



Validating National Capabilities

*Presentation to Executive Office of the President National Science and Technology Council
Subcommittee on Disaster Reduction*

July 13, 2017



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National Preparedness Goal

A secure and resilient Nation with the capabilities required across the whole community to prevent, protect against, mitigate, respond to, and recover from the threats and hazards that pose the greatest risk.

Preventing, avoiding, or stopping act of terrorism

Protecting our citizens, residents, visitors, assets, systems, and networks against the greatest threats

Mitigating loss of life and property by lessening impact of future disasters.

Responding quickly to save lives, protect property and the environment, and meet basic human needs

Recovering through a focus on the timely restoration, strengthening, and revitalization of infrastructure, housing and the economy

Prevention	Protection	Mitigation	Response	Recovery
Planning				
Public Information and Warning				
Operational Coordination				
Intelligence and Information Sharing		Community Resilience Long-term Vulnerability Reduction Risk and Disaster Resilience Assessment Threats and Hazards Identification	Infrastructure Systems	
Interdiction and Disruption			Critical Transportation Environmental Response/Health and Safety Fatality Management Services Fire Management and Suppression Logistics and Supply Chain Management Mass Care Services Mass Search and Rescue Operations On-scene Security, Protection, and Law Enforcement Operational Communications Public Health, Healthcare, and Emergency Medical Services Situational Assessment	Economic Recovery Health and Social Services Housing Natural and Cultural Resources
Forensics and Attribution	Access Control and Identity Verification Cybersecurity Physical Protective Measures Risk Management for Protection Programs and Activities Supply Chain Integrity and Security			

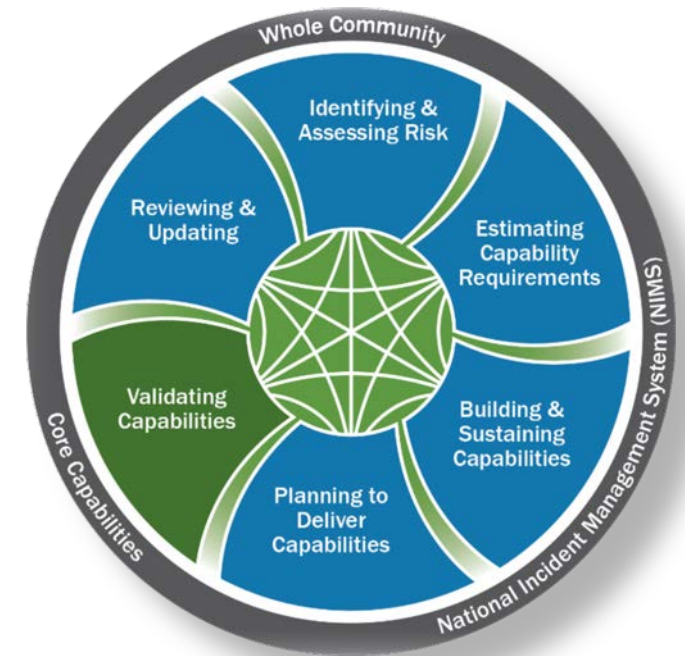


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National Preparedness System

Provides a systematic approach for identifying preparedness challenges to help set priorities and close gaps

- **Common system of processes and tools** that enables the whole community to move in the same direction and speak the same language to achieve the **National Preparedness Goal** of a secure and resilient nation
- As a key component of the National Preparedness System, the **National Exercise Program (NEP)** builds upon other components by **examining and validating core capabilities** across all preparedness mission areas (Prevention, Protection, Mitigation, Response, and Recovery)
- Provides a means to assess the ability to build, sustain, and deliver core capabilities of national focus; validate plans, training, and equipment; draw out resource gaps; and identify areas for improvement



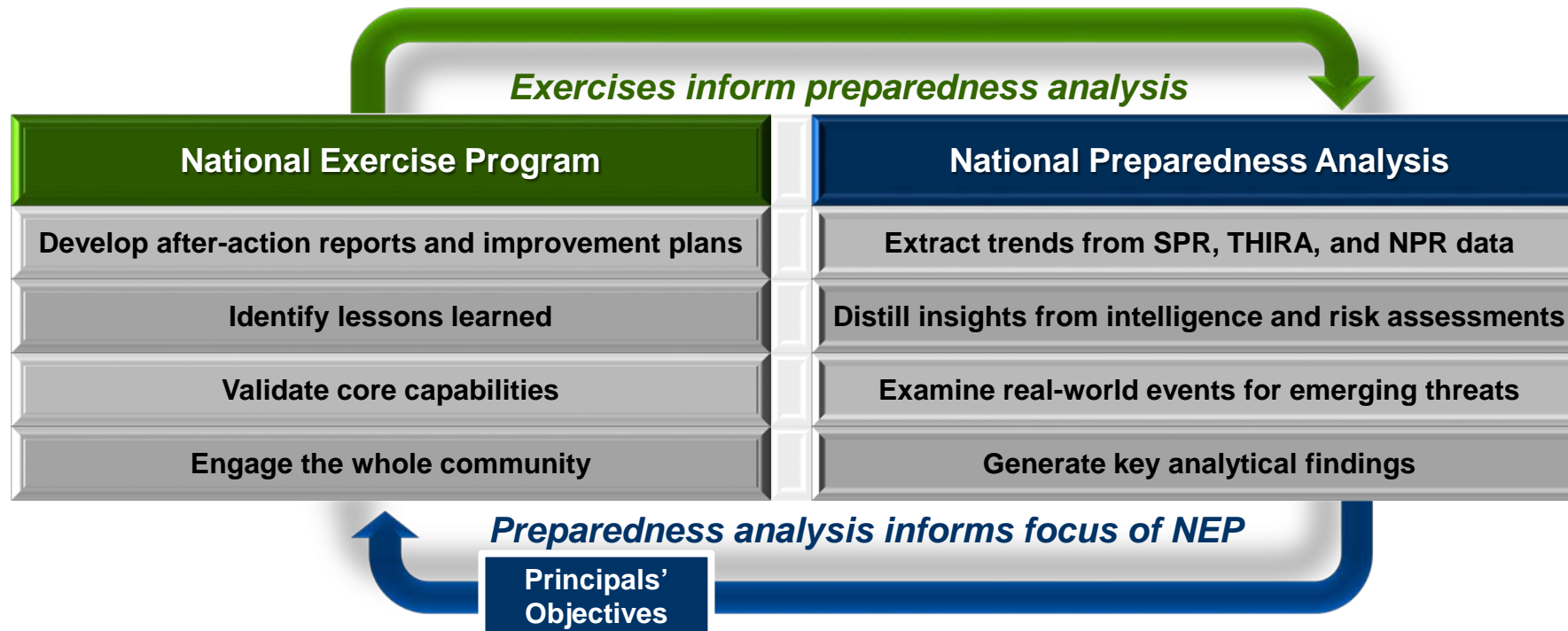
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National Exercise Program Governance

- Establishes **Principals' Objectives** that serve as the overarching strategic goals for each NEP two-year cycle.
- Places active stewardship of the program with senior policy coordinating committees
 - **Domestic Resilience Group Interagency Policy Coordination Committee.** Is the main forum for interagency coordination of homeland security and preparedness policy.
 - **Exercise and Evaluation Policy Coordinating Committee.** Is the main day-to-day forum for interagency coordination of national exercise policy.
 - **Exercise Implementation Committee.** EIC serves as the main interagency body charged with coordinating the day-to-day decisions needed to execute each NEP cycle.



National Exercise Program Two-Year Cycle



National Exercise Program 2017–2018 Cycle

Principals' Objectives

- 1. Intelligence and Information Sharing:** Examine and validate core capabilities and processes to rapidly exchange and analyze appropriate information (classified and unclassified) among federal, state, local, tribal, territorial, private sector, and international partners prior to and during an incident that threatens the security of the nation.
- 2. Lead Federal Agency Coordination:** Examine the ability of departments and agencies to identify and validate appropriate authorities and roles, lead federal agency responsibilities, incident management resources, and organizational and operational structures to prepare for, respond to, and recover from incidents where there is no clear lead federal agency identified in statute or regulation.
- 3. Multidisciplinary Response Operations:** Examine the ability of federal, state, local, tribal, and territorial jurisdictions to conduct integrated multijurisdictional and multi-disciplinary response planning, and to coordinate operations among law enforcement, fire and medical services, emergency management, and other whole community stakeholders for incidents with crisis and consequence management components such as complex terrorist attacks.



National Exercise Program 2017–2018 Cycle

Principals' Objectives

4. Cyber Coordination: Examine the ability of whole community stakeholders to implement national policy, frameworks, and guidance, and to apply relevant authorities, plans, procedures, and available resources to achieve a coordinated response to significant cyber incidents..

5. Recovery Coordination: Demonstrate the ability of the whole community, especially state, territorial, tribal, and local governments, to perform effective recovery coordination and planning in parallel with response operations to achieve long-term community recovery objectives.

6. Infectious Disease and Biological Incidents: Examine the ability of federal, state, local, tribal, and territorial jurisdictions to implement coordinated, integrated response structures and strategies; detect and categorize disease threats; address domestic and international public health implications; control and contain disease outbreaks; deliver public health and medical services; and communicate with external partners and the public during infectious disease pandemics and biological incidents .

7. Catastrophic Incidents: Examine the ability of the whole community to deliver lifesaving and life-sustaining capabilities to survivors following a catastrophic incident that severely affects communities and critical infrastructure.



National Exercise Program 2017–2018 Cycle Schedule

PRE-DECISIONAL DRAFT

As of 8/9/2017

2017 – 2018 National Exercise Program Calendar (Federal Interagency Exercises Only)

Exercise Name, Sponsor, and Description	Exercise Type and Date				Alignment to Principals' Objectives									
	Conduct Date	End Date	Jan 2017	Jul 2017	Jan 2016	Jul 2016	1	2	3	4	5	6	7	
PRESIDENTIAL TRANSITION EXERCISE PLE (Sponsor: FEMA) Tabletop exercise to familiarize incoming administration senior officials with domestic incident management doctrine, policies, best practices, and lessons learned	1/13/2017	1/13/2017	●				✓	✓	✓	✓	✓	✓	✓	Principals' Objectives
INTEGRATED ADVANCE (Sponsor: SOUTHCOM) Response to Caribbean mass migration, both OCONUS and CONUS, focusing on SOUTHCOM and NORTHCOM CONPLANs and DHS Operation Vigilant Sentry	2/24/2017	2/28/2017	●				✓	✓						1. Intelligence and Information Sharing
ICE STORM VI-01-2017 CYBER TTX (Sponsor: ODNI IC-SCC) Annual cyber incident response exercise with a focus on state and non-state sponsored attacks on commercial and USG critical infrastructure and networks	3/28/2017	3/28/2017	●				✓	✓	✓					2. Lead Federal Agency Coordination
CYBER SHIELD 2017 FSE (Sponsor: NGB) Annual National Guard Bureau cyber response exercise; participants include critical infrastructure industry partners, FBI, and DHS	4/1/2017	4/1/2017	●				✓	✓	✓					3. Multidisciplinary Response Operations
CROSS SECTOR CYBER TTX (Sponsor: DHS NCEPP) Federal and private industry exercise focused on cross-sector infrastructure (financial/electrical/communications) impacted by a cyber attack	4/1/2017	4/1/2017	●				✓		✓					4. Cyber Coordination
NLWAX 2016 SEM (Sponsor: DOD/DTRA) Nuclear Weapons Accident/Incident Senior Leadership Seminar hosted by DTRA	4/17/2017	4/17/2017	●				✓							5. Recovery Coordination
SOE 17-2: GOTHAM SHIELD 2017 TTX (DRG LEVEL) (Sponsor: NSC/DHS) A recovery exercise aligned with Gotham Shield, following the improvised nuclear device detonation	4/28/2017	4/28/2017	●							✓		✓		6. Infectious Disease and Biological Incidents
FUSION X FE (Sponsor: DHS I&A) Complex coordinated attack exercises focused on information sharing and analysis among fusion centers and partners	5/1/2017	5/1/2017	●				✓		✓					7. Catastrophic Incidents
GOTHAM SHIELD 2017 TTX, FE (Sponsor: NORTHCOM, FEMA) Prevention of, response to, and recovery from an improvised nuclear device in Canada and the New York/New Jersey area	6/1/2017	6/1/2017	●				✓	✓	✓					
CYBER GUARD PRELUDE 2017 FE (Sponsor: DHS NCEPP) A series of cyber events across the U.S. affecting public and private infrastructure; some locations will require NGB mobilization	6/23/2017	6/25/2017	●					✓		✓				
CLEAR PATH V (Sponsor: DOE) Annual exercise that examines energy sector response plans and impacts on the energy sector from a catastrophic incident	6/31/2017	6/1/2017	●					✓		✓				
CYBER GUARD 2017 FSE (Sponsor: DHS NCEPP) A series of cyber events across the U.S. affecting public and private infrastructure; some locations will require NGB mobilization	8/1/2017	8/30/2017	●					✓		✓				
EAGLE HORIZON 2017 FE (Sponsor: FEMA) Annual continuity of operations exercises for all executive branch departments and agencies	6/1/2017	6/1/2017	●				✓							
SOE 17-3: LARSEN HURRICANE (PC Level) (Sponsor: NSC/DHS) A hurricane exercise to ensure leveling of understanding and awareness of policies, processes, and plans for large Stafford Act response operations	6/23/2017	6/23/2017	●						✓				✓	
ICE STORM VI-02-2017 CYBER WAR GAME (Sponsor: ODNI IC-SCC) War game to validate operational processes and security expectations, both internal and external to the intelligence community	7/13/2017	7/13/2017	●						✓					
SHADOW FORTRESS - 2017 (Sponsor: ODNI) Annual ODNI exercise focusing on threats to the nation that require significant intelligence and information sharing	8/1/2017	8/1/2017	●				✓							
ICE STORM VI-03-2017 FE (Sponsor: ODNI IC-SCC) Annual cyber coordination incident response exercise intended to evaluate and improve cyber incident plans, policies, processes, systems, and personnel	10/17/2017	10/19/2017		●					✓					
SOE 17-4: BIOLOGICAL INCIDENT (DRG & DC LEVELS) (Sponsor: NSC/DHS) A bioterrorism exercise to examine and validate policies and plans regarding a large-scale biological incident	10/1/2017	10/1/2017		●								✓		
MARBLE CHALLENGE 18-01 (Sponsor: FBI) FBI-led interagency exercise to locate, identify, and disable weapons of mass destruction.	10/25/2017	10/25/2017		●					✓			✓	✓	
GRIDEX IV / SIC STATE FSE (Sponsor: NERC, E-ISAC, SCEMA, DOE) Exercises to assess response and recovery to widespread long-term power outages with cascading effects on citizens, infrastructure and environment	11/18/2017	11/18/2017		●			✓			✓		✓	✓	
GRIDEX IV 2017 (NERC) (Sponsor: NERC) Bilateral exercise for utilities to demonstrate responding to and recovering from coordinated cyber and physical security threats and incidents	11/18/2017	11/18/2017		●			✓			✓		✓	✓	
SOE 18-1: CYBER INCIDENT (DRS/CRG & PC LEVELS) (Sponsor: NSC/DHS) A cybersecurity exercise to address emerging cyber risks and threats and to examine cyber policies currently under development	2/1/2018	2/1/2018			●				✓					
CLEAR PATH VI (Sponsor: DOE) Annual exercise to examine energy sector response plans and impacts on the energy sector from a catastrophic incident	3/1/2018	3/1/2018			●					✓			✓	
CYBER STORM VI FSE (Sponsor: NCEPP) Congressionally mandated exercise that assesses and strengthens cyber preparedness, examines incident response, and enhances information sharing	3/1/2018	3/1/2018			●		✓	✓		✓				
NLWAX 2016 SEM (Sponsor: DOD/DTRA) Nuclear Weapons Accident/Incident Senior Leadership Seminar hosted by DTRA	4/1/2018	4/1/2018				●	✓							
CYBER SHIELD 2018 FSE (Sponsor: NGB) Annual National Guard Bureau cyber response exercise; participants include critical infrastructure industry partners, FBI, and DHS	4/1/2018	4/1/2018				●	✓		✓					
SOE 18-2: NLE 2018 PREPARATORY EXERCISE (Sponsor: NSC/DHS) Placeholder for a senior officials preparatory exercise prior to NLE 2018	4/1/2018	4/1/2018				●							✓	
NATIONAL LEVEL EXERCISE 2018 (Sponsor: FEMA) Placeholder for NLE 2018	4/30/2018	6/1/2018				●							✓	
ICE STORM 2018 FE (Sponsor: ODNI IC-SCC) Annual cyber coordination response exercise with a focus on cyber incident plans, policies, procedures, systems, and personnel	5/1/2018	5/1/2018				●	✓		✓					
CYBER GUARD PRELUDE 2018 FE (Sponsor: DHS NCEPP) A series of cyber events across the U.S. affecting public and private infrastructure; some locations will require NGB mobilization	6/1/2018	6/1/2018				●	✓	✓	✓					
ARDENT BENTRY 2018 FSE (Sponsor: DOD) Response to a major hurricane that makes landfall along the eastern seaboard causing catastrophic damage to homes, businesses, and critical infrastructure	6/1/2018	6/1/2018				●							✓	
SILVER PHOENIX TTX (Sponsor: FEMA) Examines authorities, capabilities, and coordination required to support long-term recovery efforts of local communities following a catastrophic disaster	6/1/2018	6/1/2018				●				✓				
CYBER GUARD 2018 FSE (Sponsor: DHS NCEPP) A series of cyber events across the U.S. affecting public and private infrastructure; some locations will require NGB mobilization	6/1/2018	6/1/2018				●	✓		✓					
EAGLE HORIZON 2018 FE (Sponsor: FEMA) Annual continuity of operations exercises for all executive branch departments and agencies	6/1/2018	6/1/2018				●	✓							

Exercise Type

- Seminar
- Tabletop
- Functional
- Full-Scale
- Virtual Tabletop
- Game



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PRE-DECISIONAL DRAFT

National Exercise Program Benefits

- **Contribute to Preparedness:** Influence and inform policy, resource allocation, and preparedness programs
- **Expanding Relationships:** enhance relationships with national partners
- **Tools and Resources:** Access tools and resources, such as templates and analysis, that will help whole community to design exercises that link to other preparedness activities
- **Exercise Design and Delivery Assistance:** Opportunity for support to assist with exercise design, scenario development, planning, conduct, and evaluation



Exercise Resource Assistance

Pre-packaged exercise toolkit development to assist exercise planners develop tabletop exercises aligned to the National Exercise Program 2017-2018 Cycle Principals' Objectives

- Each of the seven toolkit packages will include ready-to-use materials and templates to develop, conduct, and evaluate an exercise aligned to one of the seven Principals' Objectives
- These materials are in the pilot phase, after which they will be made available to whole community.



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National Exercise Program Participation

- Determine exercises that align with one or more of the Principals' Objectives and that support your organization's priorities
- Identify collaboration points with local, state, and/or Federal partners
- Submit nomination forms to the NEP e-mail account (nep@fema.dhs.gov)

For more Information and to Download National Exercise Program Nomination Form at the FEMA Website:
(www.fema.gov/nep)



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National Level Exercise Background

National Level Exercise 2018 serves as the culminating event for the National Exercise Program 2017-2018 Cycle

- The Post-Katrina Emergency Management Reform Act of 2006 states that the FEMA Administrator shall conduct national level exercises biennially to:
 - “test and evaluate the capability of Federal, State, local, and tribal governments to detect, disrupt, and prevent threatened or actual catastrophic acts of terrorism, especially those involving weapons of mass destruction” (as the Capstone 2016 exercise did last year), and
 - “test and evaluate the readiness of Federal, State, local, and tribal governments to **respond and recover in a coordinated and unified manner to catastrophic incidents.**”

United States Code, Title 6, Chapter 2, Subchapter II, Part A, Section 748(b)(3)



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National Level Exercise 2018

National Level Exercise 2018 will examine the ability of all levels of government, private industry, nongovernmental organizations, communities, and individuals to protect against, respond to, and recover from a major hurricane with localized catastrophic impacts.

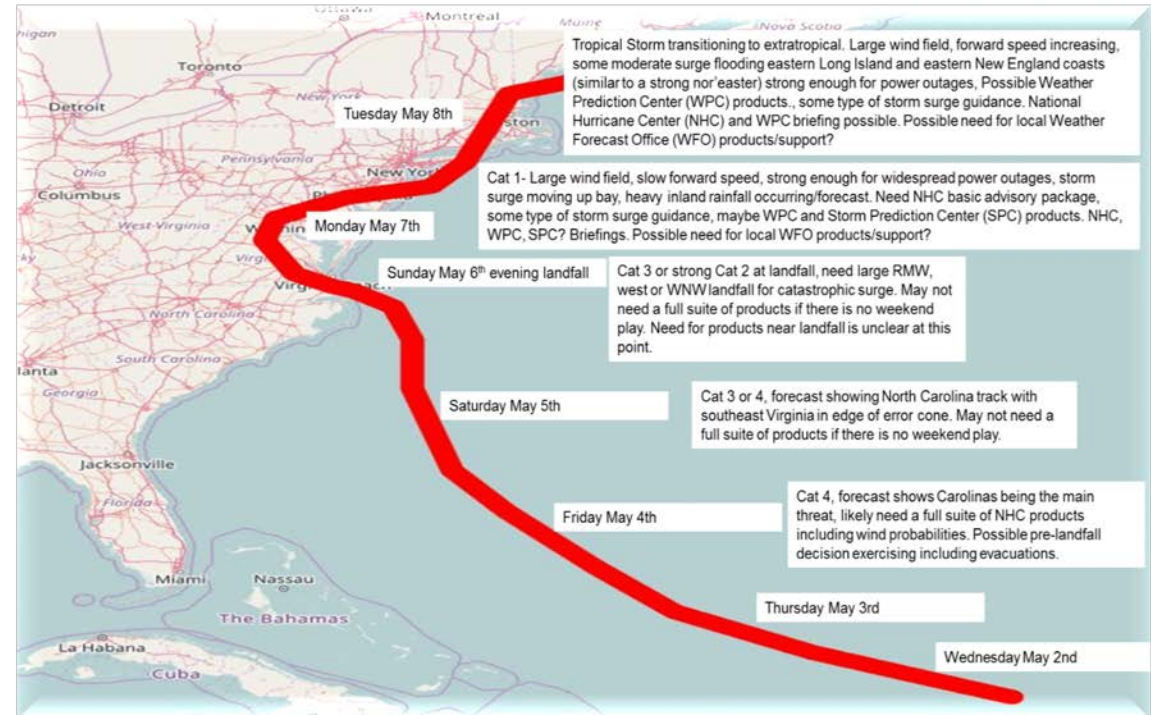
- **Principals' Objectives Under Examination:**
 - Catastrophic Incidents
 - Recovery Coordination
- **Scenario:** Catastrophic East Coast Hurricane Impacting the National Capital Region
- **Exercise Themes:**
 - Pre-Landfall Protective Actions
 - Sustained Response in Parallel with Recovery Planning
 - Continuity in a Natural Disaster
 - Long-Term Power Outage Consequence Management



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Scenario Elements

- Category 3 or 4 hurricane makes landfall in Virginia, causing severe loss of life and damage to residences, businesses, and critical infrastructure throughout the Mid-Atlantic region
- Storm causes long-term power outages and cascading effects to critical infrastructure in the National Capital Region, including transportation and communications systems



Notional National Level
Exercise 2018 Storm Track
(Under Development)



www.fema.gov/nep

nep@fema.dhs.gov



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