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

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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

Developing Radically New Products to Dominate the Battlefield
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

**Benefits**

*Developing Radically New Products to Dominate the Battlefield*
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!!!

Developing Radically New Products to Dominate the Battlefield
NSATC STRUCTURE

EXECUTIVE COMMITTEE

- BUSINESS DEVELOPMENT
- SMALL ARMS WPNS & MUNITIONS *
- GRENADE MG & MUNITIONS *
- ADVANCED TECHNOLOGIES *
- MATERIALS & PROCESSES *

EDUCATION *

* - CO-CHAIRS FROM INDUSTRY/ACADEMIA AND GOVERNMENT
RESEARCH COMMITTEE

- RESEARCH PROGRAM DIRECTOR
  - CO-CHAIRS OF WPN/MUNITION SUBCOMMITTEE
  - CO-CHAIRS OF GRENADE WPN/MUNITION SUBCOMMITTEE
  - CO-CHAIRS OF ADVANCED TECH & SUBSYSTEMS SUBCOMMITTEE
  - CO-CHAIRS OF MATERIALS & PROCESSES SUBCOMMITTEE
  - CHAIR OF BUSINESS DEVELOPMENT COMMITTEE
NOTIONAL BUSINESS CYCLE

1. CURRENT STATUS
2. CALL FOR WHITE PAPERS
3. SUBCOMMITTEE REVIEWS
4. FORMULATE RECOMMENDATIONS
5. EXECUTIVE COMMITTEE REVIEW
6. APPROVE PROGRAM AND BUDGET
7. RELEASE RPP
8. EVALUATE PROPOSALS
9. EXECUTE TECHNOLOGY PROGRAMS

NSAT/CUNSAC
INNOVATION

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

Developing Radically New Products to Dominate the Battlefield

ARDEC
“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.”

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)

Developing Radically New Products to Dominate the Battlefield
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)

Developing Radically New Products to Dominate the Battlefield
"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
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