DHS Office of Health Affairs

Food, Agriculture & Veterinary Defense Division Overview

April 9, 2010

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Office of Health Affairs
Department of Homeland Security
VISION

A Nation prepared for the health consequences of catastrophic incidents

MISSION: The Office of Health Affairs serves as the Department of Homeland Security’s principal agent for all medical and health matters. Working throughout all levels of government and the private sector, the Office of Health Affairs leads the Department’s role in developing and supporting a scientifically rigorous, intelligence-based biodefense and health preparedness architecture to ensure the security of our Nation in the face of all hazards.
OHA Contribution to DHS Goals

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<th>DHS Mission Areas</th>
<th>Office of Health Affairs Goals</th>
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<td>Principal health and medical authority</td>
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<td>Securing our borders</td>
<td>Health preparedness and readiness to respond</td>
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<td>Improving preparation for, response to, and recovery from disasters</td>
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<td>Unifying DHS</td>
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Food, Agriculture and Veterinary (Animal/Public Health) Defense (FAVD) Division

Responsible for oversight & management of the Departments implementation of the Defense
United States Agriculture & Food

- Integrate efforts of DHS Components
- Coordinate with appropriate Departments & Agencies
- Coordinate with tribal, state and local governments and the private sector
- Provide subject matter expertise to all Food, Agriculture & Veterinary (Animal/Public Health) efforts within DHS

“Health Security: State of preparedness…achieved when health threats are identified, vulnerabilities and consequences to human, animal, agriculture, food, water and environmental health are minimized…”*

*OHA Working Definition of Health Security
March 2009
Office of Health Affairs’ Delegation of Authority & Secretarial Memo Directing Agriculture and Food Defense Activities

- OHA’s Delegation of Authority grants the Assistant Secretary of Health Affairs responsibility for:

  “Providing oversight and management of the Department’s implementation of Homeland Security Presidential Directive – 9, Defense of United States Agriculture and Food, integrating the efforts of other DHS Components and coordinating those efforts with appropriate Federal Departments and agencies, tribal, state and local governments and the private sector”

- Homeland Security Presidential Directive – 9 (HSPD-9) established the national policy to defend food and agriculture against terrorist attacks, major disasters and other emergencies.
## Executing the Mission

- **HSPD-9: Defense of United States Agriculture and Food**

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<td>1. Develop and Enhance Intelligence Operations and Analysis Capabilities for Agriculture, Food and Water Sectors (9)</td>
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Integrate Efforts of DHS Components and Coordinate with Food & Agriculture Sector

S&T  FEMA  NPPD  CBP  OHA  I&A

DHS Food, Ag and Vet (FAV) Defense Programs

USDA  FDA
DHS Component Collaboration

- **S&T** – FAVD collaborates with S&T in the development of Gaps in the Agriculture IPT process and serves as the Co-chair for the Agriculture Sub-IPT.

- **FEMA** – FAVD is facilitating the coordination between FEMA and IP on the development of an implementation plan to assist States to prepare and implement a food emergency response plan.

- **NPPD** – FAVD actively collaborates with IP on the Food and Agriculture Sector Government Coordinating Council/ Sector Coordinating Council activities.

- **CBP** – FAVD has worked closely with CBP to coordinate on preparing comments and input from DHS to the President’s Food Safety Working Group.

- **OHA** – FAVD provides technical support to NBIC through subject matter expertise in food, agriculture, animal health & veterinary public health issues on a 24/7 basis.

- **I&A** – FAVD is providing technical expertise to promote food, agriculture, animal health and veterinary public health coordination at the State, local and tribal fusion centers.
Coordinate with Appropriate Departments & Agencies

1. Enhance International Competitiveness of American Agriculture

2. Enhance the competitiveness and sustainability of rural farm economics

3. Support increased economic opportunities and improved quality of life in rural America

4. Enhance protection and safety of the Nation’s agriculture and food supply

5. Improve the Nation’s health and nutrition

6. Protect and enhance the Nation’s natural resource base and environment

AWARENESS – Identify and understand threats, assess vulnerabilities, determine potential impacts, and disseminate timely information to our homeland security partners and the American public.

PREVENTION – Detect, deter, and mitigate threats to our homeland.

PROTECTION – Safeguard our people and their freedoms, critical infrastructure, property, and the economy of our Nation from acts of terrorism, natural disasters, or other emergencies.

RESPONSE – Lead, manage, and coordinate the national response to acts of terrorism, natural disasters, or other emergencies.

RECOVERY – Lead national, state, local, and private sector efforts to restore services and rebuild communities after acts of terrorism, natural disasters, or other emergencies.

SERVICE – Serve the public effectively by facilitating lawful trade, travel, and immigration.

ORGANIZATIONAL EXCELLENCE – Value our most important resource, our people. Create a culture that promotes a common identity, innovation, mutual respect, accountability, and teamwork to achieve efficiency, effectiveness, and operational synergies.

Emphasis on Regulatory & Marketing Goals, yet opportunity for alignment with DHS Goals
# National Incident Management

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<th>Tier 2</th>
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<td>S/L/F Execution</td>
<td>S/L/F Execution</td>
<td>All Parties Involved</td>
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<td>Department Technical Lead</td>
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<td>DHS Facilitation of Interagency Preparations to Support</td>
<td>DHS Coordination Authority</td>
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<th>State/Local Event</th>
<th>National Department Managed Event</th>
<th>Joint Federal Department Managed Event</th>
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- Incident Magnitude
- Interagency Coordination

- Agency emergency declaration
- Department Secretary requests DHS support
- Presidential declaration
Preparedness to Prevent, Protect Against, Respond to, and Recover from Major Events Requires Competency in Multiple Capabilities

For example, a large-scale incident affecting food and agriculture may require multiple capabilities to respond.

The Food & Agriculture Safety & Defense capability will function alongside other capabilities to prevent and/or protect against or respond and/or recover from multiple scenarios.
FARM Toolkit Overview

Benchmarks are being developed through a collaborative effort, with solicited input from:

- Subject matter experts
- Intra/Interagency partners
- State, tribal, local and territorial stakeholders
- Private Sector
- National associations (AFDO, NACCHO, ASTHO, and many others)

FARM toolkit will be developed in two phases:

**Phase 1:**
States evaluate current capabilities compared to key indicators with associated benchmarks to determine levels of preparedness

**Phase 2:**
States exercise the data gathered in Phase 1 & critical infrastructure identified through the use of FAS-CAT to demonstrate the impact of current capabilities on the scenario
Impact and Value: Overall

- Food defense community is integrated with the EM community in the coordination in preparedness, response, and recovery efforts
- **Benchmarks** for food defense and response
- Comparable tool that allows for development of a **national baseline** of preparedness
- The tool will provide a **common structure and approach** for developing and assessing food-related capabilities
- The tool integrates data from multiple sources, providing a **central repository** for planning and assessing preparedness
- The tool supplements **existing tools/resources** being used
Impact and Value: States

- **Collaborate and coordinate** with food-sector and emergency management stakeholders within your state.
- Discover opportunities for **improving preparedness**, response, and recovery capabilities.
- Identify opportunities for training, funding sources, and best practices in **food emergency management**.
- **Compare** current capabilities to national averages to determine opportunities for improvement.
- Provide evidence to assist states to **Advocate** the importance of food issues; **Demonstrate impact of funding** on capabilities over time and to **Drive policy** at the federal level by demonstrating needs.
The outreach effort promoted a collaborative approach, encouraged greater participation across the nation, and gathered input to inform tool development.

The FAVD Division conducted multiple outreach meetings with DHS, federal, national association, and state government partners. Six state workshops were conducted in Fall 2009, with more planned for 2010.
Results of State Outreach

Themes identified:

- A tool like this is needed and wanted
- States appreciated being involved early in the development process and relished being able to inform the design and contents of the tool
- Terminology varies from agency to agency at the state level. Additional content was necessary to ensure understanding of terms and concepts in the tool
- States, though very busy, are very interested in the potential applications of this tool, especially:
  - Performance management and grant impact tracking
  - Self-prioritization of benchmarks to inform state-level activities
  - The statewide involvement in tool completion
  - Teaching components inherent in the system
Future Benchmarking Capabilities

• Current efforts are focused on building a toolkit for preparing for food emergencies

• FAVD anticipates building additional tools within the Benchmarking Toolkit to assist States in preparing for other FAVD incidents:
  ➢ Plants (Crops)
  ➢ Animal Agriculture
  ➢ Wildlife
  ➢ Pets (Domestic)
Agricultural Defense Focus Areas

• Vaccines and Diagnostics
  • Next-generation FMD vaccines
  • High threat FAD diagnostics
  • Testing of current generation Foot and Mouth Disease (FMD) vaccines

• Disease Simulation and Analysis Tools
  • FAD Modeling and Simulation
  • JMAC: Joint Modeling and Analysis Center
  • RAPIDD: Research and Policy for Infectious Disease Dynamics
  • NIMBioS: National Institute for Mathematical and Biological Synthesis

• Joint Agro-defense Office
  • Enhanced coordination of interagency strategic planning and cooperation for FAD defense R&D programs (FADT)

• Agricultural Screening Tools
  • Identify and prioritize component and interagency stakeholder needs for screening and inspection tools and protocols
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