

Virginia Department of Emergency Management



Exercise Series

May-July 2008



Operation Cardinal Freeze Tabletop
VECTOR Tabletop and Drills
State Shelter Workshop

Series Executive Summary

EXECUTIVE SUMMARY

This page is intentionally blank.

VERTEX 2008

FINAL CONSOLIDATED AFTER-ACTION REPORT AND IMPROVEMENT PLAN

EXECUTIVE SUMMARY

January 9, 2009

Includes:

Operation Cardinal Freeze Tabletop, March 20, 2008

VECTOR Tabletop and Drills, May 2-3, 2008

State Shelter Workshop and Walkthrough, July 16, 2008

This page is intentionally blank.

HANDLING INSTRUCTIONS

1. The title of this document is the Consolidated Virginia Emergency Response Team Exercise (VERTEX) 2008 After-Action Report (AAR) and Improvement Plan (IP) Executive Summary.
2. Points of contact:

Virginia Department of Emergency Management

10501 Trade Court

Richmond, Virginia 23236

Phone: (804) 897-6500

E-mail: www.vaemergency.com

CONTENTS

Executive Summary	i
Section 1: Exercise Overview	1
Operation Cardinal Freeze Tabletop	1
Exercise Objectives	1
Exercise Details	2
Exercise Planning Team	3
Participating Organizations	4
Observing Organizations	5
Section 2: Exercise Overview	6
VECTOR Tabletop and Drills	6
Exercise Objectives	7
Exercise Details	8
Exercise Planning Team	10
TTX Participating Organizations	11
TTX Observing Organizations	11
Fredericksburg POD Drill Participating Organizations	12
Fredericksburg POD Drill Observing Organizations	13
King George POD Drill Participating Organizations	13
King George POD Drill Observing Organizations.....	13
Section 1: Exercise Overview	15
State Shelter Workshop and Walkthrough	15
Exercise Objectives	16
Exercise Details	16
Exercise Planning Team	17
Participating Organizations	18
Observing Organizations	19
Appendix A: Acronyms	20
Appendix B: Virginia Emergency Support Function (ESF) Matrix	23

EXECUTIVE SUMMARY

The overall structure of this consolidated AAR is a combination of the three individual AARs for the Virginia Emergency Response Team Exercise (VERTEX) 2008: the Operation Cardinal Freeze Tabletop Exercise, the Virginia Evacuation Coordination Team for Operational Response (VECTOR) Tabletop Exercise and Drills, and the State Shelter Workshop and Walkthrough.

Section 1: Operation Cardinal Freeze Tabletop Exercise Overview

The Virginia Department of Emergency Management’s (VDEM’s) VERTEX 2008 Operation Cardinal Freeze Tabletop Exercise (TTX) was developed to test the Emergency Operations Center Management, Emergency Public Information and Warning, and Mass Care capabilities of the Virginia Emergency Response Team (VERT). The exercise planning team comprised various agencies and organizations in the Commonwealth of Virginia who would be directly involved as decisionmakers and stakeholders during a large-scale ice storm. The exercise planning team discussed issues regarding the policies and procedures of participating agencies in response to an ice storm. Emphasis was placed on State-level emergency response coordination, public warning, sheltering, and mass care. The planning committee met twice before the exercise—the initial planning conference (IPC) was held on January 8, 2008, and the final planning conference (FPC) on February 21, 2008. The TTX included participants and observers from various State and Federal agencies, as well as non-governmental organizations (NGOs), utility companies, and contractors, who contributed to or observed activity at one of the seven discussion tables.

Based on the exercise planning team’s deliberations, the following objectives were developed for the Operation Cardinal Freeze TTX:

Objectives	Capabilities	Activities
1. Discuss and examine the Commonwealth’s plans and procedures to conduct response and recovery operations and the processes to share critical information and maintain situational awareness with jurisdictions impacted by a severe winter storm.	Emergency Operations Center Management	2, 3, 6
2. Explain and discuss the VERT’s plans and procedures to define requirements, and locate, acquire, distribute, and account for critical personnel, facilities, and material in support of the response.	Emergency Operations Center Management	2, 7
3. Define and discuss the plans, processes, and capabilities of the VERT to support the sheltering of an impacted population from a severe storm.	Mass Care (Sheltering, Feeding, and Related Services)	1
4. Identify and examine the processes to be used to provide timely and accurate emergency information to the media and the public.	Emergency Public Information and Warning	1

SECTION 1: OPERATION CARDINAL FREEZE TABLETOP EXERCISE OVERVIEW (CON'T)

This section provides the exercise overview from each of the three VERTEX 2008 exercises, including the participants and planning team members.

Exercise Details

Exercise Name

VERTEX 2008 Operation Cardinal Freeze Tabletop Exercise (TTX)

Type of Exercise

TTX

Exercise Start Date

March 20, 2008

Exercise End Date

March 20, 2008

Duration

7 hours on March 20, 2008

Location

Virginia Emergency Operations Center (VEOC) in Richmond, VA

Sponsor

Virginia Department of Emergency Management (VDEM)

Program

State Homeland Security Grant Program

Mission

- Prevent
- Protect
- Response
- Recovery

Capabilities

- Emergency Operations Center Management
- Emergency Public Information and Warning
- Mass Care (Sheltering, Feeding, and Related Services)

Scenario Type

- Chemical release or threat (C)
- Biological release or threat (B)
- Radiological release or threat (R)
- Nuclear detonation or threat (N)
- Explosive detonation or threat (E)
- Cyber (Y)
- Other/specify (O): Response to and recovery from a heavy statewide ice storm.

Exercise Planning Team

Commonwealth Exercise Planning

Contract Exercise Support

Participating Organizations

Commonwealth Agencies and Other Entities:

- VDEM
- Department of Agriculture and Consumer Services (VDACS)
- Department of Criminal Justice Services (DCJS)
- Department of Fire Programs (DFP)
- Department of Health (VDH)
- Department of Military Affairs/Virginia Army National Guard (DMA/VaNG)
- Department of Rail and Public Transport (DRPT)
- Department of Social Services (VDSS)
- Department of Transportation (VDOT)
- Economic Development Partnership (VEDP)
- Information Technologies Agency (VITA)
- Office of the Chief Medical Examiner (OCME)
- Office of Drinking Water (ODW)
- State Corporation Commission (SCC)
- State Police (VSP)

Non-Governmental Organizations (NGOs):

- American Red Cross (ARC)
- Dominion Power
- Garner Environmental
- Near Southwest Regional Hospital Coordination Center (Near SW RHCC)
- Virginia, Maryland, and Delaware Association of Electrical Cooperatives

Observing Organizations

Agencies and NGOs:

- United States Department of Homeland Security (DHS)
- United States Postal Service (USPS)
- Office of the Virginia Secretary of Health and Human Resources
- Amateur Radio Communications Auxiliary (VDEM/ARCA)
- Amateur Radio Emergency Service/Radio Amateur Civil Emergency Service (ARES/RACES)
- Association of Contingency Planners (ACP)

Number of Participants

- Participants70
- Observers23
- Evaluators10
- Facilitators8
- VIPs2
- **Total113**

Section 2: VECTOR Tabletop and Drills Exercise Overview

VDEM's VERTEX 2008 VECTOR Tabletop Exercise (TTX) was developed to test the evacuation, mass care, State-level emergency operations center (EOC) management, and emergency public information and warning capabilities of the VERT. The emphasis of this tabletop was not on the entire VERT, but only the Virginia Evacuation Coordination Team for Operational Response (VECTOR) task force of the VERT. This tabletop was specifically designed to assist the VECTOR group in identifying updates and/or changes necessary to its standard operating procedures (SOPs) before the 2008 hurricane season. The accompanying points of distribution (POD) drills in two of the localities in Region 2 were designed with resource distribution in mind.

The exercise planning team comprised various agencies and organizations in the Commonwealth of Virginia who would be directly involved as decisionmakers and stakeholders during an actual hurricane/evacuation event. The exercise planning team discussed issues regarding the policies and procedures of participating agencies and jurisdictions in response to this kind of event. The planning committee met twice before the exercise—the initial planning conference (IPC) was held on February 7, 2008, and the final planning conference (FPC) on March 27, 2008.

The TTX included participants and observers from various local, State, and Federal agencies, and non-governmental organizations (NGOs) such as private companies and higher education institutions. Only the core VECTOR individuals were actual participants in the exercise. However, agency members who normally work with them were nearby and available for “reach-back,” including local jurisdictional representatives. The rest of those present were observers sitting around the perimeter.

Homeland Security Exercise and Evaluation Program (HSEEP)

**After-Action Report
(AAR)**

**VERTEX 2008
Exercise Series**

Based on the exercise planning team’s decisions, the following objectives were developed for the VECTOR TTX and POD Drills:

VECTOR TTX		
Objectives	Capabilities	Activities
1. Discuss the Commonwealth’s plans and identify courses of action to support the evacuation and sheltering of a large population before a hurricane impacting the east coast.	Citizen Evacuation and Shelter-In-Place	1, 3, 5
	Emergency Operations Center Management	4
	Mass Care (Sheltering, Feeding, and Related Services)	1, 3
2. Determine requirements to locate, acquire, and plan for the distribution and accounting of critical personnel, facilities, and material in support of the response.	Emergency Operations Center Management	7
3. Verify the procedures to coordinate and to share critical information with jurisdictions and provide emergency information to the media and the public.	Emergency Operations Center Management	3, 7
4. Examine and discuss the integrated coordination efforts, communications, and response capabilities among hospital, health, and emergency management entities in response to a hurricane affecting hospital operations.	Emergency Operations Center Management	3
5. Assess the ability of the joint information center (JIC) to provide emergency information to the media and the public.	Emergency Public Information and Warning	1, 4, 5

VECTOR POD Drills			
Objective	Capability	Activities	Tasks
1. Plan for and conduct POD operations.	Critical Resource Logistics and Distribution	1	1.2
		2	2.1, 2.5
		7	7.1

Section 2: VECTOR Tabletop and Drills Exercise Overview (Cont)

VECTOR Tabletop and Drills

Exercise Details

Exercise Name

VERTEX 2008 VECTOR TTX and Drills

Type of Exercise

TTX and Drills

Exercise Start Date

May 2–3, 2008

Exercise End Date

May 2–3, 2008

Duration

6 hours on May 2, 2008, and 5 hours on May 3, 2008

Location(s)

TTX: Virginia Emergency Operations Center (VEOC) in Richmond, VA

POD Drills:

- City of Fredericksburg – Walker Grant Middle School, Fredericksburg, VA
- King George County – King George High School, King George, VA

Sponsor

VDEM

Program

State Homeland Security Grant Program

Mission

- Prevent
- Protect
- Response
- Recovery

Capabilities

- Citizen Evacuation and Shelter-In-Place
- Critical Resource Logistics and Distribution
- Emergency Operations Center Management
- Emergency Public Information and Warning
- Mass Care (Sheltering, Feeding, and Related Services)

Scenario Type

- Chemical release or threat (C)
- Biological release or threat (B)
- Radiological release or threat (R)
- Nuclear detonation or threat (N)
- Explosive detonation or threat (E)
- Cyber (Y)
- Other/specify (O): Response to and recovery from NLE 2-08 hurricane storm file Zoe

Exercise Planning Team

Commonwealth Exercise Planning

Locality Exercise Planning

Contract Exercise Support

TTX – Participating Organizations

Commonwealth Agencies and Other Entities:

- VDEM
- Virginia Emergency Response Team (VERT)
- Department of Agriculture and Consumer Services (VDACS)
- Department of Corrections (DOC)
- Department of Health (VDH)
- Department of Military Affairs/Virginia Army National Guard (DMA/VaNG)
- Department of Rail and Public Transport (DRPT)
- Department of Social Services (VDSS)
- Department of Transportation (VDOT)
- State Police (VSP)
- Tourism Corporation (VTC)

TTX – Observing Organizations

Commonwealth Agencies and Other Entities:

- Central Virginia 211 System
- Development Housing and Development Authority (VA DHDA)
- Office of Health and Human Resources (HHR)
- State Pharmacy Consultant

Local Jurisdictions:

- City of Hampton
- City of Norfolk
- City of Virginia Beach
- Hampton Roads Transit (HRT)

Federal Agencies:

- United States Department of Homeland Security (DHS)
- Federal Emergency Management Agency (FEMA) Region III

Non-Governmental Organizations (NGOs):

- The Home Depot
- Lockheed Martin Corporation (LMCO)
- Lowe’s
- United Parcel Service (UPS)
- Voluntary Organizations Active in Disasters (VA VOAD)

Number of Participants (TTX)

- Participants52
- Observers47
- Facilitators/Evaluators4
- VIP1
- Total104

Fredericksburg POD Drill – Participating Organizations

City:

- Emergency Management
- Fire/Rescue
- Police
- Public Information Officer
- Public Works

Commonwealth:

- Virginia Army National Guard (VaNG)

Non-Governmental Organizations (NGOs):

- Boy Scouts of America – Troop 1410
- Hertz
- Nestle
- Wal-Mart

Fredericksburg POD Drill – Observing Organizations

Commonwealth:

- VDEM

Number of Participants (Fredericksburg POD Drill)

- Participants49
- Observers6
- Facilitators/Evaluators4
- **Total****59**

King George POD Drill – Participating Organizations

County:

- Community Emergency Response Team (CERT)
- Emergency Management
- Parks and Recreation

Commonwealth:

- Virginia Army National Guard (VaNG)

Federal:

- Federal Emergency Management Agency (FEMA) Region III

NGOs:

- Nestle
- Wal-Mart

King George POD Drill – Observing Organizations

County:

- Sheriff's Office

Commonwealth:

- VDEM
- Department of Criminal Justice Services (DCJS)

Homeland Security Exercise and Evaluation Program (HSEEP)

**After-Action Report
(AAR)**

**VERTEX 2008
Exercise Series**

- Emergency Response Team (VERT)
- Emergency Operations Center (VEOC)

Number of Participants (King George POD Drill)

- Participants74
- Observers10
- Facilitators/Evaluators2
- **Total86**

Please note that the above exercise objectives are coupled with the applicable HSEEP EEG capabilities and the appropriate activities within them.

Section 3: State Shelter Workshop and Walkthrough Drill Exercise Overview

VDEM's VERTEX 2008 State Shelter Workshop and Walkthrough was developed to assess the Commonwealth's ability to support and conduct sheltering operations, especially during a major weather event. The idea behind this workshop was to bring together higher education institutions from across the Commonwealth that have been designated as SMSs so that they can, in conjunction with the VDSS and other "State stakeholder" agencies, work through the major issues as a whole. This workshop was specifically designed to assist the VDSS in identifying the needs of the overall SMS plan, as well as what issues each SMS may face in the process.

The exercise planning team comprised a small group of VDSS representatives who have direct contact with the SMSs across the Commonwealth of Virginia. They discussed issues regarding the policies and procedures of participating institutions and agencies and how they would relate to the overall "generic" SMS plan, as well as those tailored specifically for each SMS. The planning committee met three times before the exercise: via a conference call on April 7, 2008; the initial planning conference (IPC) on May 30, 2008; and the final planning conference (FPC) on June 17, 2008.

The workshop included participants and observers from various State and local agencies and non-governmental organizations (NGOs) such as higher education institutions and private companies. Most of those present were participants, either representing the SMS institutions, the VDSS, or the State stakeholder agencies (both State and local employees in this exercise, but primarily from the State), but there were a few observers and VIPs present as well.

Based on the exercise planning team’s decisions, the following objectives were developed for the VERTEX 2008 State Shelter Workshop and Walkthrough:

Objectives	Capabilities	Activities
1. Assess the ability of the Commonwealth to support and conduct sheltering operations.	Mass Care (Sheltering, Feeding, and Related Services)	1
2. Demonstrate the Commonwealth’s ability to conduct mass care operations during a major weather event.	Mass Care (Sheltering, Feeding, and Related Services)	1, 3

Please note that the above exercise objectives are coupled with the applicable HSEEP EEG capabilities and the appropriate activities within them.

The purpose of this report is to analyze exercise results, identify strengths to be maintained and built upon, identify potential areas for further improvement, and support development of corrective actions.

State Shelter Workshop and Walkthrough

Exercise Details

Exercise Name

VERTEX 2008 State Shelter Workshop and Walkthrough

Type of Exercise

Workshop/Walkthrough

Exercise Start Date

July 16, 2008

Exercise End Date

July 16, 2008

Duration

4 hours for workshop, 1 hour for walkthrough, 30 minutes for debriefing

Location(s)

- **Workshop:** Virginia Commonwealth University (VCU) Parlors at the Sports Medicine Building in Richmond, VA
- **Walkthrough:** VCU Siegel Center in Richmond, VA

Sponsor

VDEM

Program

State Homeland Security Grant Program

Mission

- Prevent
- Protect
- Response
- Recovery

Capability

- Mass Care (Sheltering, Feeding, and Related Services)

Scenario Type

- Chemical release or threat (C)
- Biological release or threat (B)
- Radiological release or threat (R)
- Nuclear detonation or threat (N)
- Explosive detonation or threat (E)
- Cyber (Y)
- Other/specify (O): Response to and recovery from major weather events and other incidents requiring State-managed shelters

Exercise Planning Team

Commonwealth Exercise Planning

Contract Exercise Support

Participating Organizations

State-Managed Shelters:

- Virginia Commonwealth University (VCU)
- College of William & Mary
- Paul D. Camp Community College (PDCCC)
- University of Virginia (UVA)
- Richard Bland College (RBC)
- Virginia Military Institute (VMI)
- James Madison University (JMU)
- Virginia Tech
- Christopher Newport University (CNU)
- VA Western Community College
- Patrick Henry Community College (PHCC)
- Longwood University

Commonwealth Support Agencies:

- Department of Social Services (VDSS)
 - Division of Child Support Enforcement (DCSE), Central Area
 - Emergency Communications Center (ECC)
 - ECC Mobile Command
 - Office of Emergency Management (OEM)
 - State Animal Response Team (SART)
- VDEM
- Army National Guard (VaNG)
- Department of Agriculture and Consumer Services (VDACS)
- Department of Health (VDH)
- Department of Human Resource Management (DHRM)
- Department of Mental Health, Mental Retardation and Substance Abuse Services (DMHMRSAS)
- Information Technologies Agency (VITA), via Northrop Grumman IT Partnership
- State Police (VSP)

Other Support Entities:

- City of Richmond Health Department
- Northrop Grumman (VITA IT Partnership)

Observing Organizations

Commonwealth Entities:

- Department of Health and Human Resources (HHR) Deputy Secretary
- VDH Commissioner
- VDSS Commissioner

Non-Governmental Organizations (NGO):

- VDH/VCU Preventive Medicine

Number of Participants (TTX)

• Participants	59
• Observers	2
• Facilitators/Evaluators	10
• VIPs	3
• Total	74

APPENDIX A: ACRONYMS

Acronym	Meaning
AAR	After-Action Report
AEP	Appalachian Power (American Electric Power)
BFT	Blue Force Tracker
CNU	Christopher Newport University
COVEOP	Commonwealth of Virginia Emergency Operations Plan
COWs	Cells on Wheels
DCSE	Division of Child Support Enforcement (Virginia Department of Social Services)
DFO	Disaster Field Office
DMHMRSAS	Virginia Department of Mental Health, Mental Retardation and Substance Abuse Services
DHRM	Department of Human Resource Management
DHS	U.S. Department of Homeland Security
ECC	Emergency Communications Center
EEG	Exercise Evaluation Guide
EMAC	Emergency Management Assistance Compact
EMS	Emergency Medical Services
EOC	Emergency Operations Center
EOP	Emergency Operating Procedure
ERQP	Emergency Response Quarters Party
ESF	Emergency Support Function (see Appendix B)
FE	Functional Exercise
FEMA	Federal Emergency Management Agency
FOUO	For Official Use Only
FPS	Federal Protective Service
FSE	Full-Scale Exercise

Homeland Security Exercise and Evaluation Program (HSEEP)

**After-Action Report
(AAR)**

**VERTEX 2008
Exercise Series**

Acronym	Meaning
HHR	Virginia Department of Health and Human Resources
IAP	Incident Action Plan
ICS	Incident Command System
IOF	Initial Operating Facility
JIC	Joint Information Center
JMU	James Madison University
MACC	Multi-Agency Coordination Center
MOA	Memorandum of Agreement
NOAA	National Oceanic and Atmospheric Administration
NIMS	National Incident Management System
NWS	National Weather Service
OCME	Office of the Chief Medical Examiner
OEM	Office of Emergency Management
PAO	Public Affairs Office
PDCCC	Paul D. Camp Community College
PHCC	Patrick Henry Community College
PIO	Public Information Officer
PR	Public Relations
RACES	Radio Amateur Civil Emergency Service
RBC	Richard Bland College
RHCC	Regional Hospital Coordination Center
RFI	Request for Information
RSOI	Reception, Staging, Onward movement, and Integration
SALTT	Size, Amount, Location, Type of Resource, and Timeframe
SART	State Animal Response Team
SOP	Standard Operating Procedure

Homeland Security Exercise and Evaluation Program (HSEEP)

**After-Action Report
(AAR)**

**VERTEX 2008
Exercise Series**

Acronym	Meaning
SWVMHI	Southwestern Virginia Mental Health Institute
TCL	Target Capabilities List
TIPS	Tactical Information Processing System
TTX	Tabletop Exercise
UVA	University of Virginia
VaNG	Virginia Army National Guard
VCU	Virginia Commonwealth University
VDACS	Virginia Department of Agriculture and Consumer Services
VDEM	Virginia Department of Emergency Management
VDH	Virginia Department of Health
VDOT	Virginia Department of Transportation
VDSS	Virginia Department of Social Services
VDSS ECC	Virginia Department of Social Services, Emergency Communications Center
VDSS OEM	Virginia Department of Social Services, Office of Emergency Management
VECTOR	Virginia Evacuation Coordination Team for Operational Response
VEOC	Virginia Emergency Operations Center
VERTEX	Virginia Emergency Response Team Exercise
VITA	Virginia Information Technologies Agency
VMI	Virginia Military Institute
VOAD	Voluntary Organizations Active in Disasters
VSP	Virginia State Police

Appendix B: Virginia Emergency Support Function (ESF) Matrix¹

ESF	State Coordinators	Scope
ESF #1 – Transportation	Primary – Transportation Support – Aviation; Chesapeake Bay Bridge-Tunnel District; General Services; Military Affairs; Mines, Minerals & Energy; Motor Vehicles; Rail & Public Transportation; State Police; Virginia Port Authority; Civil Air Patrol	<ul style="list-style-type: none"> • State and civil transportation support • Transportation safety • Coordination of restoration, recovery and reconstruction of transportation infrastructure • Movement restrictions • Damage and impact assessment
ESF #2 – Communications	Primary – Information Technology Support – Aviation; Chesapeake Bay Bridge-Tunnel District, General Services; Military Affairs; Mines, Minerals & Energy; DMV; Rail & Public Transportation; State Police, Transportation; Virginia Port Authority; Civil Air Patrol	<ul style="list-style-type: none"> • Coordination with telecommunications industry • Restoration/repair of telecommunications infrastructure • Protection, restoration, and maintenance of state cyber and information technology resources
ESF #3 – Public Works and Engineering	Primary – Military Affairs Support – Environmental Quality; Emergency Management; General Services; Health; Mines, Minerals & Energy; Transportation; Professional Engineers Emergency Response Team	<ul style="list-style-type: none"> • Infrastructure protection and emergency repair • Damage and impact assessment • Infrastructure restoration and reconstruction • Engineering services, construction management • Critical infrastructure liaison • Recovery infrastructure assistance
ESF #4 – Firefighting	Primary – Fire Programs, Forestry Support – Conservation and Recreation; DEQ; Military Affairs; State Police; DHCD-State Fire Marshal's Office	<ul style="list-style-type: none"> • Firefighting activities on State lands • Resource support to rural and urban firefighting operations
ESF #5 – Emergency Management	Primary – Emergency Management Support – Environmental Quality; Forestry; Military Affairs	<ul style="list-style-type: none"> • Coordination of incident management efforts • Issuance of mission assignments • Coordinate notification/deployment of human capital • Financial management

Homeland Security Exercise and Evaluation Program (HSEEP)

**After-Action Report
(AAR)**

**VERTEX 2008
Exercise Series**

<p>ESF #6 – Mass Care, Housing, and Human Services</p>	<p>Primary – Social Services (VDSS) Support - American Red Cross; Criminal Justice Services; VDEM; General Services; Health; Higher Education Institutions in Virginia; Housing and Community Development; DMHMRSAS; Military Affairs; VDACS; Virginia State Police; VITA; Virginia VOAD; The Salvation Army; Criminal Injuries Compensation Fund (Workers Comp. Commission)</p>	<ul style="list-style-type: none"> • Mass care and sheltering • Temporary housing • Coordination of repair and restoration of housing • Human services • Recovery assistance to individuals & households • Family Assistance Center
<p>ESF #7 – Resource Support</p>	<p>Primary – VDEM Support – VDACS; Aviation; Corrections; Criminal Justice Services; Fire Programs; Forestry; General Services; Health; Housing & Community Development; Military Affairs; Motor Vehicles; State Police; Transportation; Virginia VOAD</p>	<ul style="list-style-type: none"> • Resource Support (facility space, office equipment and supplies, contracting services, etc.)
<p>ESF #8 – Health and Medical Services</p>	<p>Primary – Health Support – American Red Cross; VDACS; DEQ; General Services; Health Professions; DMHMRSAS; Military Affairs; Motor Vehicles; State Police; DSS; DGIF; Virginia Hospital and Healthcare Association</p>	<ul style="list-style-type: none"> • Public health services • Medical services • Mental health services • Mortuary services
<p>ESF #9 – Search and Rescue</p>	<p>Primary – Emergency Management Support – Fire Programs; State Police</p>	<ul style="list-style-type: none"> • Life-saving assistance • Search and rescue
<p>ESF #10 – Oil and Hazardous Materials Response</p>	<p>Primary – Emergency Management; Environmental Quality Support – Health; Labor and Industry</p>	<ul style="list-style-type: none"> • Oil and hazardous materials (chemical, biological, radiological, etc.) response • Environmental safety and short- and long-term cleanup • Health and safety of emergency workers
<p>ESF #11 – Agriculture and Natural Resources</p>	<p>Primary – Agriculture Support - Conservation & Recreation; Corrections; Environmental Quality; Forestry; DGIF; General Services; Health; Historic Resources; Marine Resources; DMHMRSAS; Military Affairs; DSS; State Police; Virginia VOAD (Volunteer Organizations Active in Disasters); Transportation</p>	<ul style="list-style-type: none"> • Nutrition assistance • Animal and plant disease/pest response • Food safety and security • Natural and cultural resources protection and restoration • Historic properties protection and restoration • Animal care and control (pets, livestock, wildlife)

Homeland Security Exercise and Evaluation Program (HSEEP)

**After-Action Report
(AAR)**

**VERTEX 2008
Exercise Series**

ESF #12 – Energy	Primary – State Corporation Commission Support – Mines, Minerals and Energy; Emergency Management; Information Technologies	<ul style="list-style-type: none"> • Energy infrastructure assessment, repair, and restoration • Energy industry utilities coordination • Energy forecast
ESF #13 – Public Safety and Security	Primary – State Police Support – ABC; Conservation & Recreation; Corrections; Criminal Justice Services; Forestry; Game & Inland Fisheries; Marine Resources; Military Affairs; Motor Vehicles	<ul style="list-style-type: none"> • Facility and resource security • Security planning; technical & resource assistance • Public safety/security support • Support to access, traffic, and crowd control • Health and safety of disaster workers
ESF #14 – Long-Term Community Recovery	Primary – Short Term: Emergency Management Long Term: Economic Crisis Strike Force (Secretary of Commerce and Trade) Support – Education; Emergency Management; Housing & Community Development; Corrections; DMHMRSAS; DSS; VEC; SEC-Bureau of Insurance; Virginia VOAD; Economic Development Partnership; Business Assistance; VDACS; Medical Assistance Services; SCHEV/VCCS; VDOT	<ul style="list-style-type: none"> • Social and economic impact assessment • Partner with FEMA and SBA for short-term Federal disaster assistance programs • Long-term community recovery assistance to local governments and the private sector • Coordination of COV role in the reconstruction and redevelopment of impacted areas • Mitigation analysis and program implementation
ESF #15 – External Affairs	Primary – Emergency Management Support – Fire Programs; Health; Military Affairs; Motor Vehicles; State Police; Transportation	<ul style="list-style-type: none"> • Emergency public information and protective action guidance • Incident information to the public • Media and community relations • Elected official liaison
ESF #16 – Military Support	Primary – Military Affairs Support – Army National Guard; Air National Guard; Virginia Defense Force	<ul style="list-style-type: none"> • Translate civilian missions into military missions • Provide military resources • Plan, coordinate, and control mission assignments and use of Virginia Militia
ESF #17 – Volunteer and Donations Management	Primary – Emergency Management Support – American Red Cross; Virginia VOAD; Adventist Community Services; Virginia Office of Volunteer and Community Service; Virginia Volunteer Center; Virginia Citizen Corps Program	<ul style="list-style-type: none"> • Assures expeditious delivery of donated goods to affected areas • Coordinates response and recovery efforts as related to volunteers, both convergent and pre-assigned

This page is intentionally blank.

This page is intentionally blank