



2012 Insensitive Munitions & Energetic Materials Technology Symposium



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Overview

- Warfighter's Perspective: Munitions Employment
- Warfighter's Perspective: Weapons Safety
- Weapons Challenges to the Warfighter



A/G WSEP 04-02

104 FW / 131 FS

Barnes ANG





Warfighter's Perspective: Munitions Employment

- Operation ENDURING FREEDOM
- Bagram Air Base
 - **Mission:** *Defend the Base, Supply the Fight and Win! The Wing vision is to provide the International Security Assistance Force with responsive airpower*





Warfighter's Perspective: Munitions Employment

■ Munitions Flight

- **Objective:** Fully maintain, assemble and deliver a ready supply of ammunition for A-10 operations in direct support of United States coalition forces



A-10



Additional MDS A/C



Small Arms



MSA Relocation



Quality of Life



EOD Support



Humanitarian

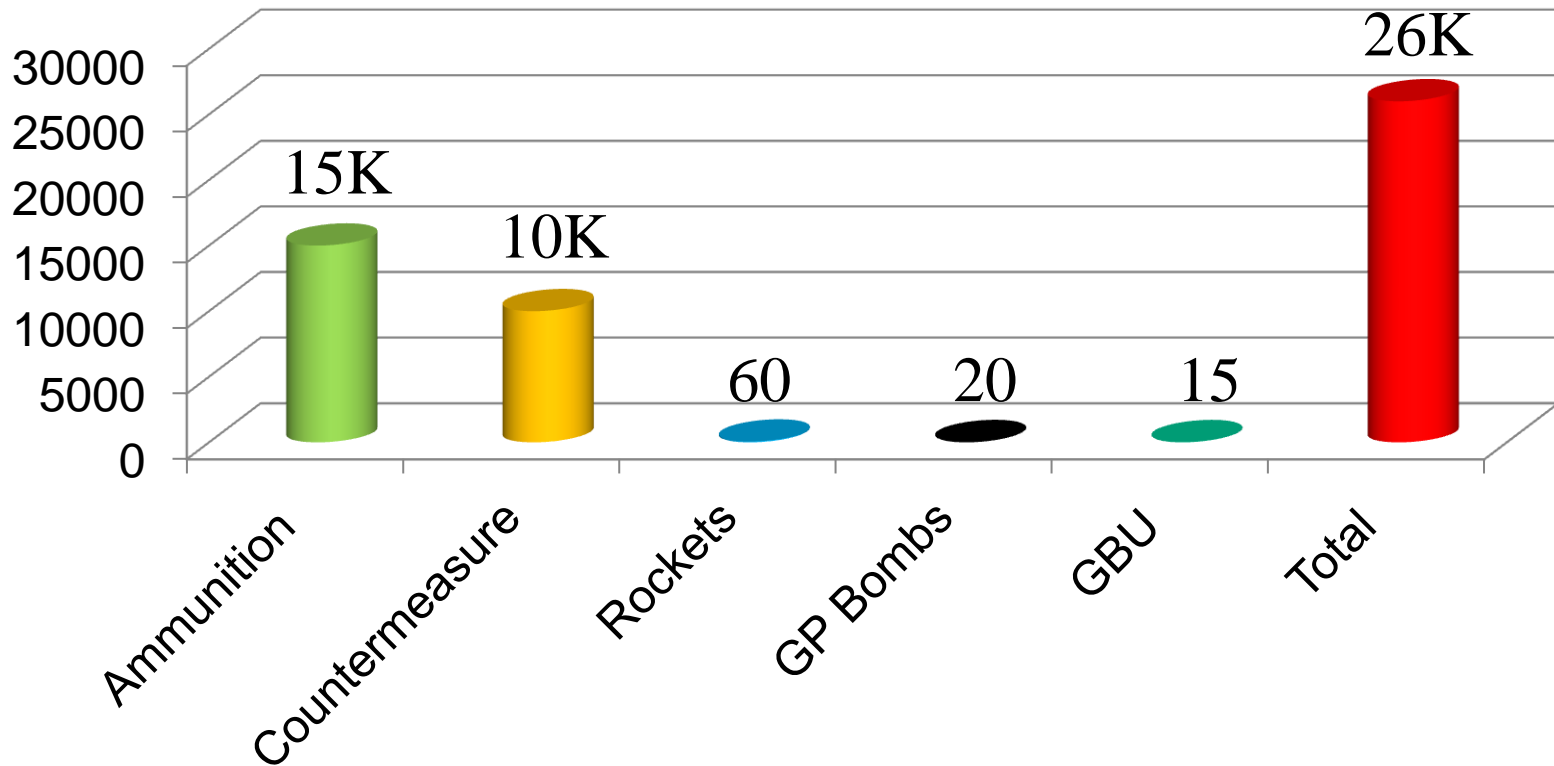


Enhancing Warfighter



Warfighter's Perspective: Munitions Employment

Weekly Expenditure Rate



In support of 2,500 Combat Sorties
99.8% Reliability Rate



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Warfighter's Perspective: Munitions Employment

- Munitions Challenges:
 - Diverse Mission
 - Combat Environment
 - Frag Changes
 - Hot Pit Sorties
 - Production







Warfighter's Perspective: Weapons Safety

- **Kirkuk Air Base, Iraq MSA Mishap (June 2004)**
- **Cause**
 - Excessive vegetation (dry) within MSA
 - Mortars start grass fire which spreads to MSA
- **Munitions involved**
 - Surplus Iraqi munitions stored outside
- **Consequences**
 - Blast/shrapnel damage 6K ft from MSA
 - No Injuries
 - Fire burns for 19.5 hrs
- **Case Studies**





Warfighter's Perspective: Weapons Safety

■ Munitions Storage Area Relocation

- USAF / USA
- 10 Day Required Timeline
- 250K Munitions
- 450K Short Tons Equipment Assets



■ Mission Requirements





Warfighter's Perspective: Weapons Safety

- **Mission Accomplishments**
 - Exceeded Required Timeline by 40%
 - Zero Safety Mishaps
 - Hazard Reduction
 - Optimized Storage Capability
 - Enhanced Mobility





Weapons Challenges to the Warfighter

- **Current Storage Conditions Across the AOR**
- **Sea/Land Container Excessive Heat Build-up**
- **Unimproved Surfaces**
- **Natural Disasters**
- **NEW Limitations**





The Warfighter's Perspective

The Nation has come to rely on this strategic flexibility to create desired, timely, and precise effects at times and places of our choosing, and your Air Force is committed to providing it, even as current combat operations wind down. Note that historically, as land forces withdraw from active combat, the relative requirement for airpower typically increases.

- USAF Chief of Staff Gen. Schwartz

