

DIVISION OF STRATEGIC NATIONAL STOCKPILE



The Strategic National Stockpile: An Overview



Objective

Provide an understanding of the operational characteristics and capabilities of the Division of Strategic National Stockpile (DSNS)



Agenda

- **Strategic National Stockpile Definition**
- **Mission of the Division of Strategic National Stockpile (DSNS)**
- **Formulary**
- **SNS Asset Request Flow**
- **Response History**
- **Emergency Response Concept**
- **Organizational Structure**



Strategic National Stockpile Definition

“A national repository of antibiotics, chemical antidotes, vaccines, antitoxins, antivirals, life-support medications, IV and IV administration sets, airway maintenance supplies, and other medical / surgical items used to augment federal, state and local public health agencies in the event of a terrorist attack or other emergency.” *DSNS Brochure*



DSNS Mission

The Mission of the Division of Strategic National Stockpile (DSNS) is to:

***“Deliver critical medical assets
to the site of a national emergency”***



Formulary Development

- **Based on Category A Threat Agents**
 - ✓ **Smallpox,**
 - ✓ **Anthrax,**
 - ✓ **Botulism,**
 - ✓ **Viral Hemorrhagic Fevers,**
 - ✓ **Plague**
 - ✓ **Tularemia**
- **Chemical nerve agent antidotes**
- **Intergovernmental Committee for the Composition of the Strategic National Stockpile**

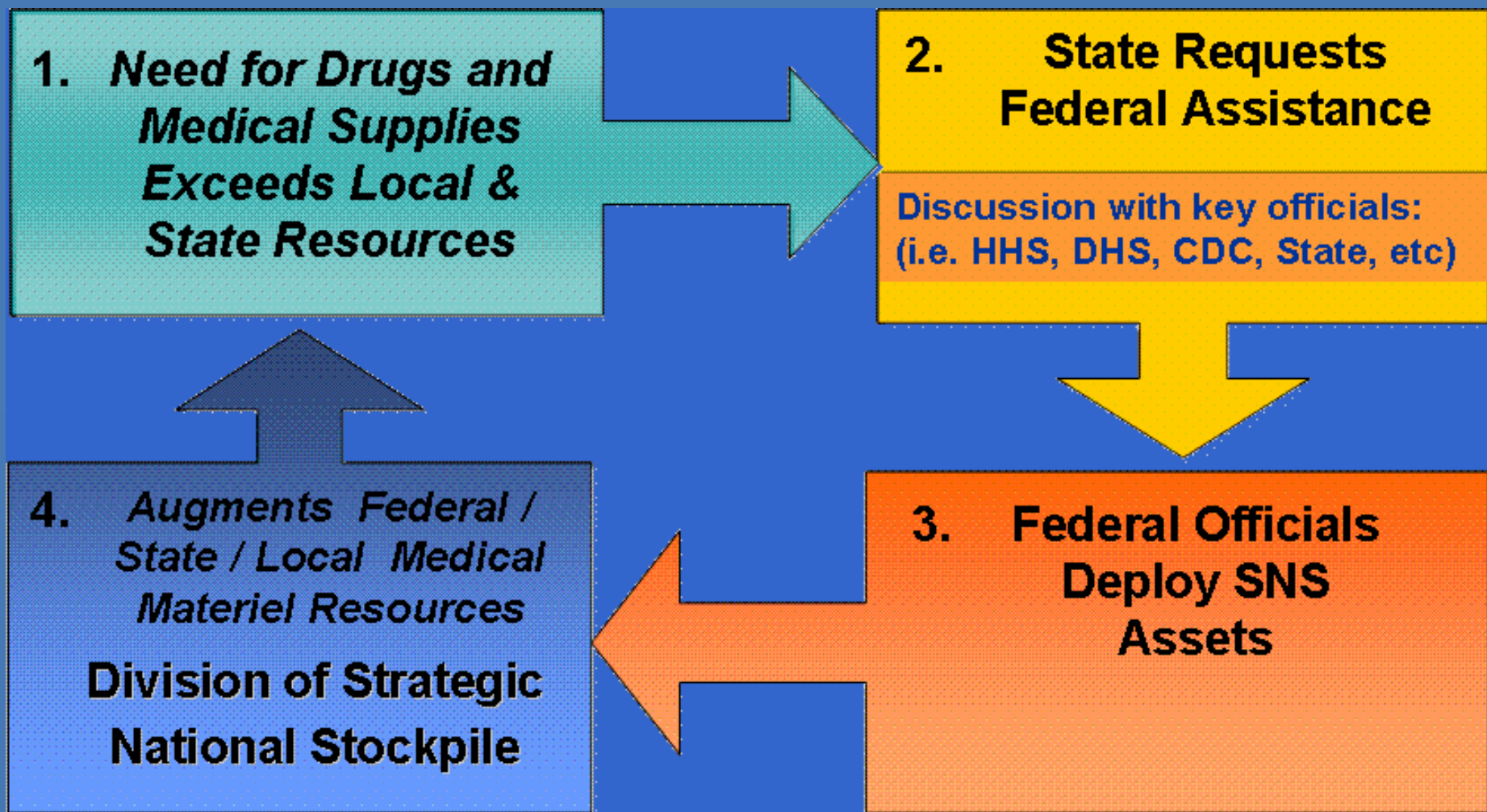


Formulary Content

- **Pharmaceuticals:**
 - ✓ **Antibiotics (Oral and Intravenous)**
 - ✓ **Chemical Agent Antidotes**
 - ✓ **Vaccines, Antivirals and Antitoxins**
 - ✓ **Other Emergency Medications**
- **IV Administration Supplies:**
- **Airway Management Supplies: (Pediatric and Adult)**
- **Items for Radiation, Burns and Blast**
- **Wound Care Supplies**



SNS Asset Request Flow



September 11, 2001: World Trade Center Response

- SNS assets released at 3:15 p.m.
- DSNS Technical Advisory Response Unit (TARU) deployed to New York City arrived within 3 hours
- Initial medical supplies arrives by ground within 7 hours
- Additional medical supplies arrives by air and ground within 12 hours



October 2001: Anthrax Response

- First deployment to West Palm Beach, Florida on October 7, 2001
- Over a 6 week period, 70+ shipments delivering antibiotics, response teams, supplies and lab samples
- SNS Program response involved 9 States and Washington, District of Columbia.
- Advisors deployed to Florida, North Carolina, Maryland, Virginia, Washington, District of Columbia, New York City



August - September 2005: Hurricane Katrina / Rita Response

- Separate Technical Advisory Response Units (TARU) deployed to both Louisiana and Mississippi (Katrina) and to Texas (Rita)
- 12-hour Push Package deployed to Mississippi
- Managed Inventory deployed to both locations
- Materiel obtained through direct vendor purchasing
- Federal Medical Contingency Station



Emergency Response Concept

- Provide rapid delivery of a broad spectrum of support for an ill-defined threat in the early hours of an event
- Provide large shipments of specific items when a threat is known
- Provide technical assistance to receive and distribute SNS materiel during an event



Broad Spectrum Support 12-hour Push Packages



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Broad Spectrum Support 12-hour Push Packages

Each 12 - hour Push Package

- Weighs over 50 tons
- Fills a wide-body aircraft
- Occupies 130 cargo containers
- Requires 12-15,000 square feet ground / floor space for proper receipt, staging, and storage



Broad Spectrum Support

12-hour Push Packages

Each 12- hour Push Package contains sufficient antibiotics to begin individual 10-day regimens for over 300,000 people

- 75,000 bottles of a 10-day ciprofloxacin regimen (20 tablets)
- 225,000 bottles of a 10-day doxycycline regimen (20 tablets)
- 24,000 bottles of a 10-day amoxicillin regimen (30 tablets) (Anthrax Only)



Broad Spectrum Support

12-Hour Push Packages

- Fits in standard military & civilian cargo aircraft
- Easily transported



- Two container sizes
- Aluminum / Lexan construction
- Standard footprint (Width x Depth)



Broad Spectrum Support

12-hour Push Packages

- Pre-packed in transport-ready containers
- Pre-positioned in secure facilities near major transportation hubs
- Delivered rapidly by our world class transportation partners
- Color coded and numbered containers for rapid identification by state and local authorities

**Oral Antibiotics
Containers 1 - 38**

**IV Drugs & Supplies
Containers 39 - 101**

**Chem Antidote & Supplies
Containers 102 - 103**

**Airway Supplies
Containers 105 - 119**

**Pediatric Supplies
Containers 120 - 128**

**Med / Surgical Supplies
Container 130**



Broad Spectrum Support

12-hour Push Packages



Aircraft Delivery



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Broad Spectrum Support 12-hour Push Packages

Truck Delivery



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Specific Item Support

- Managed Inventory (MI)
- Vaccines
- Buying Power/Surge Capacity
- Federal Medical Contingency Station (FMCS)



Specific Item Support Managed Inventory

- “...caches of pharmaceutical and/or medical supplies that are shipped in response to a state’s request for follow-on materials; they can be tailored to provide pharmaceuticals, supplies, and/or products specific to the medical needs produced by the emergency” **Version 10**
- **Stockpile Managed Inventory – Managed by DSNS**
- **Vendor Managed Inventory – Managed by commercial partner**



Specific Item Support Vaccines

- Maintain specific vaccines
- Ability to coordinate delivery of additional vaccines



Specific Item Support Buying Power / Surge Capacity

- DSNS works with VA to quickly purchase items not in stockpile
 - VA has ability to rapidly purchase medical material
- Challenges:
 - Slower response times possible
 - Can access materiel in stockpile more quickly than items that must be purchased



Specific Item Support Federal Medical Contingency Station (FMCS)

- Type III (Basic)
- Low to Mid acuity of care
- Provides a platform for Disaster Medical Assistance Team (DMAT) response
- Can be used for:
 - ✓ Special Needs Shelters
 - ✓ Quarantine function
 - ✓ Alternate care facility



Technical Assistance

Technical Advisory Response Unit (TARU)



Communications and Base Operations



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Technical Assistance

Technical Advisory Response Unit (TARU)

- Facilitates materiel transfer
- Includes public health experts, logisticians and emergency response specialists
- Coordinates closely with State or Local incident command structure through the TARU Liaison Officer
- Maintains continuous contact with the CDC's DSNS Operations Center



Technical Assistance

Technical Advisory Response Unit (TARU)

- Personnel designated for 90-minute recall at all times
- Able to respond anywhere in the U.S. and territories within 12 hours
- Designed for self-sufficiency:
 - Arrive with communication / IT equipment
 - Security (US Marshals)
 - Personal protective equipment
 - Medical supplies
 - Reference material



Division Structure

- Associate Director for Science
- Logistics Branch
- Response Branch
- Program Preparedness Branch
- Program Coordination Branch



Partnerships

➤ Federal:

- ✓ Purchasing support from the VA
- ✓ Collaboration with the Federal Medical Materiel Coordination Group with DoD, VA, DHS and DoJ

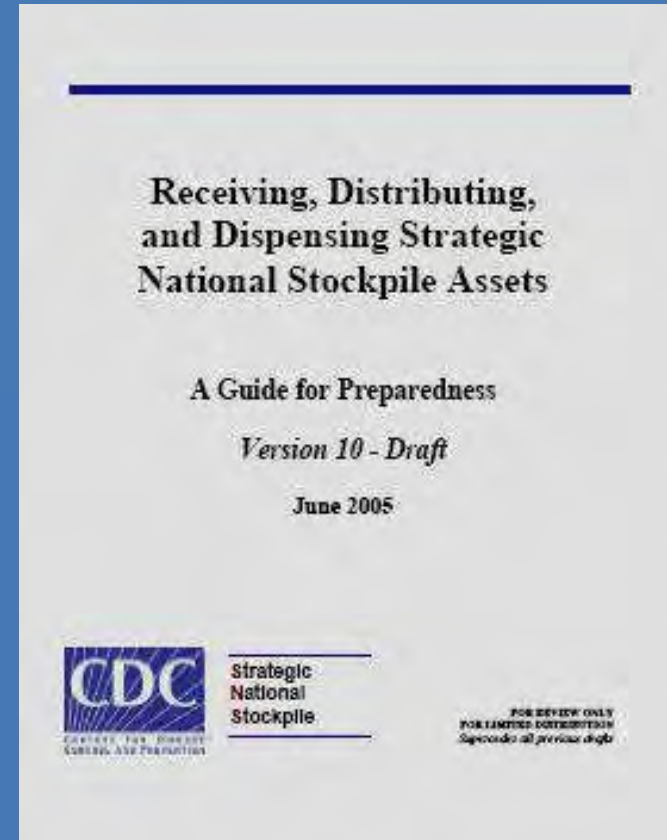
➤ Private Sector:

- ✓ Materiel storage and maintenance by commercial vendors
- ✓ Rapid movement to an event by commercial carriers



Support for State / Local Planning

- Hands-on and classroom training
- Planning guidance and evaluation
- One-on-one assistance
- Planning checklists
- Videos



DSNS Commitment

We will:

- Arrive in 12 hours or less with pharmaceuticals and other medical materiel and equipment
- Continue to provide support for as long as it is needed
- Constantly update what we keep in stock to ensure it supports the needs of states
- Buy what states need from the private sector if we do not stock it
- Assist states in planning for and using the materiel we provide



Questions?



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