

NATIONAL SMALL ARMS CENTER (NSAC) & NATIONAL SMALL ARMS TECHNOLOGY CONSORTIUM (NSATC) UPDATE



Presented

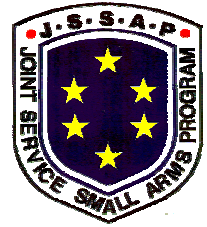
By Frank P. Puzycki – Research Program Director - NSAC

**US Army ARDEC
Picatinny, NJ 07806**

May 2005



National Small Arms Center



What is it?

A **Virtual Center** Headquartered at US Army ARDEC

A **Consortium** of Industry/Academia/National Labs (NSATC) Operating under:

- A Consortium Member Agreement (CMA) and
- An Other Transactions Agreement (OTA)

Agenda Driven by the Joint Service Small Arms Master Plan

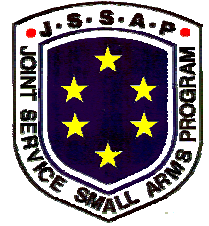
- **Built Upon the Transformation Strategies of the Services**
- **Supported by Joint Small Arms Capability Based Analysis**

Why?

Principally to Give More Visibility to the Need for Greater Resources for Small Arms Technology



National Small Arms Center



Benefits

Greater Synergy Among Industry/Academia/Government

More Expeditious “Contracting”

Better Use of Existing Capabilities and Facilities

Accelerated Technology Development

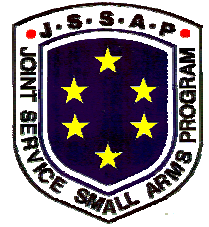
Expanded Technology Opportunities

Increased Congressional Support

For the Benefit of Our Joint Forces



National Small Arms Center



The General Annual Process

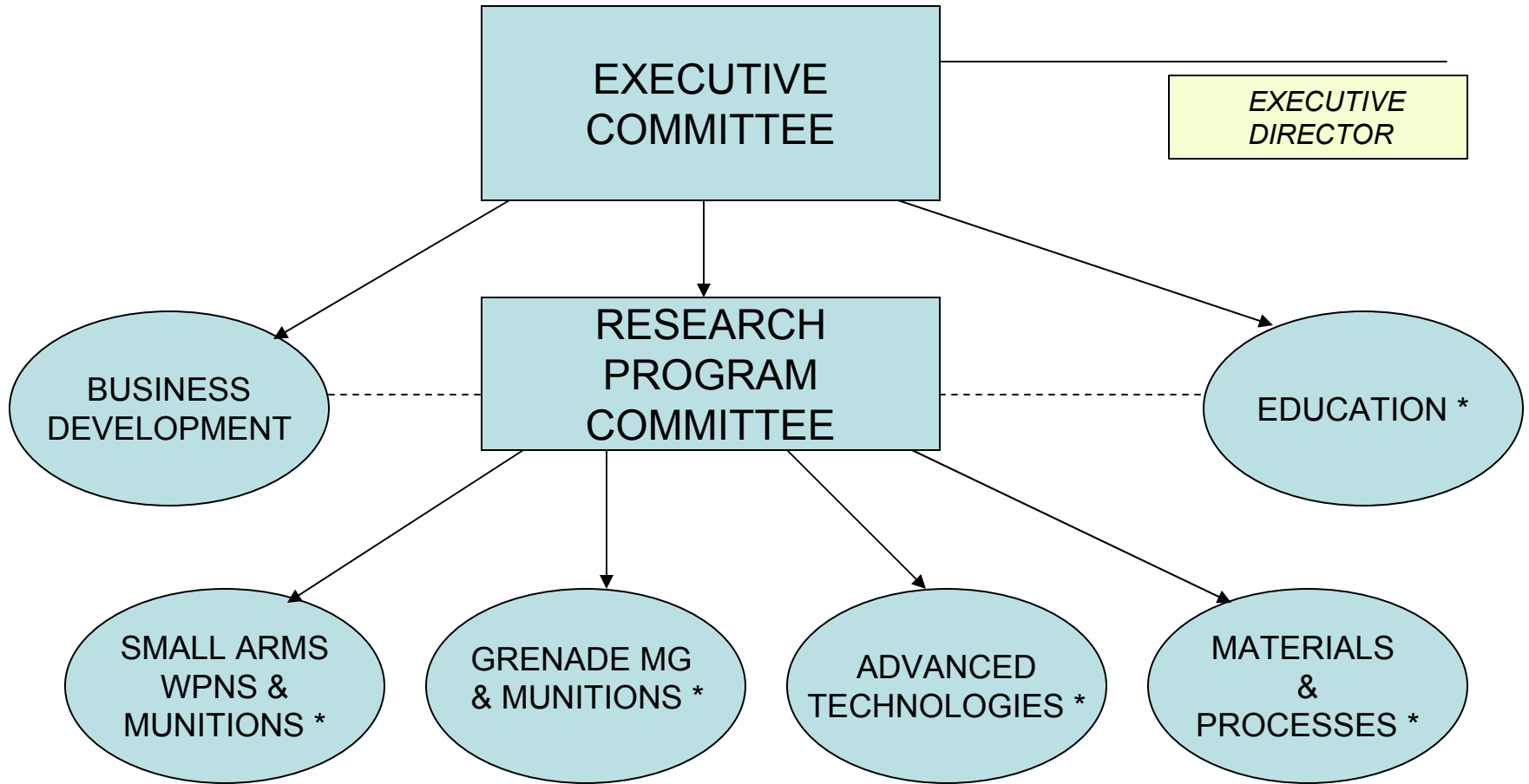
Annual Broad Agency Announcement (BAA)
Call for White Papers
Request for Project Proposals

- Limited to Best 'White Papers'
- Scope, Cost and Proprietary Issues

Final Evaluation
Award of Agreements

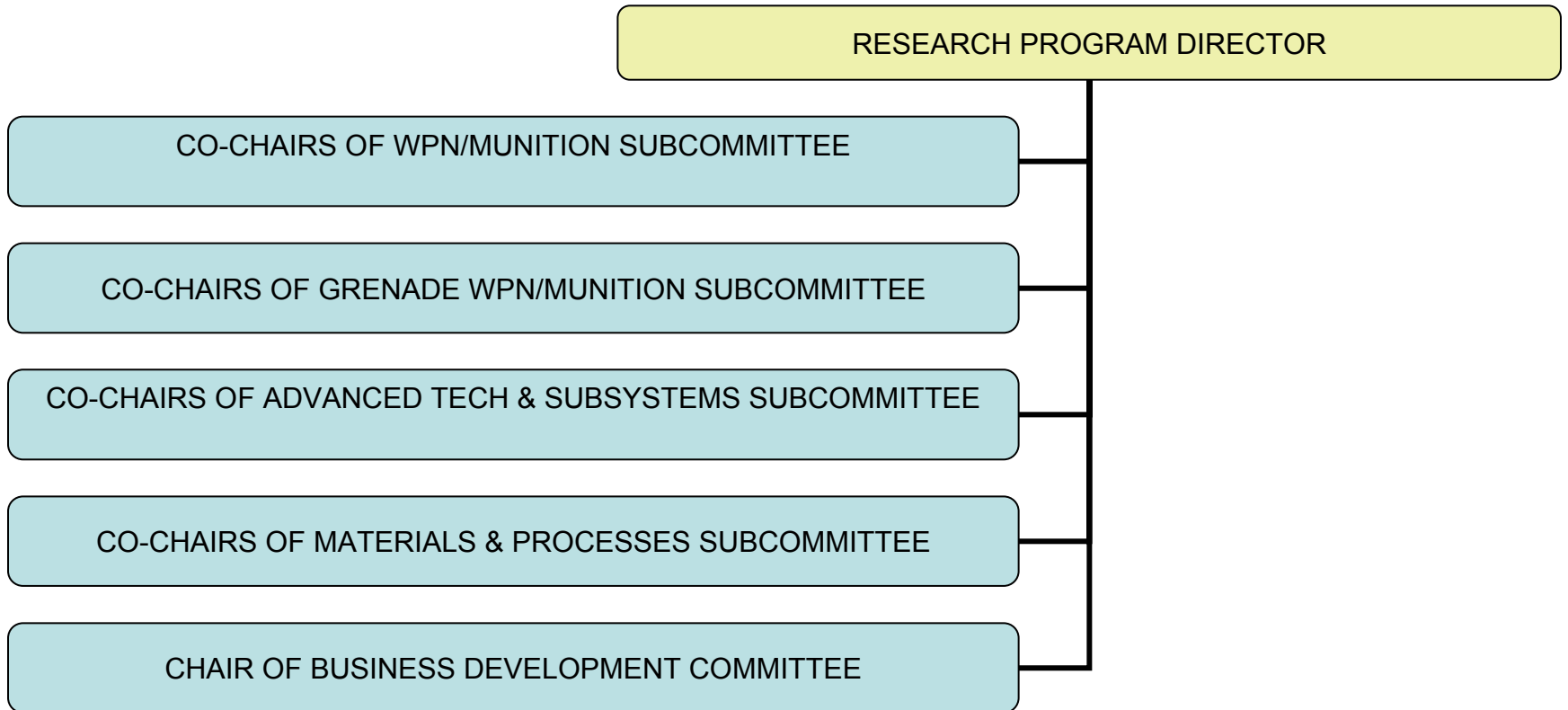
Joint Government, Industry and Academia Involvement Throughout!!!

NSATC STRUCTURE



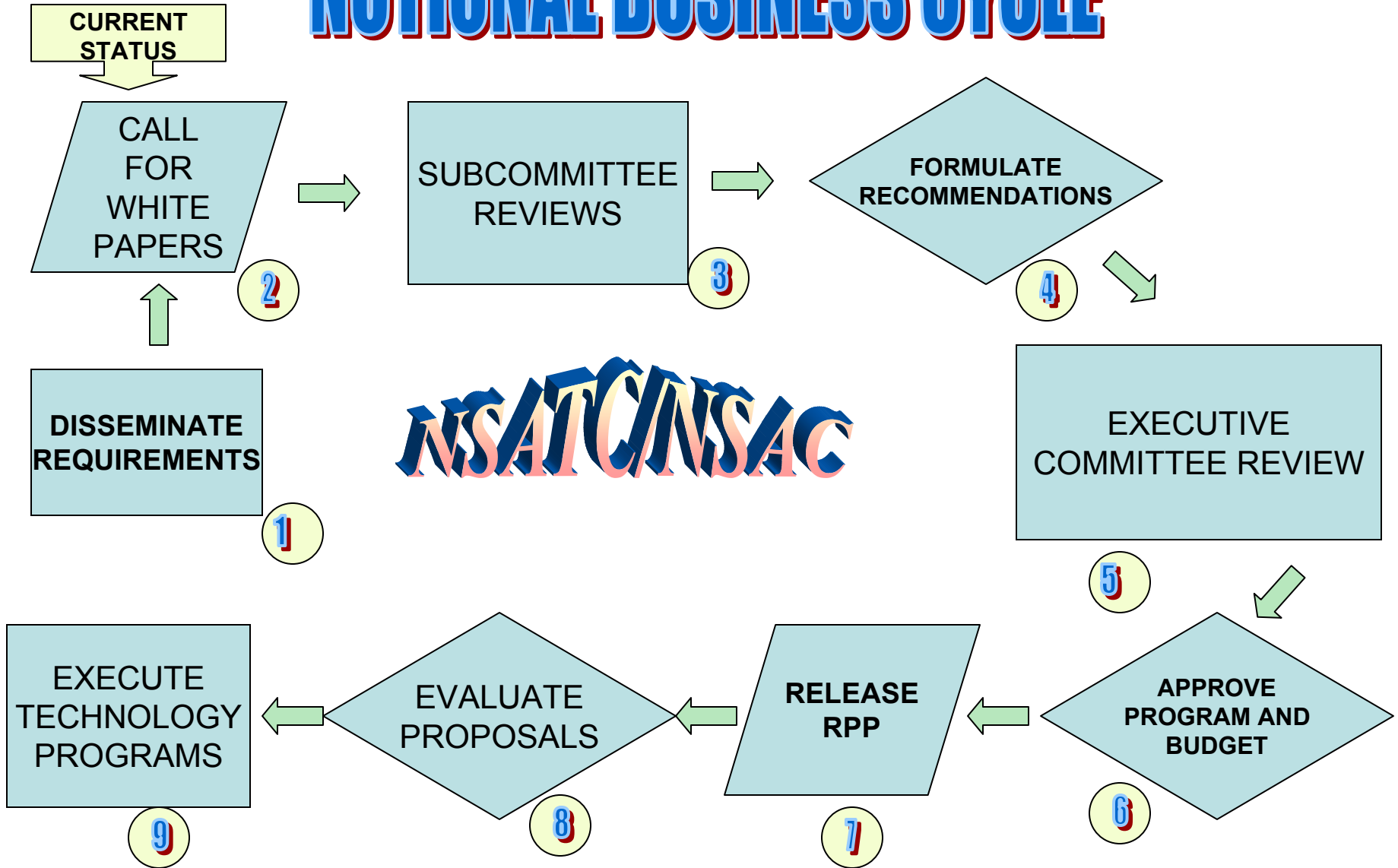
* - CO-CHAIRS FROM INDUSTRY/ACADEMIA AND GOVERNMENT

RESEARCH COMMITTEE



NOTIONAL BUSINESS CYCLE

NSATC/NSAC





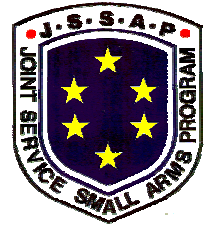
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INNOVATION



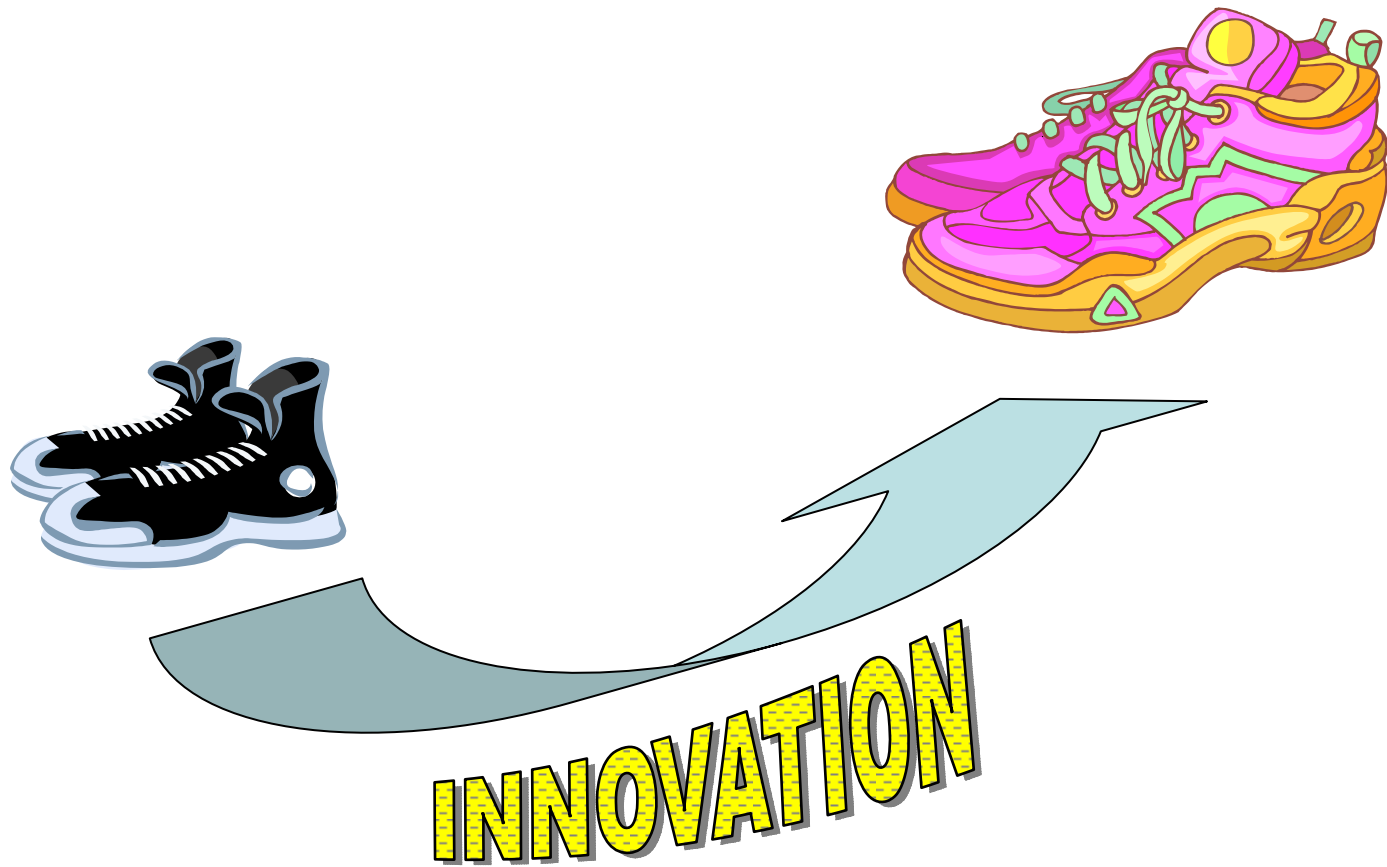
- ***THE “CORE” ORGANIZING FOCUS***
- ***NATIONAL TERRORISM STRATEGY***
- ***THE CASE FOR SMALL ARMS DEVELOPMENT***
- ***PREVALENCE OF MOUT OPERATIONS***
- ***LESSONS LEARNED – SOUTHWEST ASIA***

“The advancement of the arts from year to year taxes our credulity, and seems to presage the arrival of that period when human improvement must end.”

***HENRY L. ELLSWORTH, U.S. commissioner of patents,
Annual Report, p. 5 (1843).***









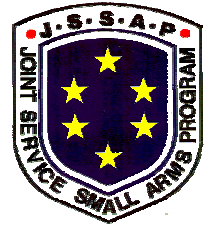
INNOVATION – STIMULI



- ***JOINT SMALL ARMS CAPABILITY ANALYSIS (JSACA)***
 - ***UNPRECEDENTED EARLY IMPACT BY INDUSTRY/ACADEMIA ON TECH BASE PROGRAM FORMULATION***
 - ***MAXIMIZE INFORMATION SHARING***
 - ***WHITE PAPER FORUM***
 - ***RPP PROCESS (FULL AND OPEN)***



National Small Arms Center



Current Status

Forty-six members at present

First BAA Addressed Congressional Plus-ups

- Multiple Technologies: AMSR
- Plastic-cased 5.56mm Ammunition

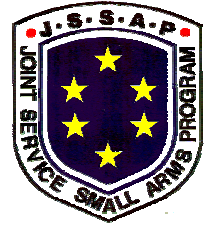
Three Awards to Date:

- Barrett
- Cape Aerospace
- Polytech Ammunition Co.

Joint Government, Industry and Academia Involvement Throughout!!!



National Small Arms Center



Funding Status

- HQDA funds only ONE Small Arms Technology Effort
- All of JSSAP Tech Base Funding (6.2 and 6.3) Supports:
 - Lightweight MG and Ammo STO Through FY2007
- JSSAP has initiated campaign to Increase Small Arms Tech Base Funding based on:
 - JSSAMP
 - Joint Capability Gaps
 - NSAC Technology Assessment

JSSAP Strategy

- Gain Institutional Increase in JSSAP PE's in POM 08
- Seek Other Customer Support in FY 2006-7
- Mobilize Expanded Industry Support (NSATC Business Development Committee)

"UNCLE SAM WANTS YOU!"



Contact:
Darold Griffin / Barbara Byrnes
703-212-8030
EME1BMT@aol.com

"TO INNOVATE!"

EXTRAS

NATIONAL SMALL ARMS CENTER

- The National Small Arms Center represents a virtual construct that seeks to provide the following benefits
 - Create a more focused forum for fostering cooperation within the small arms and related communities among the Military Services, Government agencies, the Industrial base and academia.
 - Expand the Industrial and Academic talent/resource base available to the National Small Arms community
 - Provide a single voice and message in pursuing an enhanced small arms research and development program
 - Afford the industrial base a significant opportunity to interact at the ground floor on developing a master small arms plan and related agenda
 - Maximize the technology and rapid development advantages afforded by the Other Transaction Agreement acquisition initiatives
 - Maximize access to National testing, laboratory and computing assets on a more seamless basis

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INDUSTRY
ACADEME
GOVERNMENT

INNOVATION STIMULI

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INNOVATION

- THE “CORE” ORGANIZING FOCUS
- NATIONAL TERRORISM STRATEGY
- THE CASE FOR SMALL ARMS DEVELOPMENT – “THE STORY”
 - PREVALENCE OF MOUT OPERATIONS
 - SOUTHWEST ASIA LESSONS-LEARNED