Munitions Management
Where we are . . . where we are Going

Past
Joint Munitions Command
Field Support Command

Present
Army Field Support Command
Joint Munitions Command

Future
Joint Field Support Command
Joint Munitions Command

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

**What?**
A standard methodology for determining munitions readiness

**Where?**
The MRR is on the SIPRNET
At http://207.85.78.130/mrr

**When?**
Readiness calculated for current asset posture and at six month periods for 24 months

**Why?**
To objectively determine the right mix of munitions to buy and maintain to support the warfighter

Developed from AR 220-1
Army Munitions Readiness
Worldwide View
As of 31 Dec 03
Log Watchboard … real time reporting of component logistics status for critical log functional areas with drill down

Integrated into MC ’02 CROP … access through Ops or Plans

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

Situation 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
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

TAMIS-R
Training Authorizations

ABLCS
Basic Load Requirements

SAAS-MOD
ASP Stock On Hand

Garrison Ammo Manager

JMC

Consolidated Resupply

Determine Delta / Optimize Inventory

MACOM Training & Deployment Requirements

ASP

Pick up Ammo

Enhance strategic mobility/deployability
Reduce the sustainment footprint
Reduce cost of logistics while maintaining warfighting capability and readiness
Habitual relationships developed during monthly re-supply will enhance cooperation between depots and deploying units.
## CAM Accomplishments & Benefits

<table>
<thead>
<tr>
<th>Accomplishments</th>
<th>Benefits</th>
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<tbody>
<tr>
<td>✓ Streamlined ammunition resupply process</td>
<td>✓ Customer focus</td>
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<tr>
<td>✓ Directing SWA reset/retrograde shipments</td>
<td>✓ Tracking visibility</td>
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<tr>
<td>✓ Reduced Mobilization training package cycle time from 30 to 5-10 days</td>
<td>✓ Better stockpile management</td>
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<tr>
<td>✓ Provided ABL support to 2nd ACR Task Force and 1st CAV</td>
<td>✓ Reduced transportation costs</td>
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<td>✓ Increased safety</td>
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<td>✓ Better training ammunition distribution</td>
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<td>✓ Frees up ammo storage space</td>
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<td>✓ Potential joint service application</td>
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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
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

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

Shipments Weight Distribution
18 Months Data

FT. BRAGG
FT. SILL
FT. HOOD
FT. POLK
ANNISTON
AD
SUNNY POINT
CAMP LEJEUNE

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

LTL Consolidation Potential
Within a region, send small (LTL) shipments to the regional hub

- Regional hubs consolidate into truckload and send to other hubs
- Other hubs breakdown \ merge into truckload shipments.
Joint Munitions Command
Maintaining an Integrated Ammunition Enterprise Perspective

DoD Single Manager for Conventional Ammunition Field Operating Activity

- Joint Ordnance Commanders’ Group
- Joint Logistics Commanders
- Single Command for all Strategic Ammo Products and Services

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

Defence Munitions Centers

JMC

Ammo Storage

- Direct Support from CONUS to the Battle Force or Training Site

- Reduce Sustainment Footprint
- Transportation
- Enhance Strategic Mobility
- Stockpile Management
- Munitions Readiness Reporting

Centralized Ammunition Management

All Services
Posts, Camps & Stations

Other Govt Agencies

Industrial Base Mgt Implement SecArmy “Way-Ahead”

NAVSEA
USAF
USMC
FMS

Joint Munitions Command

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

Multi-Use, Multi-Purpose, and Multi-Service

Out-loading
Storage
Research and Development
Terminal Operations
Centralized Ammunition Management
Maintenance/Renovation
Defense Munitions Centers
Demilitarization
Production (Sized to Peacetime + Small Surge)

Infuse Advanced Technology Capability

Focus is Requirements & Capability vs. Infrastructure
Theater Support
Commands OPCON
To Combatant
Commanders

Ultimately
AFSC becomes
Army Component Cmd
To Joint Log
Command

DoD

Department
of the Army

Army Materiel
Command

Combattant
Commanders

DoD

TRANSCOM

DLA

Future
Joint Log Command

Air
Mobility
Command

Surface
Deployment &
Distribution
Command

Army Field
Support
Command

Systems
Support
Command

Security
Assistance
Command

Research,
Devel & Engr
Command

Chemical
Materials
Agency

Theater Support
Commands OPCON
To Combatant
Commanders1
Supply Chain Integration Efforts

"Global Logistics Command" or "Joint Logistics Command"

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
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**

<table>
<thead>
<tr>
<th>Dept of Army, Major Command or Joint Service</th>
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<tr>
<td>✓ Who gets ammo</td>
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<tr>
<td>✓ What they get</td>
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<tr>
<td>✓ When they need ammo</td>
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<tr>
<td>✓ Where they need ammo</td>
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</tbody>
</table>

- 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**

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<tr>
<td>✓ Execute decisions</td>
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<td>✓ Visibility and Tracking</td>
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<td>✓ Installation Management</td>
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- 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.
To 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.

Bottom Line: DOD ships small lots of AA&E to a wide variety of destinations.

Weight Breaks

| Shipments Weighing Less Than 1,000 LBS | Represented 29% of AA&E Traffic |

60% of shipments not originating/destined Tier I Depots

Just of shipments not originating/destined Tier I Depots

Region IV
CARRIER B

FT SILL
FT POLK
FT HOOD

Region I
CARRIER A

ANNISTON AD
CAMP LEJEUNE
SUNNY POINT

MCALESTER

CARRIER A

BGAD

PICK-UP/STOP-OFF

GOVERNMENT RESPONSIBILITY