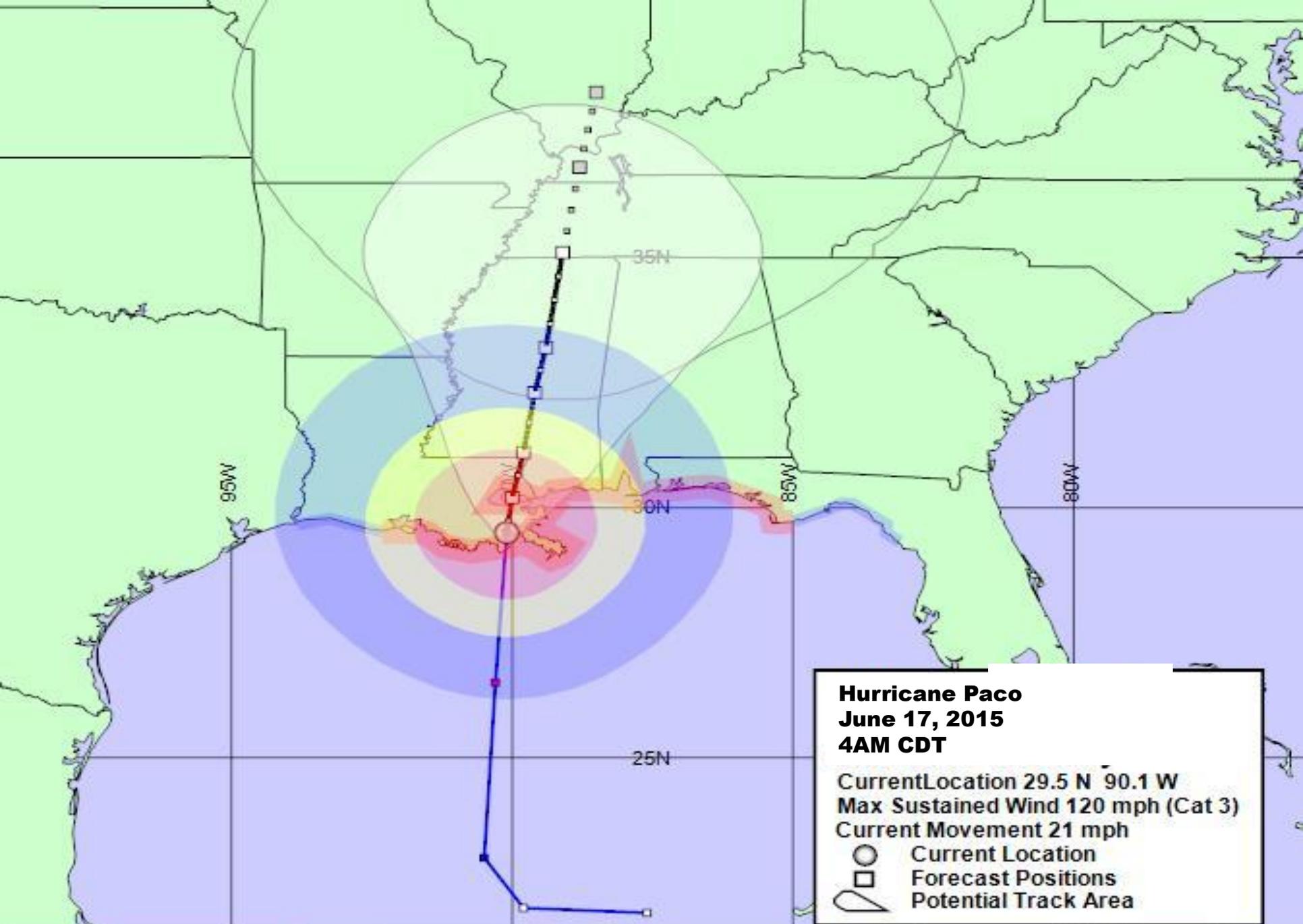
 - Ohio River Valleys as Paco moves inland.



ARMY STRONG.™



BUILDING STRONG.®



Hurricane Paco
June 17, 2015
4AM CDT

Current Location 29.5 N 90.1 W
Max Sustained Wind 120 mph (Cat 3)
Current Movement 21 mph

○ Current Location
□ Forecast Positions
Potential Track Area

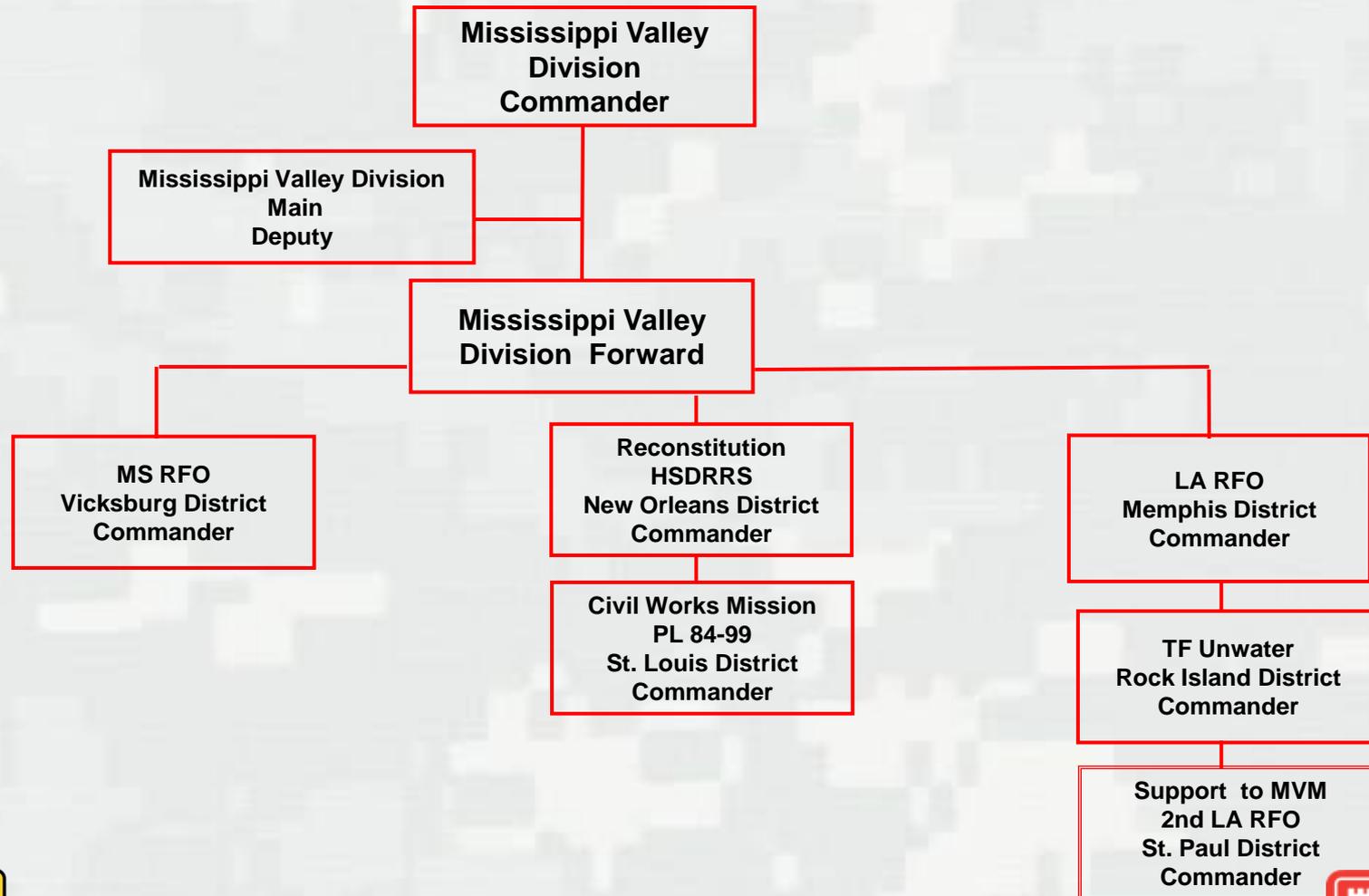
Hurricane Warning

Hurricane Watch

Trop. Storm Warning

Trop. Storm Watch

Hurricane Response Organization for CEMVD



Concept of Operations

Roles and Responsibilities

LA

MVM

- Staffs LA RFO For Execution of ESF #3 Missions
- Deploy Power PRT in LA

MVR

- Execution of Unwatering Mission
- Deploy Combined Commodity PRT to LA
- Provide flood fight materiel support from the Regional Flood Fight Center

MVS

- Supports New Orleans District in Executing PL 84-99 Missions
- Supports Execution of Inspection, Repair, and Operation of Critical Civil Works Facilities

MVD

MVN

- Project Inspections/repairs
- Executes Civil Works Program
- Debris PRT in LA
- Evacuation
- District Reconstitution

MVP

- Provide Temporary Housing/Critical Facilities PRT
- Support 2nd LA RFO

MS

MVK

- Staffs MS RFO For Execution of ESF #3 Missions
- Deploy Power PRT in MS
- Executes Civil Works Missions In District AOR

MVS

- Deploy Roofing PRT to MS



Hurricane (Pre-Landfall)

- H-96 - H- 72 Hours Phase II – Deployment
- H-72 - H - 0 Hours Phase III – Execution



ARMY STRONG.™



BUILDING STRONG®

Hurricane Pre-Landfall Discussion

Establishment and Execution of Trigger Points

- As a storm approaches our region, what are the Triggers the states and federal government take to begin preparation? What Triggers would drive the state/local to issue evacuation orders? Who can issue the order and what political and economic priorities that impact that decision?

Logistics Management

- As the storm approaches what commodities are needed the most and when should FEMA move them to fit within state plans? State pre-positioned and commodity contracts in place? Is FEMA Push Pack in line with supplemental support to State for initial response resources?
- Will the 2015 Hurricane season be used as a training opportunity to begin transitioning Commodities from USACE to FEMA? Are there plans to do Right Seat-Left Seat rides?



Hurricane Pre-Landfall Discussion

Essential Elements of Information's EEs

- What do the states want to know about the storm as it approaches? How (what information sharing tools) and who can get the information they need?

Planning Products – Local, State, Federal

- What storm modeling products are available to our States and Federal partners to assist them with making informed decisions?

Developing the Situation

- With the number of systems available to State and Federal agencies, how do we maintain situational awareness? What is the States definition of a Common Operating Picture? What is the Federal Common Operating Picture? How do we request and/or collect aerial imagery?

Hurricane Post Landfall Phase IV - Recovery



ARMY STRONG.™



BUILDING STRONG®

Hurricane Post-Landfall Discussion

- Where are the key nodes of coordination and who is located there?

Power Restoration

- Do States utilize the Emergency Power Facility Assessment Tool (EPFAT) to capture facility assessments and generator requirements? Are any State contracts in place or in support of a power mission?
- DOE process by which obtaining power outages/situational awareness from multiple electrical power energy companies? FEMA/USACE role in power restoration mission - FEMA owned Generator Packs versus FEMA or USACE leased? USACE Power PRT process/timeframe associated with an emergency power generator installation?



Hurricane Post-Landfall Discussion

Recovery Field Office (RFO)

- What preparedness activities have been conducted this year to establish a RFO in MS/LA to support multiple missions?

Port Closure and Reopening

- As a storm approaches, what are the procedures for closing a Port? As a community starts to recover, what are the procedures for reopening a major port and who can help with this major task?

Debris Management

- What are the local capabilities for removing debris? Will the Debris Pilot Program be extended beyond 27 Jun 15?
- What tools does USACE use for modeling debris missions? What do commanders need to know about the Debris mission?





U.S. ARMY

ARMY STRONG™

NDRF Overview

FEMA V NDRF Coordinator

17 June 2015



®

US Army Corps of Engineers
BUILDING STRONG®





U.S. ARMY

ARMY STRONG™

New Madrid Earthquake Concept of Operation for MVD

Civil Disaster Planner

Mississippi Valley Division

17 June 2015



®

US Army Corps of Engineers
BUILDING STRONG®



AARs/Hotwash



ARMY STRONG.™



BUILDING STRONG®

Closing Comments



ARMY STRONG.™



BUILDING STRONG®