

**Strategic National  
Stockpile  
RSS Operations**  
Mobile County Emergency  
Management Agency

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**When a Major Natural or  
Terrorist Event Happens.....**

- The news media will go into a tail spin.
- Politicians will make promises and demands.
- Various federal agencies will launch their emergency response teams.
- The President and other governmental officials will be on television.
- Experts we have never seen or heard of before will be all over FOX News, CNN, etc...
- Rumors and misfortune will run rampant.
- **AND.....**

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**THE  
PEOPLE  
WILL COME...**

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**MORE  
PEOPLE  
WILL COME...**

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**AND MORE  
PEOPLE WILL  
COME !!**

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**RECEIPT, STAGE, AND STORE**

- **THE RSS FUNCTION**
  - Formally accepts custody of the SNS material from the CDC.
  - Physically offloads the SNS material from ground transportation.
  - Stores material in the RSS warehouse for easy identification until inventory control issues it to the POD's, treatment centers or other locations.

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## RECEIPT, STAGE, AND STORE

- THE RSS FUNCTION (CONT'D)
  - Stages material according to orders generated by inventory control for delivery by the distribution function to POD's and treatment functions.
  - Ensures the proper storage, handling, and transfer of controlled substances while material is in custody of the warehouse.

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## RECEIPT, STAGE, AND STORE

- HOW WILL THE PUSH PACK ARRIVE?
  - AIR
    - RSS Representative meet aircraft.
    - Security
    - Download to RSS if at the airfield.
    - Transload and transport to RSS.
  - LAND

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## RECEIPT, STORE, AND STAGE

- REQUIREMENTS
  - WAREHOUSE:
    - MINIMUM 12,000 square feet.
      - 5000 Sq Ft – Storage of Containers
      - 2000 Sq Ft – Staging Area
      - 1000 Sq Ft – Office Space
      - 4000 Sq Ft – Repackaging (If Required)
    - HARD SURFACE FLOOR: No carpet or asphalt.
    - SAFE/SECURE
    - CLEAN
    - LOADING DOCK/S

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## RECEIPT, STAGE, AND STORE

- REQUIREMENTS (CONT'D)
  - MATERIAL HANDLING EQUIPMENT (MHE)
    - Forklifts: Minimum of 2 – 4-6K Capacity w/36" Forks
    - Pallet Jacks: Minimum of 5
  - PALLETS
    - Minimum of 100 clean, hardwood pallets available
  - PORTABLE RAMP (If No Dock Available)

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## RECEIPT, STAGE AND STORE

- REQUIRMENTS (CONT'D)
  - BACKUP POWER SUPPLY
    - Lights, heating/cooling, computers
  - FLOOD LIGHTS
    - Day
    - Night
  - SECURITY
    - Inner Access
    - Perimeter

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## RECEIPT, STAGE, AND STORE

- REQUIREMENTS (CONT'D)
  - CLIMATE CONTROL
    - 58 degrees F - 86 degrees F
  - FIRE SUPPRESSION
    - Sprinkler System
    - Fire Extinguishers
  - RESTROOMS/BREAKROOMS
  - DRINKING WATER

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## RECEIPT, STAGE, AND STORE

- REQUIREMENTS (CONT'D)
  - OFFICE SPACE
    - 6 Desks, Chairs, and Power Outlets
  - 3 PHONE LINES WITH PHONES (MINIMUM)
    - 1 Land Line
    - 1 FAX Line
    - 1 Data Line
  - PERSONNEL
    - 21 People (Break down later in brief)

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## RECEIPT, STAGE, AND STORE

- WAREHOUSE SET-UP
  - 130 Containers, Base 43"X61", Must be arranged with 61" side being accessible facing 6'-8' aisle (10' better).
    - Measure and chalk floor for initial layout.
  - Containers arranged in number sequence and by color code.
  - Aisles must allow space to maneuver pallet jacks and/or forklifts.
  - Clear Dock Area
  - Staging Area set up to preposition product for pick-up.

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## RECEIPT, STAGE, AND STORE

- PERSONNEL (Per Shift)

▪ RSS Warehouse Manager	1
▪ Inventory Control (Lead + 2)	3
▪ Storage/Pickers (Lead + 4 Tms of 2)	9
▪ Quality Control (Lead + 1)	2
▪ Shipping/Receiving (Lead + 2)	3
▪ Shift Lead	1
▪ Floaters	2
TOTAL	21

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## RECEIPT, STAGE, AND STORE

- SAFETY
  - Boots
  - Gloves
  - Hearing Protection
  - Signage
  - Barricades
  - Floor Stripping

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## RECEIPT, STAGE, AND STORE

- INVENTORY CONTROL
  - Receiving the Push Package
    - 8(+) 55' Trailers (18 containers/Trailer)
    - Offload 1-2 Trailers at a time
      - Safety
      - Accountability
    - Inspect Containers for Damage and Seals
    - Sort by Color and Number
    - Ensure Container Doors Facing Aisle
    - Do Not Open Containers Until Product is Required

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## RECEIPT, STAGE, AND STORE

- INVENTORY CONTROL (CONT'D)
  - Have "Inventory Control" Track Container Numbers as they Are Unloaded.
  - Have "Storage" Directing Set-up/Locating of Containers.
  - Pre-designated state or local official will sign for the Push Pack from the U.S. Marshals who escort the PPG to the RSS.

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## RECEIPT, STAGE, AND STORE

- CONTAINER NUMBER AND COLOR MARKINGS
    - # 1 – 38 RED = ORAL ANTIBIOTICS & SUPPLIES (38 Containers)
    - # 39 – 101 YELLOW = IV FLUIDS AND SUPPLIES (63 Containers)
    - # 102 – 103 GREEN = CHEMICAL ANTIDOTES AND SUPPLIES (2 Containers)
    - # 105 – 119 BLUE = AIRWAY SUPPLIES (15 Containers)
    - #120 – 128 PINK = PEDIATRICS (9 Containers)
    - #130 WHITE = MED/SURG SUPPLIES (1 Container)
- TOTAL # OF CONTAINERS = 128  
THERE ARE NO CONTAINERS # 104 OR 129

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## RECEIPT, STAGE, AND STORE

- ELECTRONIC FILE
  - TARU Logistics Lead will provide an inventory of the Push Package (PPG) on a disc.
  - Formatted as a pipe-delimited file.
  - It can be uploaded into an inventory management database or be run off EXCEL.
  - This will provide a start point. All receipts and issues must be applied to it as they occur.

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## RECEIPT, STAGE, AND STORE

- RECEIVING ADDITIONAL SUPPLIES
  - Verify Seal with BOL.
  - Unload contents into receiving area.
  - Inventory and compare with manifest.
  - Move product to storage location.
  - Turn in paperwork to inventory control to add to inventory.

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## RECEIPT, STAGE, AND STORE

- ISSUING FROM THE PPG
  - Get # of Patients that each Point of Dispensing (POD) plans to support.
  - What products are needed?
  - Is there enough stock to support a full issue to each site?
    - If so, prepare pick sheets, pull and palletize product, wrap and label the pallets, load on delivery trucks and record issues.

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## RECEIPT, STAGE, AND STORE

- APPORTIONMENT = WHAT WE DO WHEN WE HAVE MORE PATIENTS THAN SUPPLIES.
  - Apportionment is the dividing of available assets to PODs based on expected patient counts.
  - Apportionment should be done with the immediate product available. Follow-on supplies will fill shortages.

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## RECEIPT, STAGE, AND STORE

- APPORTIONMENT RESPONSIBILITIES
  - Local authorities have control of the PPG and can apportion it as they see proper.
  - TARU can provide assistance and advice.
  - Always use "full case" counts. Never break cases.
  - Logistics has tables to breakdown items based on number of PODs, number of patients, and medications being utilized.

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## RECEIPT, STAGE, AND STORE

- PRIORITIES OF SHIPMENT
  - CRITICAL NEEDS
  - DISTANCE/TIME TO PODs
  - NUMBER OF AVAILABLE DELIVERY VEHICLES
  - OTHER FACTORS

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## RECEIPT, STAGE, AND STORE

- PICKING THE PRODUCT
  - Prepare and distribute PICK Lists.
    - Generated by Inventory Control
    - Authorization from senior local health care official
  - Pickers will get a pallet with a pallet jack and begin to "pick" the order.
  - Pallets will be loaded heaviest boxes on the bottom, 4' Max height, evenly stacked with labels facing out.
  - He/she will record quantity, lot number and expiration date on the pick sheet.
  - Once order completed, pallet is put in staging area with pick sheet attached.

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## RECEIPT, STAGE, AND STORE

- STAGING
  - Segregate delivery locations and label the areas.
  - Quality Assurance Personnel will verify counts, condition, and destination of product while it is in the staging area.
  - Pallets will be shrink wrapped and labeled with destination.
  - Shipping is notified of a ready load.

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## RECEIPT, STAGE, AND STORE

- SHIPPING THE MATERIAL
  - Verify the pallet/s destination/s
  - Load delivery truck.
    - According to Bill of Lading (BOL).
    - Last Delivery loaded first (to the front of the truck).
  - Seal and/or lock trailer/truck cargo door/s.
  - Provide copy of BOL to driver.

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## RECEIPT, STAGE, AND STORE

- RECORD SHIPMENT
  - Turn in copy of Pick Sheet to Inventory Control for entry in data base.

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## RECEIPT, STAGE, AND STORE

- DISTRIBUTION
  - COORDINATION
    - State and local departments of transport for air, ground, rail, and water.
    - Public safety, federal, state, local law enforcement.
    - Public works for vehicle drivers, fuel and repair.
    - Other vehicle sources (e.g. Parks and recreation, school system, etc...)

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## RECEIPT, STAGE, AND STORE

### ▪ TRANSPORTATION SOURCES

- Contractors
- Commercial Distributors
- Rental Agencies
- USPS
- Commercial Shippers
- National Guard

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## RECEIPT, STAGE, AND STORE

### ▪ DISTRIBUTION SKILLS

- Operation of all modes you plan to use
- Vehicle dispatch
- Security (traffic control and protection)
- Maintenance (recovery and repair)
- Load configuration/Offload Capabilities
- Safety
- Communications Support

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## RECEIPT, STAGE, AND STORE

### ▪ PLANNING AND OPERATIONAL INFORMATION

- Delivery locations
- Routes (Primary and alternate)
- Drop site at each location
- Convoy Planning
- Redundancy
- Dispatch control
- Communications

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## RECEIVE, STAGE, AND STORE

- **DISTRIBUTION MODELS**
  - Direct shipment is one RSS delivering to multiple PODs.
  - RDS Shipment is adding another level of distribution – Regional Distribution Site.
    - RDS can receive bulk shipments and break them down like the RSS.
    - RSS can ship pre-sorted/labeled shipments to RDS for distribution.
    - RDS requires more people and increases time to get supplies to PODs.

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## RECEIVE, STAGE, AND STORE

- **DELIVERY TO THE PODs**
  - What is the Offloading capability at the PODs?
    - Dock
    - Pallet Jacks
    - Forklift
    - Personnel to offload by hand
      - Hand trucks
      - Dollies
      - Carts

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## RECEIPT, STAGE, AND STORE

- **MOST CRITICAL ELEMENT**
  - **SUPERVISE**
    - ENSURE PEOPLE FULLY UNDERSTAND THE PROCESS.
    - FOLLOW THE FLOW OF THE PRODUCT AND PAPERWORK.
    - GIVE BREAKS.
    - ENCOURAGEMENT.
    - WATCH FOR DEHYDRATION AND EXHAUSTION.

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## OTHER USES

- The SNS RSS operational plan can be used to handle virtually any supplies required in an emergency situation.
- This can include epidemics, hurricanes and any other emergency you can imagine.
- Receiving, Staging, Storage and distribution of a commodity is basically the same if it is bottles of water, doxycyclene, nuts or bolts.

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## Alternate Distribution Methods

- Hurricane Commodity Distribution Experience
- Basically the same as SNS RSS distribution plan with none of the medical information requirement time.
- Hurricane Katrina distributed 453 trailers of ice, water, MRE's and tarps in 7 days to 12 distribution sites.

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## Alternate Types

- From main staging area direct to public.
- From main staging area to local staging area to public.
- From Main staging area to local staging area to geographically dispersed distribution sites to the public.

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## Pros and Cons

### **From Main Staging Area Direct to Public**

Pros: No “middle man”; complete upper level control.

Cons: No local control; difficult long distance upper level decision making; situational awareness nearly impossible.

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## Pros and Cons

### **From Main Staging Area to Local Staging Area to Public**

Pros: Adds local control; real time situational awareness

Cons: Brings citizens to only one location for distribution; crowd control is a major problem

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## Pros and Cons

### **From Main Staging Area to Local Staging Area to Geographically Dispersed Distribution Sites to the Public**

▪ Pros: Local Control; Up to date situational awareness; Provides citizens with less travel distance and time involved in the distribution process.

▪ Cons: More work and responsibility on local organizations.

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## Transportation Alternatives

- Cars: Law Enforcement, Municipal/County supervisors
- Trucks: Municipal/County public works, Rental fleets, National Guard
- Fixed Wing Aircraft: Civil Air Patrol, U.S. Coast Guard
- Rotary Wing Aircraft: State Troopers, U.S. Coast Guard, National Guard

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## Bottom Line

Transportation and Distribution methods are situational driven and can be as varied as a person's imagination. Your plan can show primary, secondary and tertiary methods of movement of product and distribution methods practiced and tested.

But, when something changes be ready to use anything available to you that can be supported.

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## QUESTIONS ?

## CONCERNS ?

## JUST LET ME OUT OF HERE !

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