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Presented by: Major Shane Upton
PURPOSE: To discuss with the NDIA Leadership the Warfighters perspective on Ammunition during OIF-05-07 (Oct 05-Sep 06)
AGENDA

- Class V Operation Overall
- Force Protection Challenges
- Non-Lethal Munitions
- Retrograde
- Questions
- Conclusion
3rd COSCOM
Class V Operation Overall
ARMING THE FORCE

- Managed over 400 Ammunition Types
- Directed 4 Ammunition Storage Points
- Cross-leveled 12,660 short tons worth $400 million
- Retrograded 3,500 short tons
- Expanded from 2 Ammunition Transfer Holding Points to 11
- Provided quality assurance for FOB closures
- Fielded 13 SAAS-MOD systems for Army Transformation
Forecasting, storing and transporting ammunition in a counter-insurgency (COIN) Environment.

**Containers:**

**Challenge** - We are still currently using non-hardened 20’ metal containers.

**Recommendation** - Develop a container that would mitigate the explosive affects of a Hazard Class Division 1.1 munition.

**Transportation:**

**Challenge** - The ability to quickly and safely respond to ammunition requirements is a joint expeditionary environment.

**Recommendation** - Continue to develop a containers and packaging system such as the Joint Modular Intermodal Container (JMIC) that eliminates a ammunition signature and the requirement for further containerization.

**Storage:**

**Challenge** - The breadth of ammunition to support counter-insurgency operations (COIN) from forward operating bases requires a significant footprint.

**Recommendation** – Develop a lightweight, air transportable revetment system that can be rapidly established. 1 System 6 x 20’ and 30K NEW
There was an increase use of non-lethal munitions during the deployment for operational reasons.

**Challenge** - Supply vs. Demand… not enough availability in the manufacturing base due to single source vendors

**Recommendation:**

- Expand the current manufacturing base to produce more non-lethal munitions.

- Recommend industry develop a menu of non-lethal configured loads that covers our current breadth of weapon systems.

- Continue the aggressive pursuit of developing non-lethal ammunition options for future weapons systems.
As we departed theater we had completed the retrograde of 209 MILVANS of ammunition with 106 in the queue.

**Challenge** - The retrograde of unserviceable ammunition is resource intensive: security, Soldiers, transportation, and line-haul operations.

**Recommendation:**
- Continue development of an accurate, deployable and durable ammunition counting and assessment machine to expedite the counting and inspection process like the Automated Tactical Ammunition Classification System (ATACS).

- Consider possible an electronic means for tagging and identifying unserviceable ammunition.

**Challenge**: Durability of our ammunition after it leaves the packaging.

**Recommendation** - Continue the development of a light weight cartridge from non-porous material, possible a polymer, that reduces oxidation and weight by 30%. (Lightweight Small Arms Technology)
CONCLUSION

- Feedback from the perimeter
- Synchronize our efforts...minimize stove pipe systems
- Success on the battlefield is a TEAM sport...Military / Civilian / Industry...
- Leverage Technology used by other Services
- Forecasting unpredictable respond/surge
- Industry enables us to.....
Ammunition Adage

A Soldier can survive in Combat...

- ✔ Forever Without Mail
- ✔ 30 Days Without Food
- ✔ 3 Days Without Water
- ✔ 3 Minutes Without Air

But not one second without ammunition!