



U.S. Army Research, Development and Engineering Command



Joint Service Small Arms Program  
(JSSAP) Session



***TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.***

Chaired by Joel M. Goldman, Chief JSSAP Office, ARDEC  
NDIA 2014 Joint Armaments Forum, Exhibition & Technology Demonstration  
May 2014



- **Joint Service Small Arms Synchronization Team Activities**
- **Joint Service Small Arms Requirements Integration WG**
- **JSSAP Tech Base Update**
- **NATO Weapons and Sensors Working Group**
- **NATO Non-Lethal Capabilities Sub Group**



# JSSAST Mission



“... Chartered to coordinate and harmonize new Service materiel requirements with potential Joint applications and to maintain an awareness of the Services’ efforts to improve Small Arms capabilities in order to reduce duplication of on-going and planned technology, acquisition and sustainment activities.”

Signed by Claude M. Bolton  
Assistant Secretary of the Army



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- Intensive Management of the DoD Small Arms Tech Base
- Harmonization of Requirements and Testing
- Transition to Program Manager's for Engineering and Manufacturing Development
- Long Range Plans and Strategies
- Influence of International Small Arms Activities





		<u>Primary</u>	<u>Manager</u>	<u>Roles</u>
• <b>Chairman:</b>	<b>COL Scott Turner</b>			<b>S&amp;T</b>
•	Military Deputy, ARDEC, Picatinny Arsenal, NJ			
• <b><u>Principals:</u></b>				
• <b>Army:</b>	<b>COL D. Goldthorpe (USA MCOE)</b>	<b>Capability</b>		
•	Maneuver Center of Excellence, Ft. Benning, GA			
• <b>Marines:</b>	<b>Mr. James Buckley (MCCDC)</b>			<b>Capability</b>
•	Marine Corps Combat Development Command, Quantico, VA			
• <b>Air Force:</b>	<b>Col P. Scholl (HQ AFSFC)</b>	<b>Capability</b>	<b>Program</b>	
•	Security Forces Center, Lackland AFB, TX			
• <b>Navy:</b>	<b>CDR M. Weeldreyer (OPNAV)</b>	<b>Capability</b>		
•	Chief, Naval Operations, Strategy, Arlington, VA			
• <b>Coast Guard:</b>	<b>CAPT E. Giese (HQ USCG)</b>	<b>Capability</b>	<b>Program</b>	
•	Office of Specialized Capabilities, Washington, DC			
• <b>SOCOM:</b>	<b>COL J. Capobianco (PEO SOF Warrior)</b>		<b>Program</b>	
•	HQ, SOCOM MacDill AFB, FI			



• **JSSAST Title**

Primary    Manager    Role

•		<u>Capability</u>	<u>Program</u>	<u>S&amp;T</u>
• <u>Associates:</u>				
• <b>Army PMSW:</b>	<b>COL S. Armstrong (PEO Soldier)</b>		<b>Program</b>	
•	Program Manager Soldier Weapons, Picatinny Arsenal, NJ			
• <b>Army PM MAS:</b>	<b>Mr. T. Coradeschi (PEO Ammo)</b>		<b>Program</b>	
•	Chief Systems Engineer, Program Manager			
•	Maneuver Ammunition Systems, Picatinny Arsenal, NJ			
• <b>Army PM SSL:</b>	<b>Mr. W. Thomka (PEO Soldier)</b>		<b>Program</b>	
•	Systems Engineer, Program Manager,			
•	Soldier Sensors and Lasers, Ft. Belvoir, VA			
• <b>Navy PMSA:</b>	<b>Mr. Bruce Reese (PMS-340)</b>		<b>Program</b>	
•	Assistant Program Manager, Navy Small Arms Program,			
•	Washington, DC			
• <b>JNLWD:</b>	<b>Mr. K. Swenson (JNLWD)</b>			<b>S&amp;T/RDTE</b>
•	Chief, Acquisition Division, Joint Non-Lethal Weapons Directorate,			
•	Quantico, VA			



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<i>JSSAST Title</i>	<u>Primary</u>	<u>Manager</u>	<u>Roles</u>
	<u>Capability</u>	<u>Program</u>	<u>S&amp;T</u>
<ul style="list-style-type: none"> <li>•Navy ONR: <b>Mr. D. Simons, (ONR)</b></li> <li>• Office of Naval Research, Ballston, VA</li> </ul>			<b>S&amp;T</b>
<ul style="list-style-type: none"> <li>•Army ARL: <b>Mr. M. Zoltoski (WMRD)</b></li> <li>• Army Research Laboratory, Aberdeen Proving Grounds, MD</li> </ul>			<b>S&amp;T</b>
<ul style="list-style-type: none"> <li>•Army CERDEC: <b>Mr. T. Bowman (NVESD)</b></li> <li>• Night Vision and Electronic Sensors Directorate, Ft. Belvoir, VA</li> </ul>			<b>S&amp;T</b>
<ul style="list-style-type: none"> <li>•Army ARDEC: <b>Mr. J. Pelino (ARDEC ODOT)</b></li> <li>• Armament Research, Development and Engineering Center, Picatinny Arsenal, NJ</li> </ul>			<b>S&amp;T</b>





## Battle Rhythm

- Meets Face-to-Face Twice a Year
- Individual Service Coordination Meetings

## Typical Agenda

- Review of Action Items from Past Meeting
- Items Requiring JSSAST Decision
- Service Updates
- S&T Program Update
- Special Topics







May 2013

## •DECISION 1:

- Approval of Updated JSSARI Charter

Joint Service Small Arms Requirements Integration Charter update to reflect organizational changes, invited organizations and general updates to the current charter. JSSARI recommends approval of JSSARI Charter and JSSAST approves.



**May 2013**

## **DECISION 2:**

- Improved Project Selection Process for POM 16

- -This Lean Six Sigma (LSS) Project, briefed at the last meeting, was undertaken in recognition of the significant expansion of the Associate Member Roster of the JSSAST and the need to formalize the undocumented process that had emerged as a result of that expansion.

- With your input, the LSS Team has completed the 'Define' and 'Measure' phases of the project.

- -Currently, the team has initiated the 'Analyze' phase, an output of which is the very first draft of what is called the 'To Be Process'.

- -At the meeting, the initial draft of the new process will be discussed and comments will be solicited.

- JSSARI recommends approval and JSSAST approves.



## November 2013

### JSSAP Program Approval FY14

- JSSAP Program updated for FY14
- JSSARI Reviewed, Discussed and Recommends JSSAST Approval
- JSSAST approves the JSSAP Program Prioritization for FY14.



**November 2013**

## JSSAP Program Approval FY14

Funding Type

6.2/6.3  
6.2/6.3  
6.2  
6.2  
6.2  
6.2/6.3  
6.2  
6.2  
6.2  
6.2  
6.2

Program

SAGM - ARDEC Tech Base  
SAGM - ATK Contract  
 ASUSAT - ARDEC/ARL – ADVAP  
 SAM&PT - ARDEC/ARL - One Way Luminescence (OWL)  
 SAM&PT - Anti Corrosion Coating  
 SAW&FC - IAI Contract  
 SAM&PT - ARDEC M240/249 Suppressor  
 ASUSAT - RMSL- Active Stabilization of Firearms (FY-13 Funded)  
 SAM&PT - ARDEC/Benet Labs -Adaptive Solid Lubricants  
 ASUSAT - Battelle Memorial Institute -Analysis of the  
 'Envisioning the Deep Future of Small Arms: 2022-2042' report (FY-13 Funded)



**FY14 Down Select Between Performers**



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**November 2013**

## **Improved Project Selection Process for POM 16**

- JSSARI Reviewed, Discussed and Recommended JSSAST Approval of LSS GB Opportunity Areas in order to build POM16 Investments.
- JSSAST approves the Prioritization of the Opportunity Areas for POM 16 development.





# JSSAST Approved Top 10 Opportunity Areas



Rank	JSSAST Approved Top 10 Opportunity Areas
1	Engage Threat Personnel in Defilade from 15 to 500m
2	Engage Threat Personnel with Small Arms Fire from 0 to 50m
3	Engage Threats with Small Arms Volume Fire from 601 to 1200m
4	Engage Threat Personnel with Small Arms Fire from 51 to 200m
5	Engage Threats with Small Arms Volume Fire from 1201 to 2400m
6	Positively Identify Friendly Forces
7	Avoid Detection Caused by Weapon Signature by Reducing Nonfiring Weapon Profile Signature
8	Operate in Climate Extremes Ranging from Cold Weather to Tropical to Desert Environments
9	Operate and Maintain Weapons at an Operational Availability of 98% through the Range of Specific Conditions
10	Weapon System reliability $\geq .94$ Probability of No Class I or II Failures and $\geq .97$ Probability of No Class III Failures per OMS/MP



## •Next JSSAST Meeting

- Hosted by the Marine Corps
- 11-12 June 2014



# Questions?



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