

# United States Animal Health Association

## Committee on Animal Emergency Management



## USDA/APHIS/VS Emergency Management & Diagnostics Update

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Veterinary Services



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# Emergency Management & Diagnostics

- Develops strategies and policies for effective incident management
- Coordinates incident responses
- Manages several key VS initiatives, including
  - National Veterinary Stockpile
  - National Animal Health Emergency Response Corps (NAHERC)
- Oversees the National Veterinary Services Laboratories
- Oversees the Center for Veterinary Biologics



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# National Center for Animal Health Emergency Management

- National Center for Animal Health Emergency Management (NCAHEM)
  - NCAHEM-Interagency Coordination
  - NCAHEM-National Veterinary Stockpile
  - NCAHEM-Preparedness and Incident Coordination



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# Preparedness and Incident Coordination (PIC)

<b>FAD PReP</b> Foreign Animal Disease Preparedness & Response Plan	
National Center for Animal Health Emergency Management	
United States Department of Agriculture • Animal and Plant Health Inspection Service • Veterinary Services	

Secure Food  
Supply Plans



# NAHERC

*National Animal Health Emergency Response Corps*



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# PIC – FAD PReP Materials

Foreign Animal Disease Preparedness and Response Plans

<https://fadprep.lmi.org>

<http://inside.aphis.usda.gov/vs/em/fadprep.shtml>

**NEW :** [http://www.aphis.usda.gov/animal\\_health/emergency\\_management/](http://www.aphis.usda.gov/animal_health/emergency_management/)



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## PIC – FAD PReP Materials (cont.)

### New/Revised in 2012 (selected)

- *Concept of Operations*
  - APHIS FAD Framework: Roles and Coordination (May 2012)
  - APHIS FAD Framework: Response Strategies (May 2012)
  - NCAHEM Incident Coordination Group Plan (June 2012)
- *Response Plans*
  - FMD Response Plan: The Red Book (June 2012)
  - Draft CSF Response Plan (February 2012)
- *Ready Reference Guides*
  - Zones, Areas, and Premises
  - Movement Control
  - Overview of Emergency Vaccination (FMD)
  - Quarantine, Movement Control, and Continuity of Business
  - Common Operating Picture (FMD)
  - FMD Response Strategies
- *National Animal Health Emergency Management System (NAHEMS) Guidelines*
  - Draft Continuity of business
  - Classical Swine Fever Vaccination
- *Industry Manuals*
  - Cow-calf



# PIC – Other Collaborations

- Continuity of Business - management of non-infected premises and non-contaminated animal products in FAD regulatory control areas
  - Secure Egg Supply <http://secureeggsupply.com/>
  - National Secure Milk Supply <http://securemilksupply.org/>
    - ❖ California
    - ❖ Colorado
    - ❖ New England Region SMS Working Group
    - ❖ Mid-Atlantic Region SMS Working Group
    - ❖ NY/NJ/PA Region SMS Working Group
    - ❖ Wisconsin
  - Broiler Working Group
  - Secure Turkey Supply
  - Secure Pork Supply
- Preparedness and Response Tools
  - EMRS 2.0
  - California Department of Food and Agriculture (CDFA) – CAHEMS Tool
  - Texas A&M FAZD Center – ERSS Dashboard





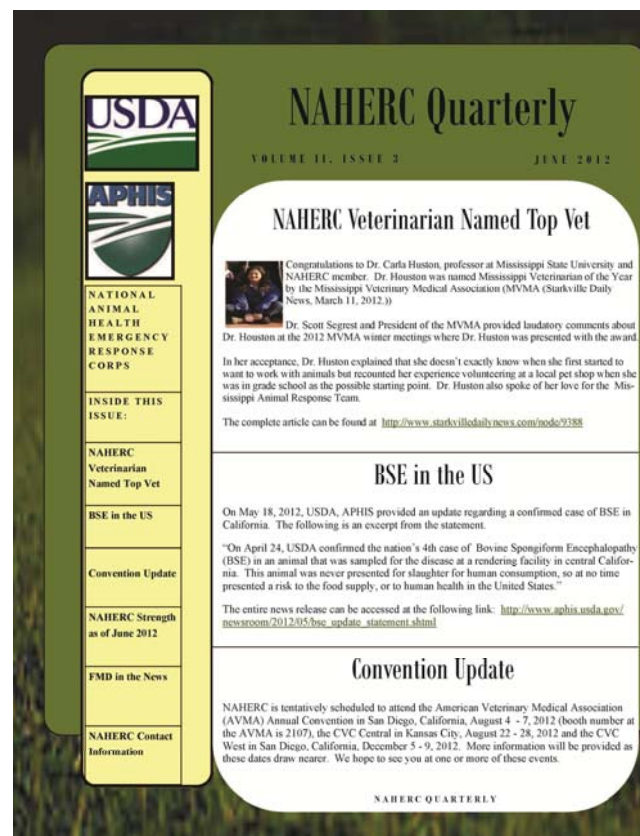
# PIC - National Animal Health Emergency Response Corps (NAHERC)



- 3,120 qualified members enrolled
  - 895 veterinarians
  - 2,225 animal health technicians
- Training modules hosted by Iowa State University
  - <https://naherc.sws.iastate.edu>
- Current training modules
  - Introduction to NAHERC
  - Biosecurity
  - C&D
  - PPE
  - Exotic Avian Diseases
  - Health and Safety
  - Vesicular Diseases

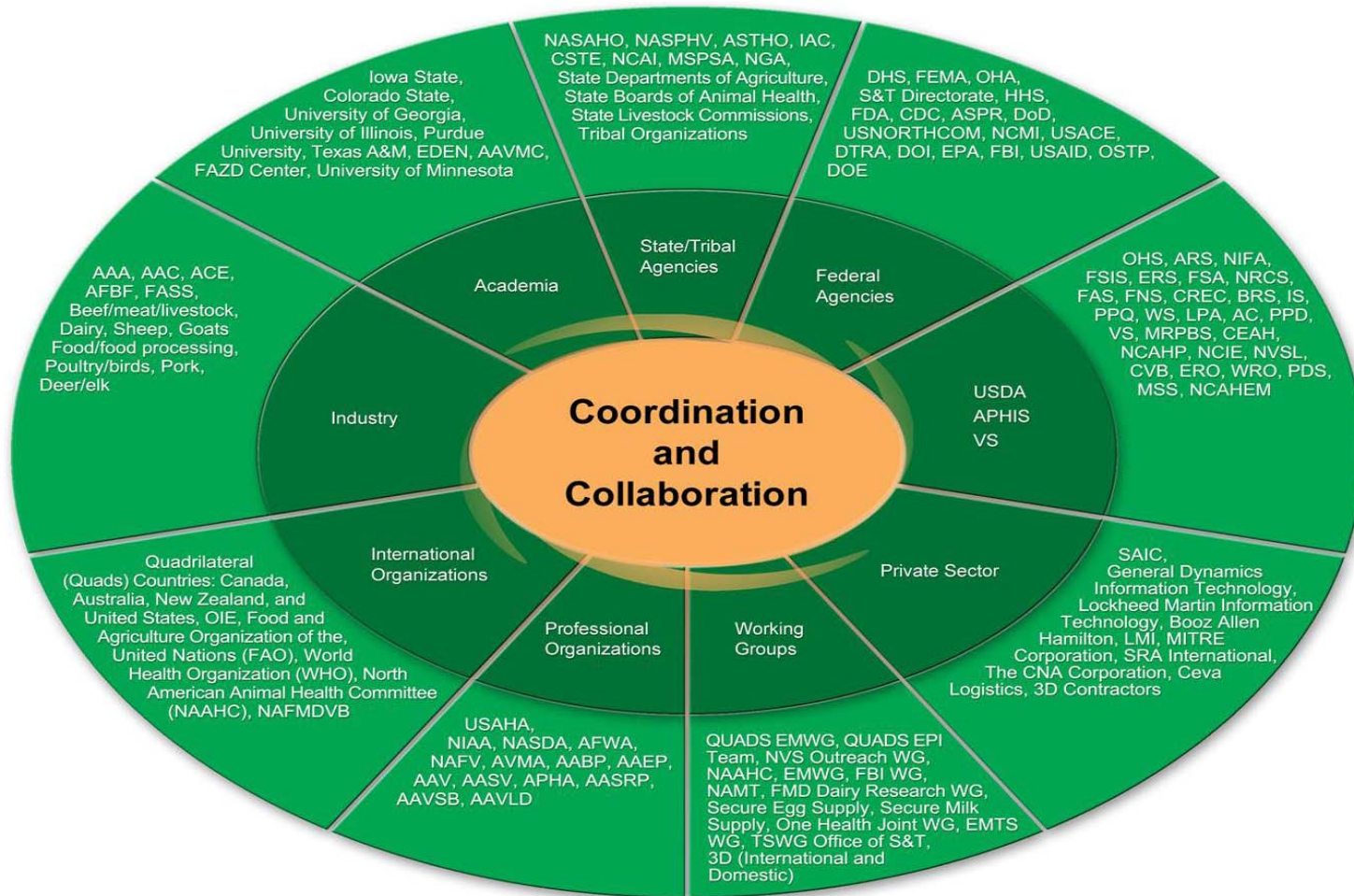


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# Interagency Coordination (IC)



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## IC – Radiological Activities

- Purpose: Develop capabilities and PARs for responding to a radiological emergency
- Recent Activities:
  - Humane euthanasia product for swine, based on suidae sensitivity to sodium nitrite.
  - Presentations at the DHS/FEMA Improvised Nuclear Device Forum.
    - ❖ Research being conducted to close gaps in agricultural response and recovery
    - ❖ Research on pets/agricultural animals/service animals/zoo animals in IND events for the Response Working Group.
  - Food and Agriculture Defense Initiative ‘Meeting of Networks’.



## IC – Strategic Information Support

- Provide Classified Information to USDA's Office of Strategic Information
- Establish relationships and serve as agricultural subject matter experts to the IC
- Respond to RFI on disease outbreaks outside of US



# IC – 3D Activities

- Depopulation
  - Validation of portable captive-bolt technology for cattle
  - Development of on-farm CO<sub>2</sub> depopulation of swine
  - Enhancement of foam technology to address cage reared poultry and addition of disinfectant capacity
- Disposal
  - Evaluating pathogen containment in the rendering process
  - Logistical infrastructure (identification & mapping of disposal capacity)
  - Online Emergency Management Tools
- Disinfection
  - Porous surface & cold temperature disinfection research with EPA, ARS, and CFIA
  - Development of Non-Freezing Automated Portable Vehicle Wash Tunnel with DHS



## IC – Modeling Activities

- Purpose – Lead joint USDA/DHS FAD modeling analysis and guide interagency efforts to develop additional trusted disease spread modeling capability
- **Recent Activities**
  - National Cattle Movement Model – Part of the NIMBioS
  - NAADSM – a Trusted Model used by many organizations to evaluate response strategies, consequences of contagious disease outbreaks, and estimate resource needs





# National Veterinary Stockpile (NVS)



Website: <http://nvs.aphis.usda.gov>

Email: [nvs@aphis.usda.gov](mailto:nvs@aphis.usda.gov)



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# Updates of NVS Website

<http://nvs.aphis.usda.gov>

- August 2012 NVS Logistics Catalog posted on restricted Website
- Revised Questions & Answers
- Newly created NVS Countermeasures Request Form
- Coming Soon:
  - Colorado NVS & Agricultural Logistics Plan
  - Revised *NVS State Plan Template* and *NVS Planning Guide for Federal, State, Tribe, and Territory Officials*



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# NVS New and Future Acquisitions



Throw 'N Go® Berm System



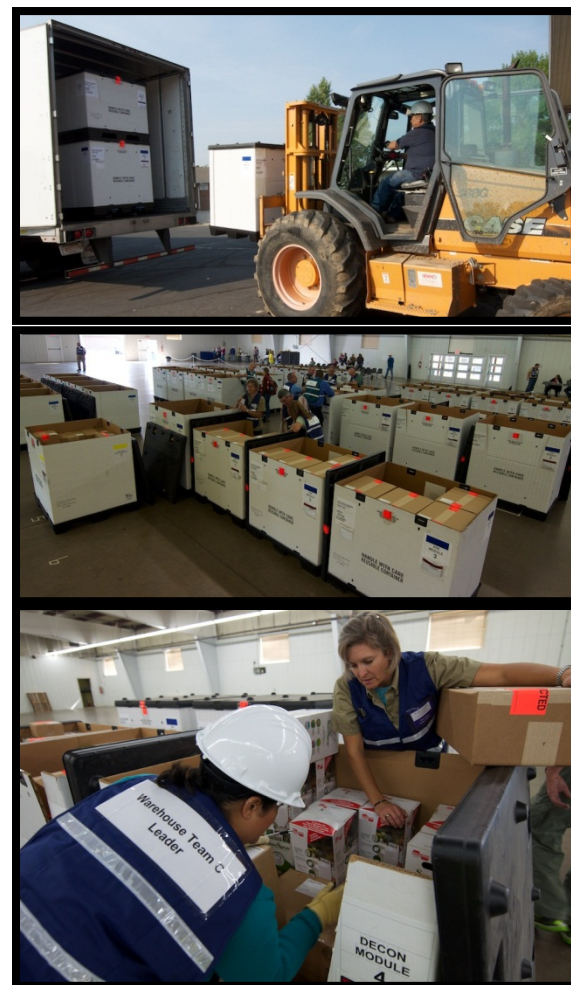
Cut-Resistant and Durable Nitrile Gloves

- New berm systems for decontamination operations
- New cut-resistant gloves and durable nitrile gloves
- Cold chain packaging solutions
- Large cattle/bison portable squeeze chute systems
- Mobile swine electrocution units
- Portable trailer-mounted refrigerators
- Swine panel transport trailers
- Transport trailers for poultry foam units

# NVS Outreach and Exercises

CO NVS Exercise 2012

- FY 2012
  - Colorado and NVS 2012 Logistics Exercise, September 19–20, 2012
  - NVS preparedness projects with Kansas, Oklahoma and Texas



# Recent NCAHEM Activities

## Foot-and-Mouth Disease Functional Exercise, June 2012

- Clarified roles and responsibilities within APHIS and Federal interagency partners in an FMD outbreak.
- Participants from across APHIS, FEMA, and several States
- Highlighted intense resource demands that would occur in FMD outbreak.

## FADD Response Training

- Provided FADDs continuing education via a short course.
- Held locally to minimize cost
- Course fulfills continuing education requirements of FADDs under Veterinary Guidance Document 12000.1, *“Foreign Animal Disease Diagnostician Certification Requirements”*.

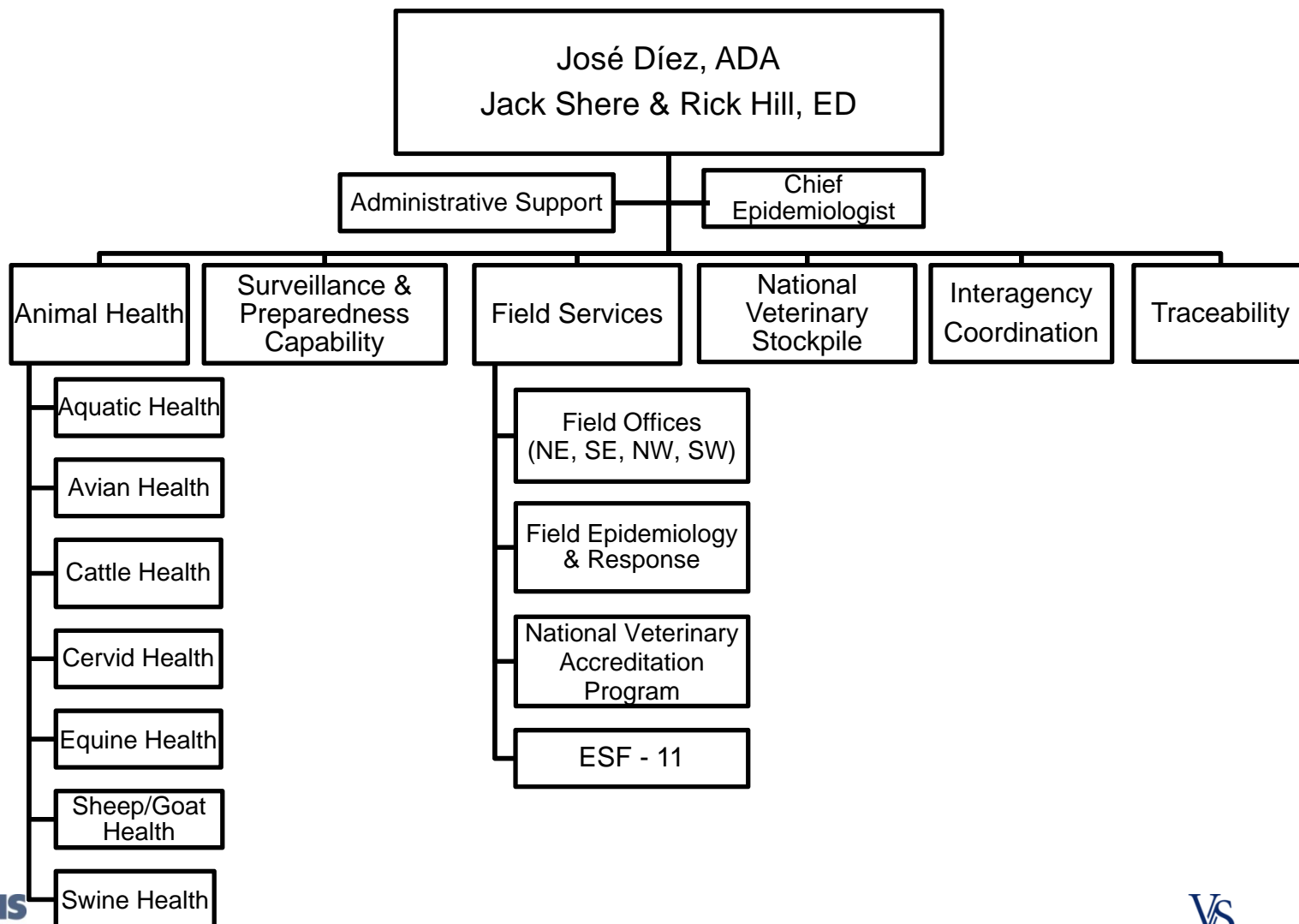


# Future Projects

- Development of the capability to simulate spread between livestock and wildlife
- Texas and NVS full scale exercise
- NVS preparedness projects with New York, Pennsylvania, and Wisconsin



# Surveillance, Preparedness, & Response (SPR)



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# Questions?

