Overview

War-Winning Capabilities...On Time, On Cost

- Portfolio Capabilities and Successes
- Challenges for the Future
- Armament Enterprise
Mission: Equip Our Warfighters with Air Dominance, Strike, and Combat Support Capabilities to Fight and Win Decisively

- Programs
  - 5 ACAT I
  - 5 ACAT II
  - 11 ACAT III
  - Muns Sustainment Div

- 1590 Personnel Assigned

- $59.6B Portfolio
Air Dominance (EBA)

War-Winning Capabilities...On Time, On Cost

Programs

Advanced Medium Range Air-to-Air Missile (AMRAAM): ACAT I, Joint AF Lead w/ USN; Prime: Raytheon
AIM-9X-2: ACAT II, Production; Prime: Raytheon
Harm Targeting System (HTS): ACAT III, Production; Prime: Raytheon
HARM Control Section Modification (HCSM): ACAT III, Production; Prime: Source Selection

Recent Accomplishments / Challenges

AMRAAM
- AIM-120D entered FOT&E Jun 12
- AIM-120D planned for fielding 1QFY14
- Lot 27 Production Contract award Mar 13
- Production deliveries behind due to rocket motors

HCSM
- Completed Performance Verification Tests
- Source Selection to complete 1QFY13

HTS
- Added HTS capability to 6 F-16 Blk 40 bases
- Delivered update to improve speed & search

AIM-9X-2
- Currently in Operational Testing
- F-22 Separation Testing Underway
- Future Block Evolution R&D Funding Sec
Strategic Systems (EBB)

War-Winning Capabilities...On Time, On Cost

Programs

B61 Tail Kit Assembly: ACAT I, Pre-EMD

Long Range Stand Off (LRSO): ACAT I, Pre-EMD

Recent Accomplishments / Challenges

Utilizes Armament Directorate resources, but aligned to PEO (Strategic Systems), Kirtland AFB NM

B61
- Currently in source selection for the B61 Tailkit Assembly
- Collaborative program with the Dept of Energy’s Bomb Assembly
Direct Attack (EBD)

War-Winning Capabilities...On Time, On Cost

Programs

HTVSF - ACAT II, EMD, MS C Apr 14, Prime: ATK

Massive Ordnance Penetrator (MOP) QRC

JPF - ACAT III, Production, Prime: KPPI
International
- JDAM, LJDAM, SDB I, FMU-152, EPII, EP III

MMHE
- Finalized F-35 Pylon Storage Stand to provide safe pylon storage
- Finalized 20MM Ammunition Transfer Table to provide improved ammunition processing

Recent Accomplishments / Challenges

HTVSF
- Two BLU-113 sled tests were successfully accomplished
- Two GBU-28 (BLU-113) flight tests successfully accomplished on 3 Oct

JPF
- 100,000th JPF fuze produced

MMHE

Munitions Sustainment (EBH)

War-Winning Capabilities...On Time, On Cost

Programs

- Precision Guided Munitions (PGM) Branch
- Components Branch
- Cartridge Actuated Device/Propellant Actuated Device (CAD/PAD) Branch
- Armament Branch
- International Section
- Operations and Readiness Branch

Recent Accomplishments / Challenges

EBH
- Formally moved into the Armament Directorate as part of the AFLCMC 5CC
- Sustainment activities and resources integrated into Armament Directorate

JDAM
- 2207 dropped in OEF in FY12
- 9181 delivered in FY12
- Successful transition from EBD
- First munition released from any variant of the Joint Strike Fighter

PGM Branch
- Completed Laser Maverick Validation/verification for integration w/all airship platforms
Long Range Systems (EBJ)

War-Winning Capabilities...On Time, On Cost

Programs

Joint Air to Surface Stand-Off Missile (JASSM)
- ACAT ID, Production, Prime: Lockheed-Martin

JASSM Extended Range (JASSM-ER)
- ACAT ID, IOT&E, Prime: Lockheed-Martin

Miniature Air Launched Decoy (MALD) &
MALD-Jammer (MALD-J)
- ACAT II
- Prime: Raytheon Missile Systems

Recent Accomplishments / Challenges

JASSM:
- 85 Delivered in FY12
- Lot 10 Awarded for 191 BL and 30 ER Missiles

JASSM-ER:
- Completed IOT&E w/Unofficial 20/21 Score
- On track to FRP in Summer 2013

MALD
- 315 Delivered in FY12
- Awarded Lot 4
- Sep 12 Nominal Reliability Mission

MALD-J:
- 70 Missiles Delivered in Sep 12
- 100% Availability
- Expect Required Assets Avail Dec 12
Miniature Munitions (EBM)

War-Winning Capabilities...On Time, On Cost

**Programs**

Small Diameter Bomb (SDB) I
- ACAT II, Production
- Prime: Boeing

Small Diameter Bomb (SDB) II
- ACAT I, EMD, MS C Jan 14
- Prime: Raytheon

Joint Miniature Muns-Bomb Rack Unit (JMM-BRU)
- ACAT III, Tech Dev, Navy customer

**Recent Accomplishments / Challenges**

**SDB I:** Lot of Operational “First Evers” This Yr
- 25 FLMs Dropped in OEF in FY12
- 2712 FLM/SDB I Delivered in FY12
- AC-130W Fielded w/ Combat Drops
- F-22 and AC-130W Debut at Aug WSEP
- Making Final Push to F-16/SDB I Fielding

**JMM-BRU Request for Proposal Released**
- JMM-BRU Proposals Due Nov 12
- MS B FY15

**SDB II:** Significant “firsts”
- 1st Guided Flight w/Multi-Mode Seeker
- 1st Free Flight Link-16 Network Entry
- 1st Overwater Seeker Test
- 1st F-35A & F-35B Weapons Bay Load
War-Winning Capabilities...On Time, On Cost

Programs

Weapon Planning Software
Munitions Programs
- Low collateral weapons (BLU-129, BLU-109)
-Insensitive Munitions technology
Medium caliber ammunition
Rapid Acquisition Cell (RAC)

Recent Accomplishments / Challenges

BLU 109:
- 17 Dropped in OEF in FY12
BLU 129:
- JMM-BRU Proposals Due Nov 12
- 88 Dropped in OEF in FY12

RAC:
- Successfully completed testing of Multi-Effects Warhead System; increasing Griffin Missile lethality

25mm FAP:
- F-35 Round of Choice
- ACC Concurrence to Proceed to DT/OT
Test and Training (EBY)

War-Winning Capabilities...On Time, On Cost

Programs

QF-16
- ACAT II
- Prime: Boeing

Air Force Subscale Aerial Target (AFSAT)
- ACAT III, Production
- Prime: Raytheon

P5 Combat Training System (P5CTS)
- ACAT III, Production
- Prime: Cubic Defense Applications

Recent Accomplishments / Challenges

QF-16:
- Successfully Conducted the 1st QF-16 Drone Capable Flight

AFSAT:
- AFSAT: Increased Operational Launch Capacity 100% Completing Installation of 6 AFSAT Launch Rails at Tyndall

P5CTS:
- Delivered Final 79 Pods under the Previous Production Contract
- Successful Fielding of 77 pods
Space and C3I (HBZ)

War-Winning Capabilities...On Time, On Cost

Programs

Joint Threat Emitter (JTE), Inc 1
- ACAT III, Follow-on Prod, Prime: Source Sel

Joint Threat Emitter (JTE), Inc 2
- ACAT III, Prime: TBD

Other Programs
- Unmanned Threat Emitter (UMTE) Upgrade Prog
- Common Electronic Attack (CEAR)
- Legacy Range Threats Systems

Recent Accomplishments / Challenges

Welcomed Range Threat Systems (HBZ) Combat & Missions Support Branch to the AFPEO Weapons portfolio

“Excellent” rating at AFMC Unit Inspection

Part of Battle Management Directorate (HB) at Hanscom, based at Hill AFB

JTE Inc 1
- Follow-on production contract RFP released

JTE Inc 2
- Draft Capability Dev Document in Dec
Challenges for the Future

War-Winning Capabilities...On Time, On Cost

• Net Enabled Weapons (NEW)
  – Intelligent Weapon Requirements Will Continue to Expand
  – Need Standards in Place to Maximize Capability

• Industrial Base
  – Fuzes
  – Countermeasures

• Workforce Recapitalization and New Starts
AF GP Fuze Inventory Baseline

War-Winning Capabilities...On Time, On Cost

![Chart showing USAF on-hand quantity for fiscal years 12 to 21, with categories FMU-139, FMU-152, and Combined Objective.]
### AFPEO(W) Portfolio

#### War-Winning Capabilities...On Time, On Cost

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**ACAT I**
- HTM

**ACAT II**
- QF-16 FSAT
- HTVSF
- JI2

**ACAT III**
- CEAR
- HCSM
- JI2

**ACAT IV**
- CRAIS
- LRTSCM
- UMTE

**Special Interest**
- JMM BRU
- CRAIS
Other Challenges

War-Winning Capabilities...On Time, On Cost

- Budget Pressures—Sequestration
- Focus Shift to the Pacific Theater
  - Increased Range
  - More Complex Threats
- Need to Continue Evolving the State of the Art in Weapons
  - GPS-Denied Environments
  - Confined Weapons Bays and Range/Lethality Impacts
  - Harder Targets
  - Nuclear Programs
Armament Enterprise Forum

War-Winning Capabilities...On Time, On Cost

• Purpose:
  – Forum for Eglin leadership to discuss cross-cutting issues
  – Maintain a viable Armament Enterprise

• Members include:
  – PEO(Weapons)
  – AFRL/RW
  – 96 TW
  – 53 WG
  – AFOTEC Det 2
  – DTRA
  – AFLCMC OLs

• Recent Topics:
  – Hard Target Munitions AoA
  – Hard Target Penetrator
  – Intel Support
  – Developmental Planning
  – Rapid Acq Cell
  – Organic Test Capabilities w/ More Intelligent Weapons
  – Legacy Warhead Improvement
  – Insensitive Munitions
Questions

Thank You, Veterans & Happy Thanksgiving