

Munitions Management

Where we are . . . where we are Going



MG WADE H. MCMANUS, JR.

Commanding General,

HQ, Army Field Support Command



AFSC – On the Line

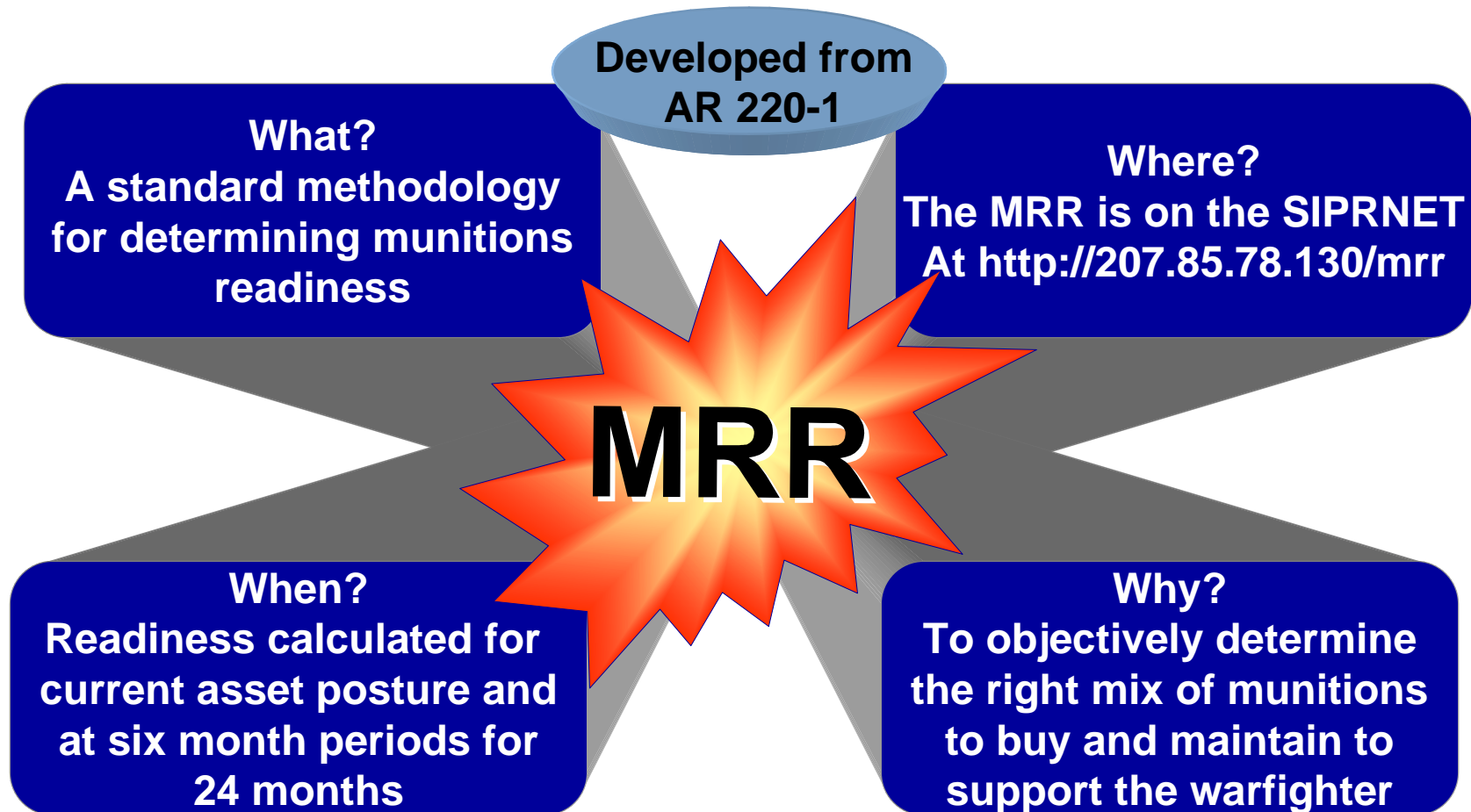


Topics

- ✓ **Munitions Readiness Report (MRR)**
- ✓ **Centralized Ammunition Management (CAM)**
- ✓ **Strategic Munitions Distribution Network (SMDN)**
- ✓ **Joint Munitions Command (JMC)**
- ✓ **Potential AMC End State**
- ✓ **Evolution to a Joint Organization**
- ✓ **Way Ahead**



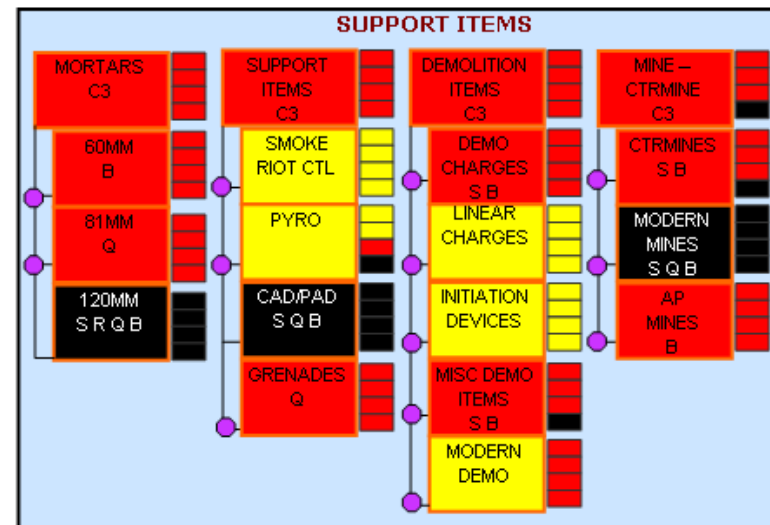
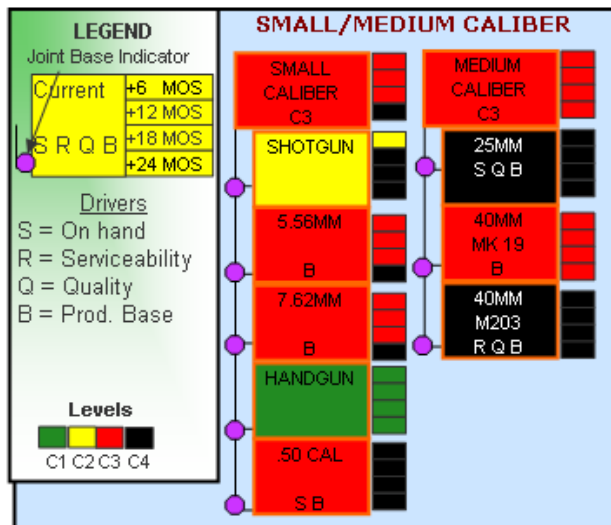
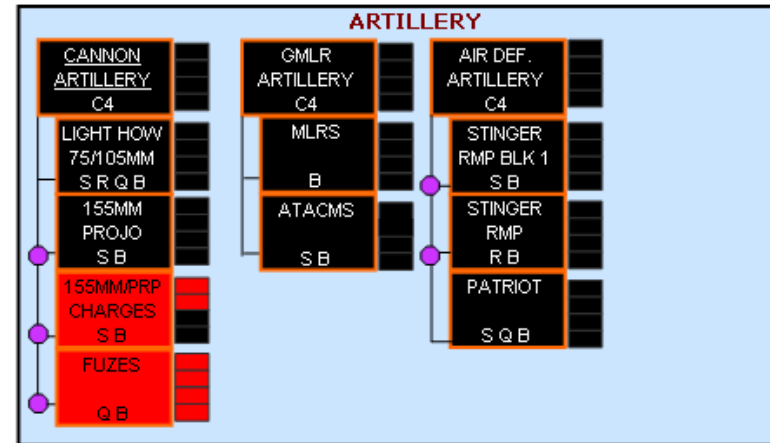
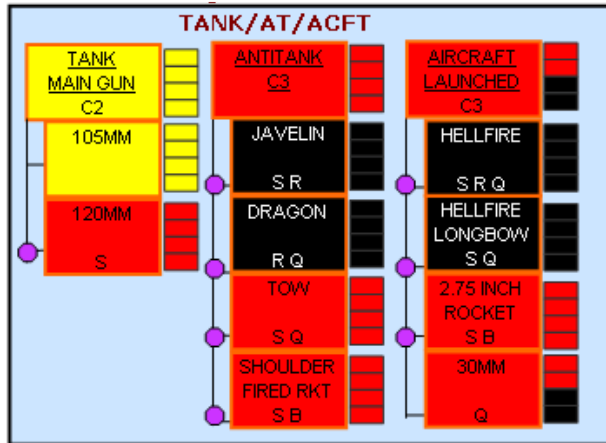
Munitions Readiness Report





Army Munitions Readiness Worldwide View

As of 31 Dec 03



LEGEND

Joint Base Indicator

| | |
|---------|---------|
| Current | +6 MOS |
| S | +12 MOS |
| R | +18 MOS |
| Q | +24 MOS |
| B | |

Drivers

- S = On hand
- R = Serviceability
- Q = Quality
- B = Prod. Base

Levels

C1 C2 C3 C4

Integrated into MC '02 CROP ...
access through Ops or Plans

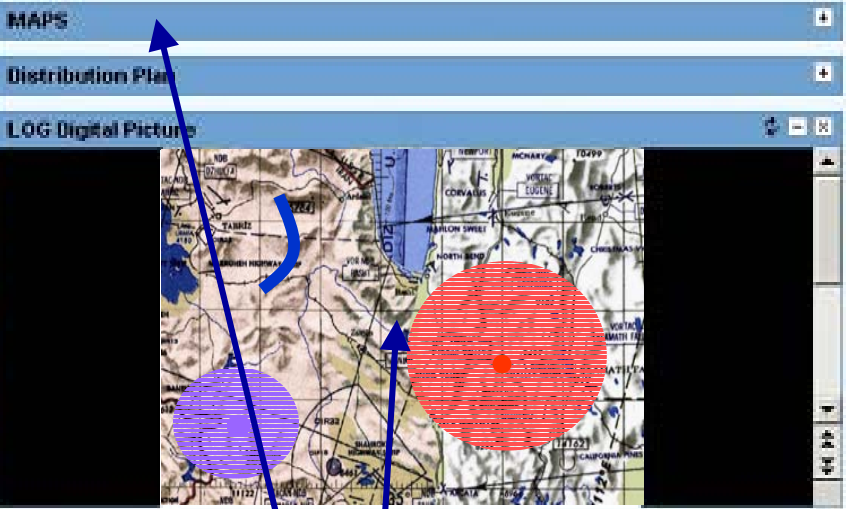
Log Watchboard ... real time
reporting of component logistics
status for critical log functional areas
with drill down

Logistics Watchboard

FUNCTIONAL COMPONENT ASSESSMENT * Transportation based on Utilization

| | Food | Wat | Fuel | Ammo (V) | | Blood | APOD | | SPOD | | Land (CU) * | | Air (CU) * | | Sea (CU) * | | FA | RA | G | S |
|----------|-------|-------|--------|----------|-------|-------|-------|-------|-------|-------|-------------|-------|------------|--------|------------|-------|-------|-------|-------|-----|
| | I | IV | III | Air | Surf | VIII | PAX | CAR | PAX | CAR | PAX | CAR | PAX | CAR | PAX | CAR | | | | |
| ARFOR | Green | Green | Yellow | Green | Green | Green | Green | Green | Green | Green | Yellow | Green | Green | Green | Green | Green | Green | Green | Green | N/A |
| MARFOR.L | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | N/A | N/A | Green | Green | Green | N/A |
| AFFOR | Green | Green | Green | Red | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | N/A |
| NAVEOB | Green | Green | Green | Green | Green | Green | Green | Green | N/A | N/A | Green | Green | Yellow | Yellow | N/A | N/A | Green | Green | Green | N/A |

- Deployment
- PREPO
- Common User Transportation
- APOD/SPODS
- Sustainment
- Contracting
- Host Nation Support
- Medical
- Civil Engineering



- Critical information
- Logistic Action Response Board (LARB)
- Intermediate Staging & Support Bases (ISB's)
- Logistics Tasks
- Logistics Tools
- Higher HQ & Component Links
- Charts
- File Cabinet

Log Functional Areas ...
theater Prepo assets,
APOD/SPOD lay-down,
medical/engineer reports,
sustainment resources and
plans

Situational awareness ...
operational maps with logistics
support overlays

Access to full range of log tools
providing access to log
information (GTN, JTAV, etc.)
and Decision Support Tools



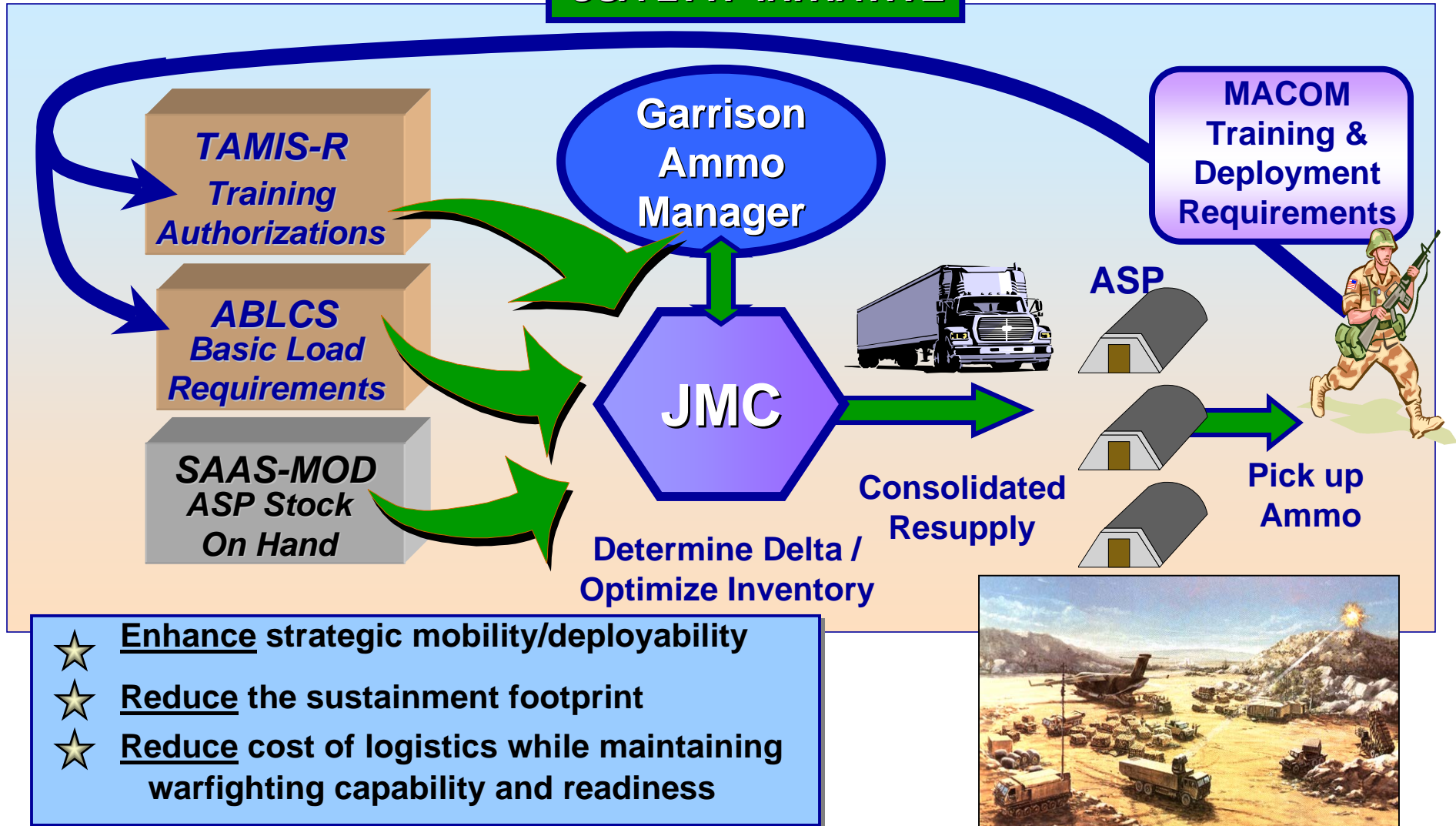
MRR Challenge for the Future

- ✓ Automate input of all production schedules, regardless of procurement site, into MRR database
- ✓ Address distribution problems; individual geographic shortages not visible on Worldwide view
- ✓ Improve programming support for scenario-driven analyses
- ✓ Use DA-approved near-term requirements vs. QWARRM to provide a better near-term analysis tool
- ✓ Develop capability to forecast future CONOPS and mobilization training requirements
- ✓ Align with POM process: MRR addresses near term (2 years); budget addresses programming decisions out to 7 years
- ✓ Engage all Services support to develop a Joint MRR



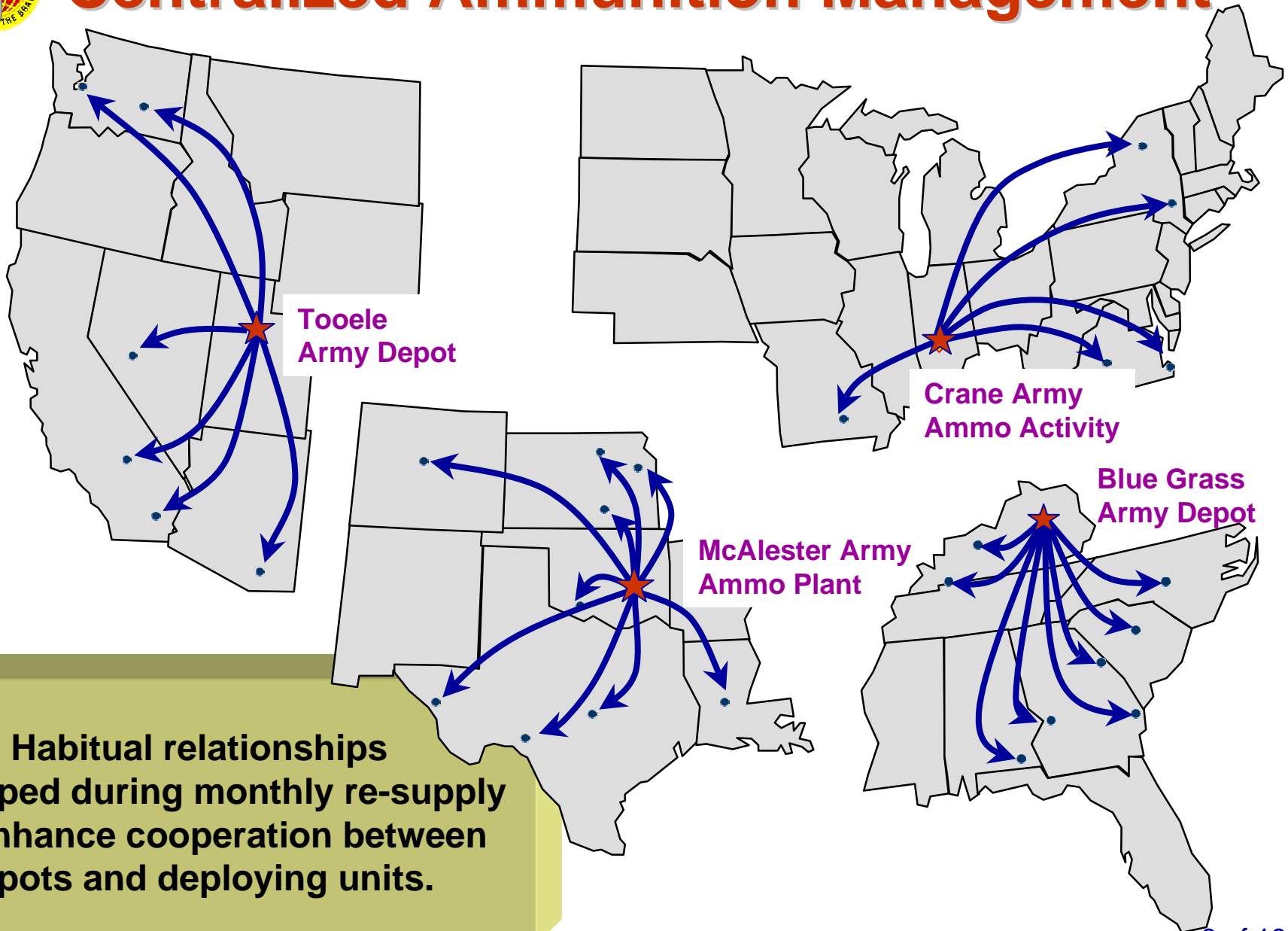
Centralized Ammunition Management Concept of Operations

CSA LTF INITIATIVE





Centralized Ammunition Management



Habitual relationships developed during monthly re-supply will enhance cooperation between depots and deploying units.



CAM Accomplishments & Benefits

Accomplishments

- ✓ Streamlined ammunition resupply process
- ✓ Directing SWA reset/retrograde shipments
- ✓ Reduced Mobilization training package cycle time from 30 to 5-10 days
- ✓ Provided ABL support to 2nd ACR Task Force and 1st CAV

Benefits

- ✓ Customer focus
- ✓ Tracking visibility
- ✓ Better stockpile management
- ✓ Reduced transportation costs
- ✓ Increased safety
- ✓ Better training ammunition distribution
- ✓ Frees up ammo storage space
- ✓ Potential joint service application



The CAM Challenge for the Future

- ✓ **Phase I – CONUS Training**
 - **FORSCOM, TRADOC, NG/AR, MEDCOM**
- ✓ **Phase II – OCONUS Training**
- ✓ **Phase III – CONUS and OCONUS deployment packages**
- ✓ **Phase IV – Joint Service application**

Detailed milestones under development based on munitions redistribution and full systems integration via Logistics Modernization Program (LMP)



Strategic Munitions Distribution Network (SMDN)

BACKGROUND

18-month GAO study illustrated lack of efficiency in consolidating munitions loads

We are basically spending a lot of dollars to ship air

SMDN concept provides an opportunity to consolidate motor movements

SCOPE

Estimate 44,000 Annual Shipments

59% are Less than Truck Load (LTL) Shipments

Average Truck Load is 35,694 pounds/\$2,143
\$120 per short ton

Average LTL is 2,844 pounds/\$1,327
\$933 per short ton

BENEFITS

Provides an opportunity for increased visibility

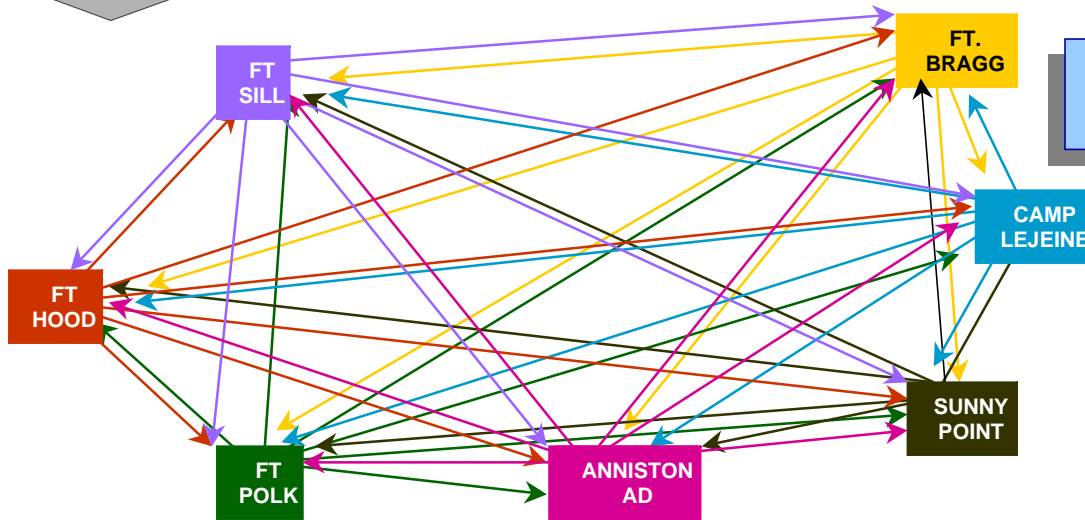
Reduces number of trucks on the road

Reduces public exposure to munitions carriers

Eliminates unnecessary costs



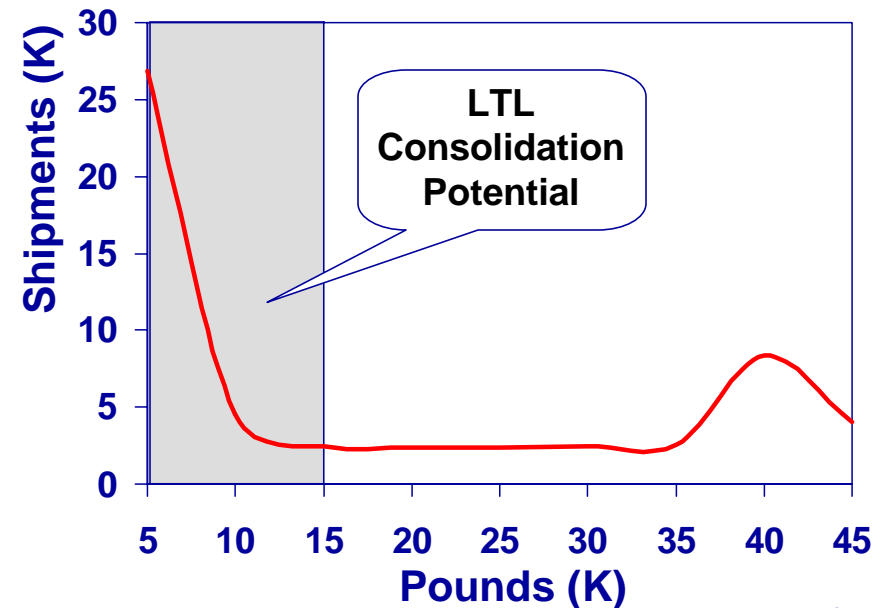
Strategic Munitions Distribution Network (SMDN) Present



✓ Shipments < 1000 #s = 29% of traffic
 ✓ 60% of Shipment not to / from tier 1 depots

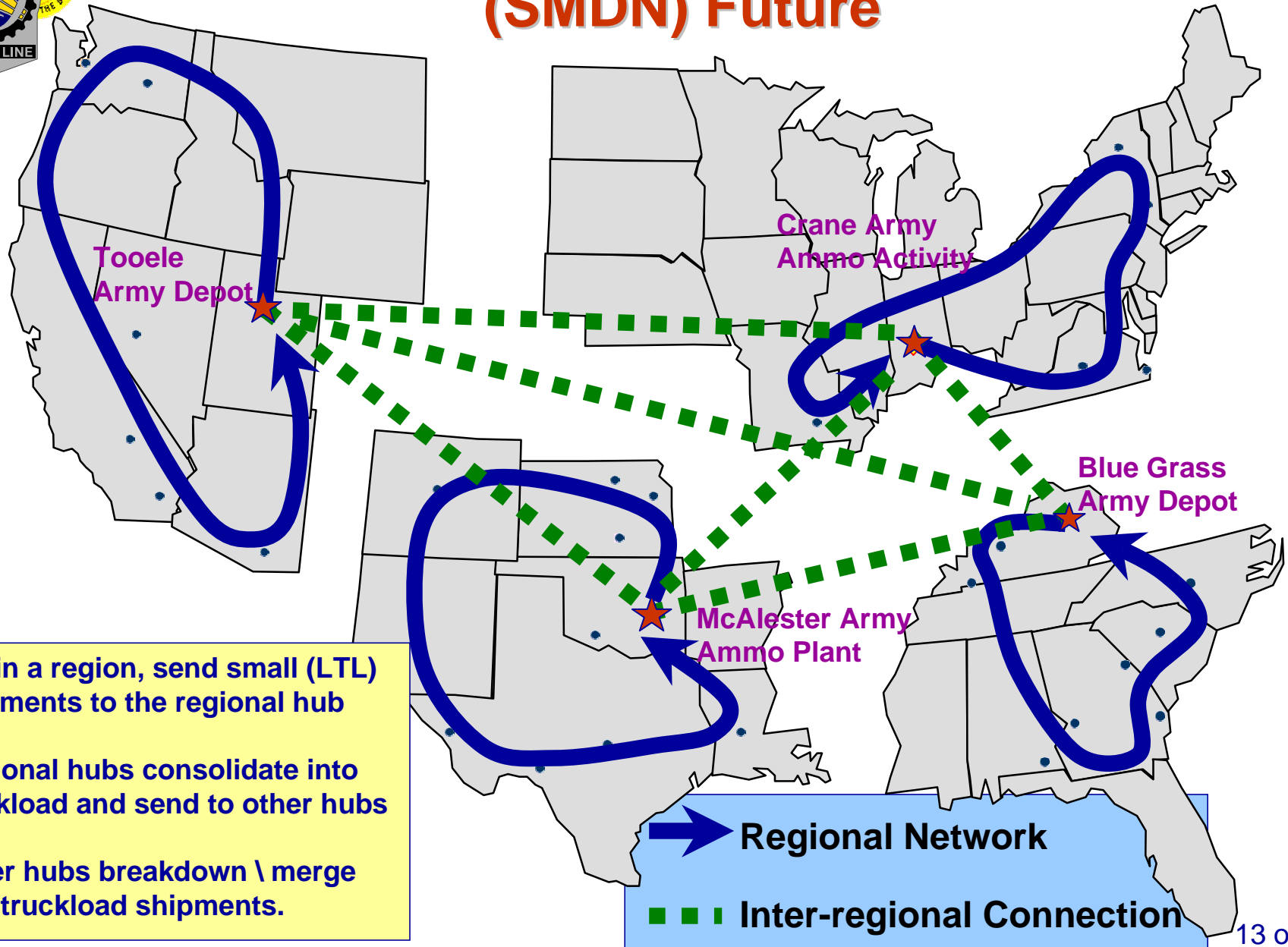
- ✓ Multiple small shipments to numerous destinations
 - Inefficient requisitioning and transportation
- ✓ Too many carriers on the road
 - Harder to track visibility.
- ✓ To many small shipments
 - Increases costs
 - Hard to adjust work schedules

Shipment Weight Distribution
18 Months Data





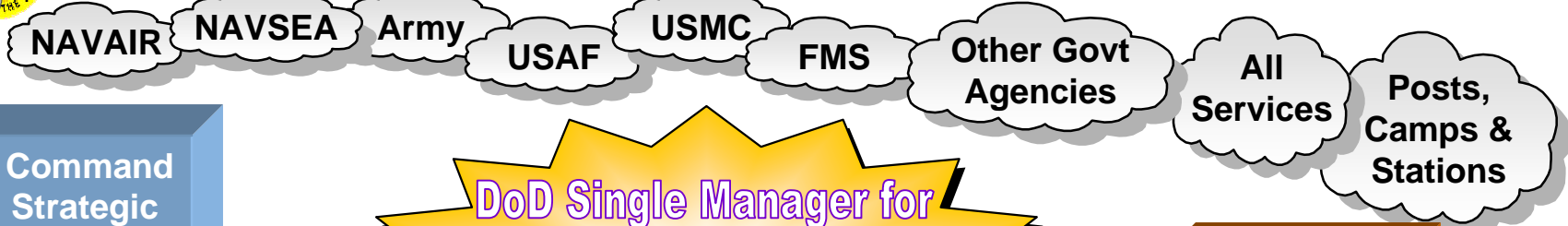
Strategic Munitions Distribution Network (SMDN) Future





Joint Munitions Command

Maintaining an Integrated Ammunition Enterprise Perspective



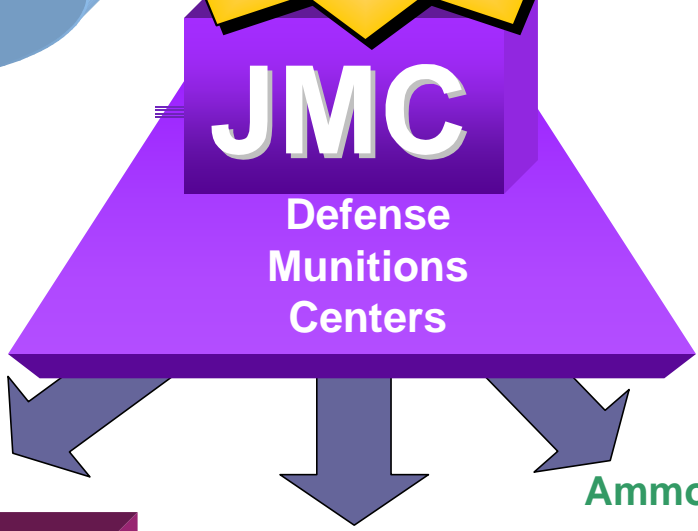
DoD Single Manager for Conventional Ammunition Field Operating Activity

Single Command for all Strategic Ammo Products and Services

Joint Logistics Commanders

Joint Ordnance Commanders' Group

Centralized Ammunition Management

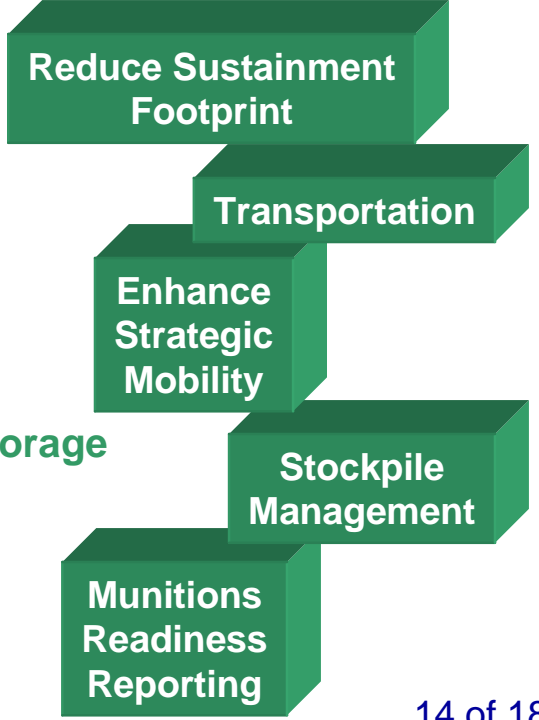


Industrial Base Mgt Implement SecArmy "Way-Ahead"

- ✓ Integrate
- ✓ Consolidate
- ✓ Divest
- ✓ Lease

Ammo Production

- ✓ Time Definite Delivery
- ✓ Continuous Seamless Flow
- ✓ Technical & Logistical Support
 - Fully Integrated Logistics

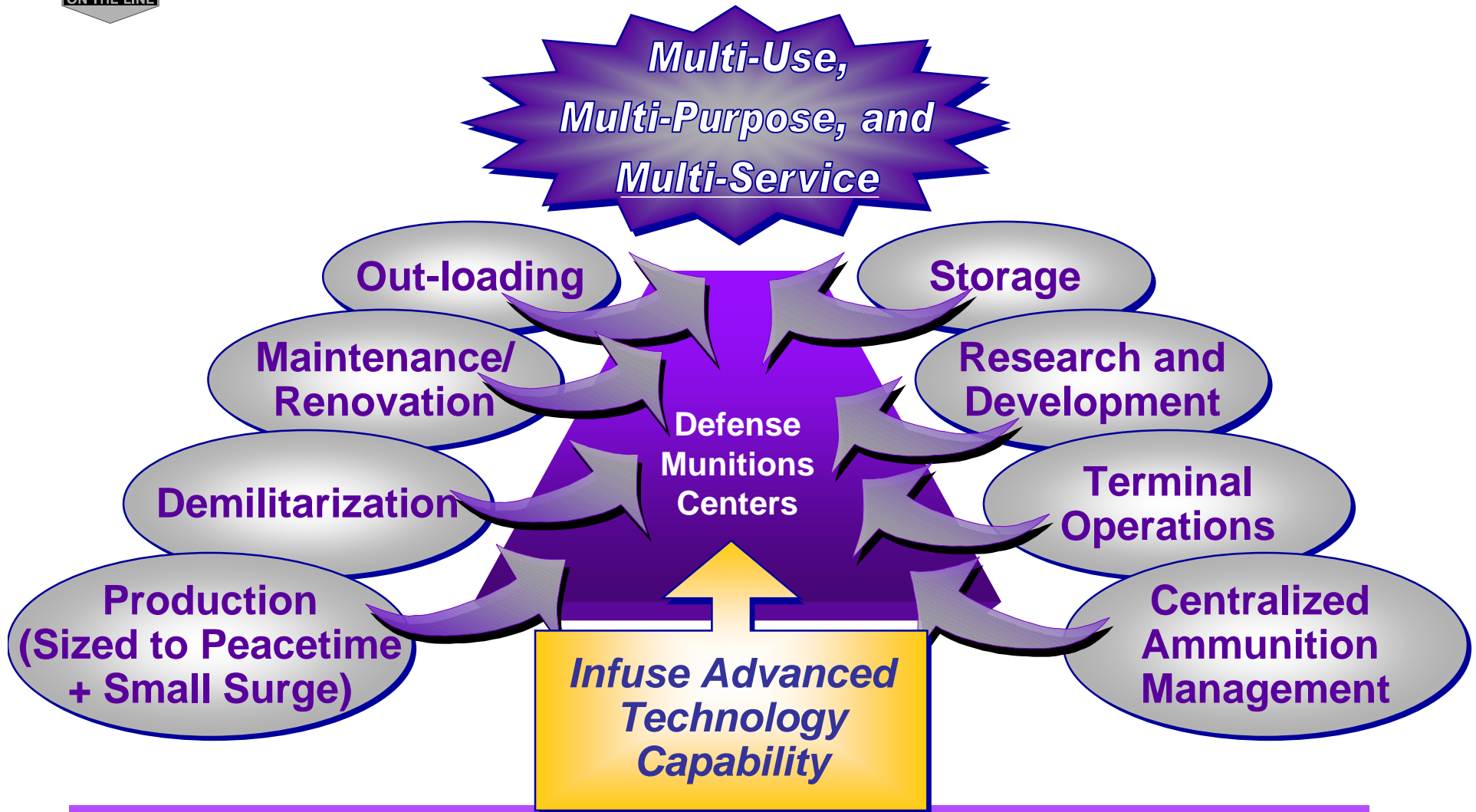


Ammo Storage

Direct Support from CONUS to the Battle Force or Training Site



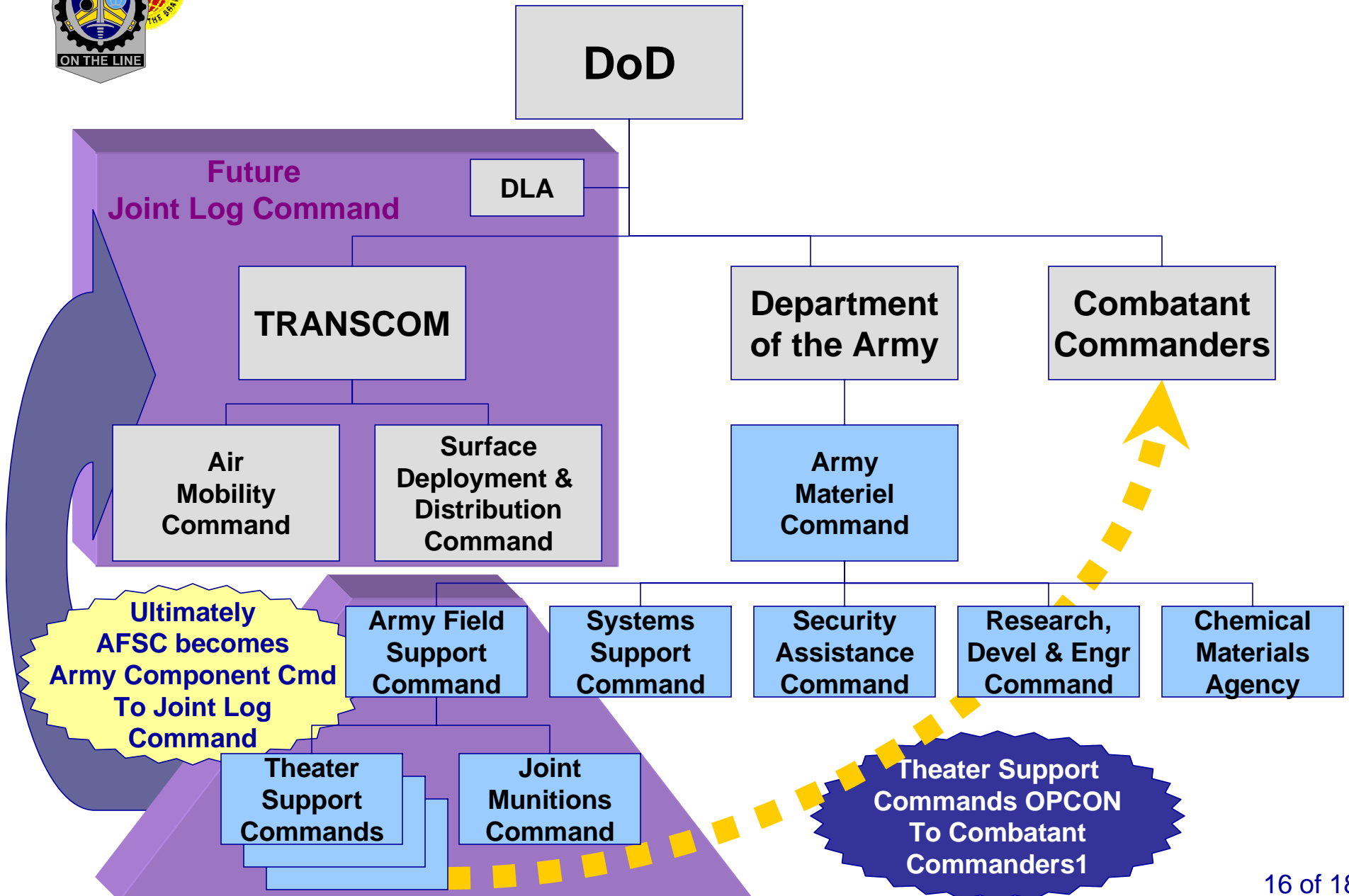
What Will A Defense Munitions Center Look Like In The 21st Century?



Focus is Requirements & Capability vs. Infrastructure

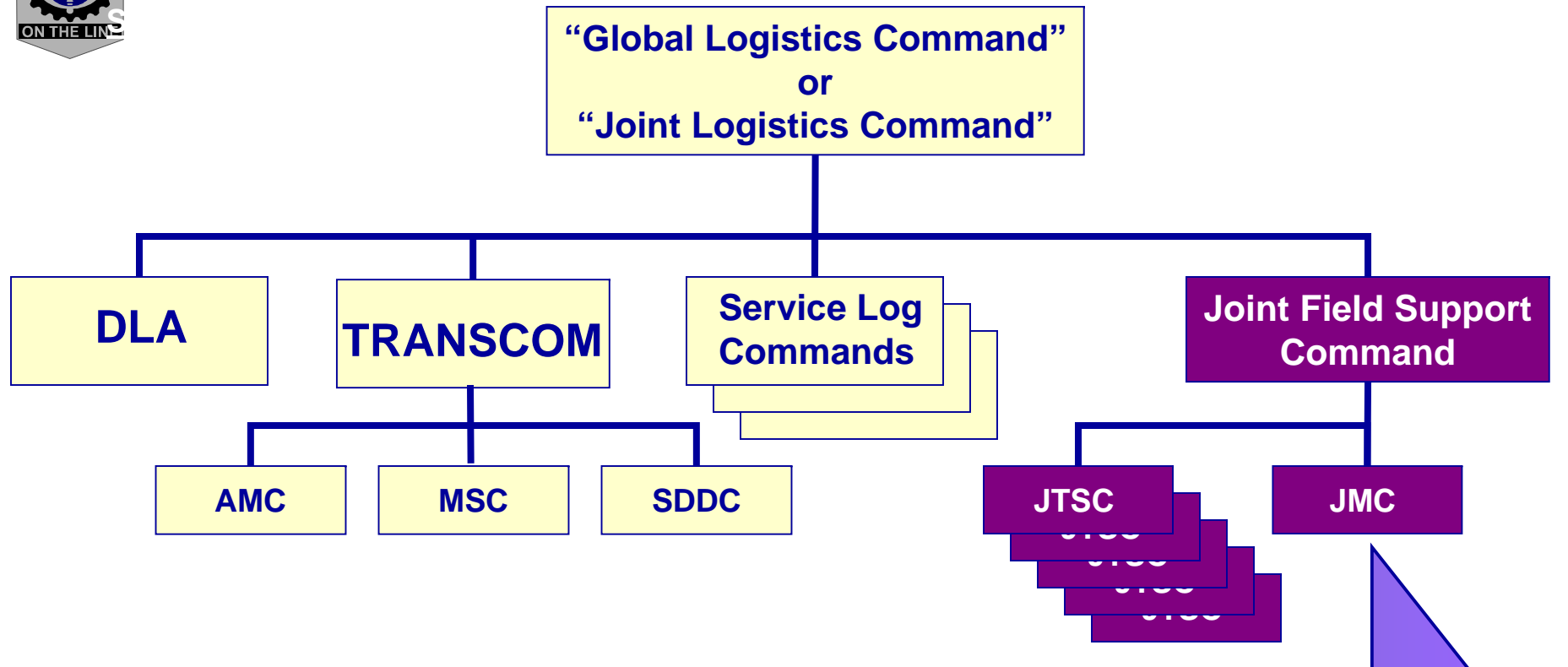


Potential AMC End State





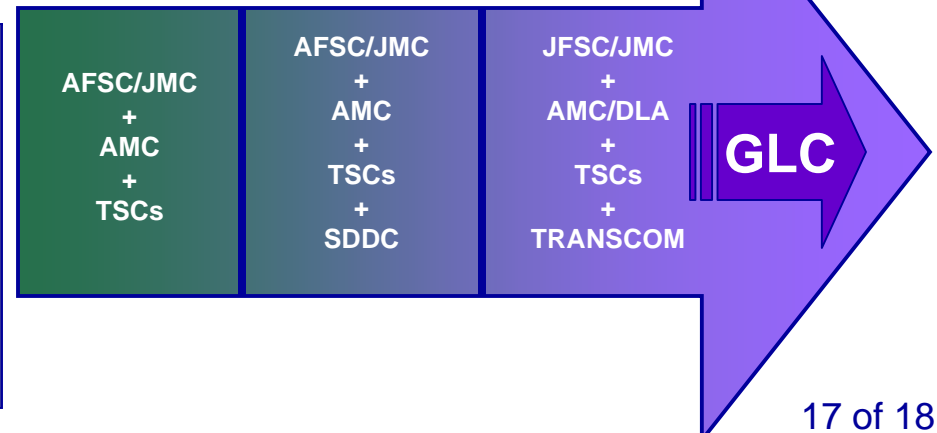
Evolution to a Joint Organization



TRANSCOM - DISTRIBUTION PROCESS OWNER

Service Log Commands - Remain with Services

AFSC - Integrating, synchronizing, coordinating organization to assure hand-off to the TSC is seamless allowing the TSC to run the COMMZ and sustain the Combatant Commander





Way Ahead

- ✓ **Joint end state... Capabilities based**
- ✓ **Drive Transformation... Expeditionary Mind Set**
- ✓ **Integration of Distribution & DES is key challenge**
- ✓ **Links industrial base and acquisition policy... *ESSENTIAL***
- ✓ **Balancing funding stream & readiness**

Funding, capacity, capability, privatization, global supply change..... still issues to be addressed



BACK UPS



CAM Background

The Challenge

- ✓ CG, FORSCOM asked Joint Munitions Command to consider Centralized Ammunition Management as a Transformation Task
- ✓ CSA Critical LTTF initiative #22, Class V Ammo Management
- ✓ Includes Ammunition Basic Load/Training ammunition
- ✓ Initial partnership: FORSCOM – JMC – ACSIM

The Vision

- ✓ Manage wholesale and retail ammunition stocks as a unified whole
- ✓ Provide better training ammunition distribution by using Velocity Management
- ✓ Utilize a Phased Approach
- ✓ Create a Logistics Transformation seamless process



Centralized Ammunition Management Processes

Planning

Dept of Army,
Major Command or
Joint Service

- ✓ **Who gets ammo**
 - Major Command allocation
 - Unit authorization
- ✓ **What ammo they get**
 - DODIC and Quantity
- ✓ **When they need ammo**
 - Training date
 - Deployment (i.e. 96 hours)
- ✓ **Where they need ammo**
 - Training range
 - Deployment site

Execution

Joint Munitions Command

- ✓ **Execute decisions**
 - Right ammo, right place, right time to support unit training and deployment
- ✓ **Visibility and Tracking**
 - Determine Trigger Point
 - Stock Rotation
 - Consolidate Loads
- ✓ **Installation Management Agency operates ASP**

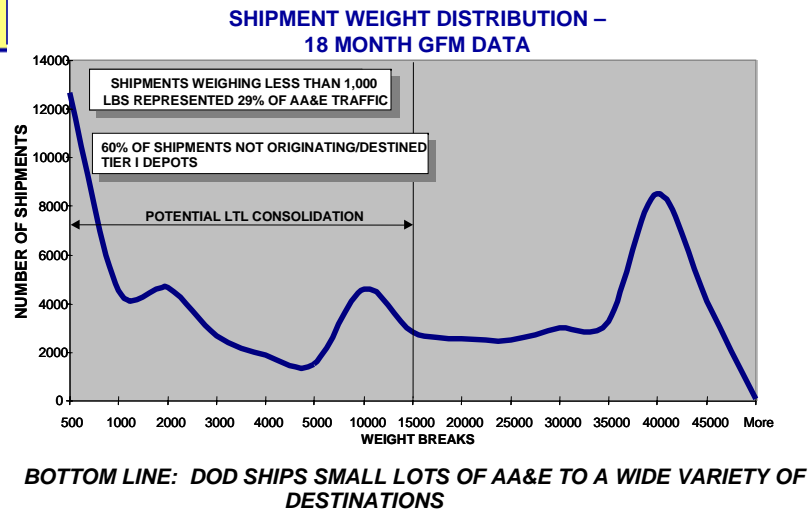
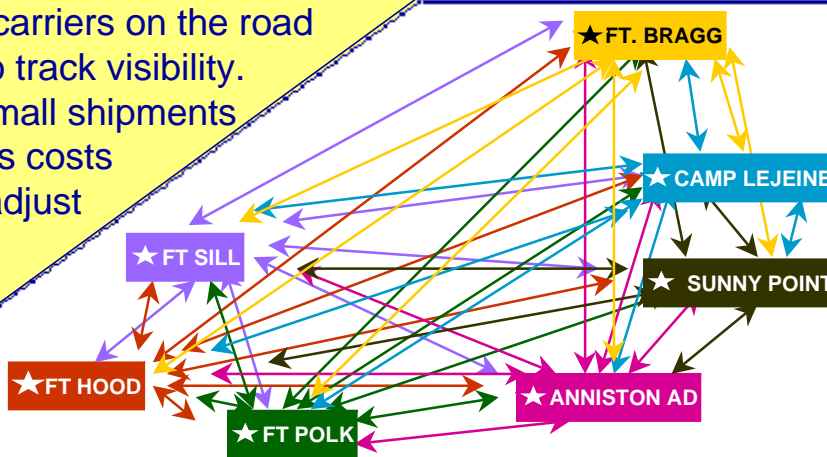


Strategic Munitions Distribution Network (SMDN) Concept

“AS-IS”

Concept shows multiple small shipments to a number of destinations – Inefficient requisitioning and transportation process.

Too many carriers on the road
– harder to track visibility.
Too many small shipments
– increases costs
– hard to adjust work schedules



“TO-BE”

Within a region small (LTL) shipments are sent into the regional hub.
Example: MCAAP will consolidate into truckload according to regional destination and send to BGAD. BGAD will breakdown and consolidate into truck load for \$\$\$ final cost.

