Joint Service Small Arms Synchronization Team (JSSAST) Update

for
Joint Services Small Arms Systems Section
Annual Symposium, Exhibition and Firing Demonstration

20 May 2008

Presented By
COL Scott Flynn
JSSAST Chairman
JSSAST Update

Agenda

- JSSAST Mission
- JSSAST Membership
- Overarching Themes and Status
- Current Programs and Future Plans
- What’s Next?

Members
Joint Service Small Arms Program Office (JSSAP)

- **Who**
  - Joint Service Office Located Within US Army ARDEC

- **Mission**
  - Establish Joint Requirements
  - Evolve Technology for New Soldier Weapon Systems
  - Manage and Execute the Technology Base

**Members**
Joint Service Small Arms Synchronization Team (JSSAST)

**Chairman**
COL Scott Flynn (Director, ESIC)

**Principals:**
- Army: COL Robert Radcliffe (USAIC)
- Marines: LtCol Tracy Tafolla (HQ MCSC)
- Air Force: Col Charles Beck (HQ AFSFC)
- Navy: CAPT Patrick Sullivan (HQ NAVSEA)
- Coast Guard: CAPT Scott Genovese (HQ USCG)
- SOCOM: COL Kevin Noonan (HQ SOCOM)

**Associates:**
- Army PMSW: COL Carl Lipsit (PM Soldier Weapons)
- JNLWD: Mr. Kevin Swenson (JNLWD)

Meets Semiannually
JSSAST Themes

FY08-10

JSSAP Awareness Campaign:
✓ - Continue meeting with Service Members and HQ’s
  - Extend to the Office of the Secretary of Defense

Joint Service Small Arms Master Plan (JSSAMP)
✓ - Complete Departmental approvals of current document
  - Update JSSAMP in FY09/Approve in FY10

Lightweight Small Arms Technologies (LSAT)
✓ - Establishment of a Joint Requirement
  - Build a jointly funded program for the SDD and Production Phases of Acquisition

Joint Small Arms Capabilities Assessment (JSACA)
- Update current document in FY09
- Harmonize the results of the various on-going Service capabilities assessments
Awareness Campaign Status

**Completed**

- US SOCOM PEO SOF Warrior
- USMC PM Infantry Weapons
- USCG Deputy Assistant Commandant for Capabilities
- USN PEO Littoral and Maritime Warfare
- JNLWD Acquisition Division Chief

**Planned**

- USAIC Director Combat Developments
- US Army TRADOC
- All Service Higher HQ Elements
- Office of the Secretary of Defense
JSSAMP Status

Revise/Approve FY09-10

JSSAMP Approved by All Service HQ Elements

November 2008
Lightweight Small Arms Technologies

Current Technology Objectives:
- 35% Reduction in Weapon Weight
- 40% Reduction in Ammunition Weight
- Maintain or Improve Performance
- Demonstrate in Light Machine Gun

Payoff:
- Increased Mobility and Maneuverability
- Decreased Logistics Burden
- Reduced Training and Maintenance

Transition and Fielding:
- Transition Strategy Planning Initiated
- Joint Capabilities Tech Demo Being Explored

Risk Level:
- Medium

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<th></th>
<th>M249</th>
<th>Goal</th>
<th>Caseless/CTA</th>
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<tr>
<td>Weapon</td>
<td>17.5 lb</td>
<td>11.4 lb</td>
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<tr>
<td>Ammo (600 Rds)</td>
<td>20.4 lb</td>
<td>12.2 lb</td>
<td>10.0/13.6 lb</td>
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<td>System (Wpn +Ammo)</td>
<td>37.9 lb</td>
<td>23.6 lb</td>
<td>19.9/23.4 lb</td>
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JSSAP Technology Objectives

Both Efforts Initiated in FY 08

Advanced Fire Control Technology

Advanced Lethal Armament Technology
Long Term Technology Strategy

Futures Conferences

Futures I
Who: Principally Science Fiction Writers
When: 11-12 March 2008
What: Broad-based Concepts Identified and Assessed

Futures II
Who: SME’s from Military, Industry, Academia, Government and National Labs
When: 30 April-1 May 2008
What: Technologies Mapped to Concepts and Assessed
Concepts Assessed wrt Empowerment of Small Arms Platforms
- Lethality/Incapacitation
- Network Integration
- Overall Integration
JSSAST Update

What’s Next?

- Continue Operational Awareness Campaign
- Develop Transition Strategy for LSAT Technologies
- Execute Fire Control and Lethality Technology Thrusts
- Initiate JSACA Update
- Develop Long Term Technology Strategy