



**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)



**Meets
Semiannually**

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)



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



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



**Lightweight Machine Gun
Concept**

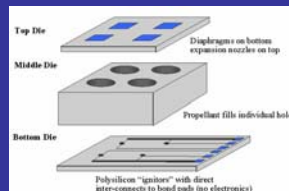
	M249	Goal	Caseless/CTA
Weapon	17.5 lb	11.4 lb	9.9/9.8 lb
Ammo (600 Rds)	20.4 lb	12.2 lb	10.0/13.6 lb
System (Wpn +Ammo)	37.9 lb	23.6 lb	19.9/23.4 lb



JSSAP Technology Objectives



Advanced Fire Control Technology



Advanced Lethal Armament Technology

Both Efforts Initiated in FY 08



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**

