





2015 NDIA Armament Systems Forum

The National Armaments Consortium (NAC) Support of Emerging Armaments Technology



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Agenda



- What is the NAC-DOTC Enterprise
- Who Uses It and Why
- Success Stories
- Why is NAC-DOTC So Successful









DOTC—The Most Successful Consortium in the DoD



- Innovation is exponential to number of collaborators
 - 300 Industry/Academic members of the National Armaments Consortium (NAC)
 - Broad Government Agency participation across US Army, Navy, Air Force, Marines, DARPA, OSD, and SOCOM
- Single Repository for over 280+ emerging requirements with projected funding level of \$605M alone for FY16
- Collaborative technology planning and Competitive proposal submission
- Established Rapid and agile acquisition processes
- Accelerates technology through the TRL pipeline for battlefield superiority

The Warfighter is the Winner



The DoD Ordnance Technology Consortium



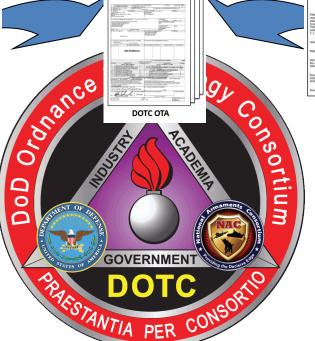
DoD Ordnance Community



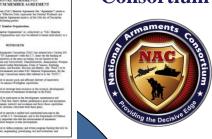
OSD Charter

- OUSD (AT&L) LW&M
- Department of The Army
- Department of the Navy
- Department of the Air Force
- · Special Operations Command
- DARPA
- DTRA
- Other Agencies and Departments

Overarching Agreement Section 845 Other Transaction



National Armaments Consortium



NAC CMA

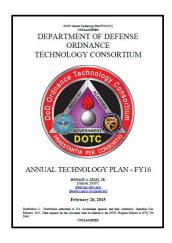
- Defense Contractors
- · Small Businesses
- Academic Institutions
- Non Profit Organizations
- Not -for-Profit Organizations
- Non-Traditional Defense Contractors

The DOTC Enterprise... Partnering to Accelerate Warfighter Superiority



What is the DOTC







DOTC Annual Cycle Milestones

- NAC Suggested Topics
- Collaborative Annual Technology Planning
- Request for Ordnance Technology Initiatives
- White Paper and Proposal Submissions
- Project Evaluation, Selection and Award







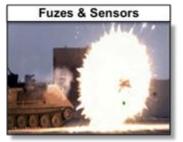














Streamlined Acquisition



Who Uses DOTC



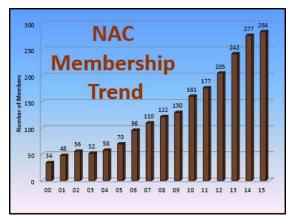




NAC Offers One-Stop Shopping



- Large knowledge base on controlled website
 - Annual Plan, Road Maps, Proposal Support
 - Capabilities of traditional and non-traditional contractors
- Participate in DoD Forums/Panels
 - JIMTP, Fuze, Energetic Materials, CRADAs, workshops
- Industry Days with DoD
 - Requirements and One-on-Ones
- Provides teaming opportunities with DoD and Industry
- Opportunity to bid on over 280 Government funded requirements and technology gaps
- Single point contracting through SCRA consortium management firm







Unlimited Opportunities to Collaborate and Innovate



Why Use DOTC



U.S. Government

- Access to broad spectrum of traditional and non-traditional contractors
- Source selection integrity preserved
- Incrementally fund projects
- Open dialogue with NAC members until proposal submittal
- Proposals placed in basket for 3 years
- No protests allowed under OTA

Industry and Academia

- IRAD funds can be used to fund projects
- Enables planning for technology investments
- Reduced B&P costs with use of White Papers before proposal preparation
- Higher visibility into USG requirements
- Open dialogue with the Government until proposal submittal
- Ability to market proposals for 3 years





Prototype Complexity

System of **Systems**



Hyper Velocity Railgun



System

Area **Denial**



LRLAP



APMI



Cryofracture **DEMIL**



Subsystem

Component

DOTC Successes are Found Across Many Prototype Maturity and Complexity Levels

Active Stabilization



Perchlorate Replacement



TATB



TRL 2 Technology Concept

TRL 3 Proof of Concept

TRL 4 Lab Validation

TRL 5 Relevant Validation

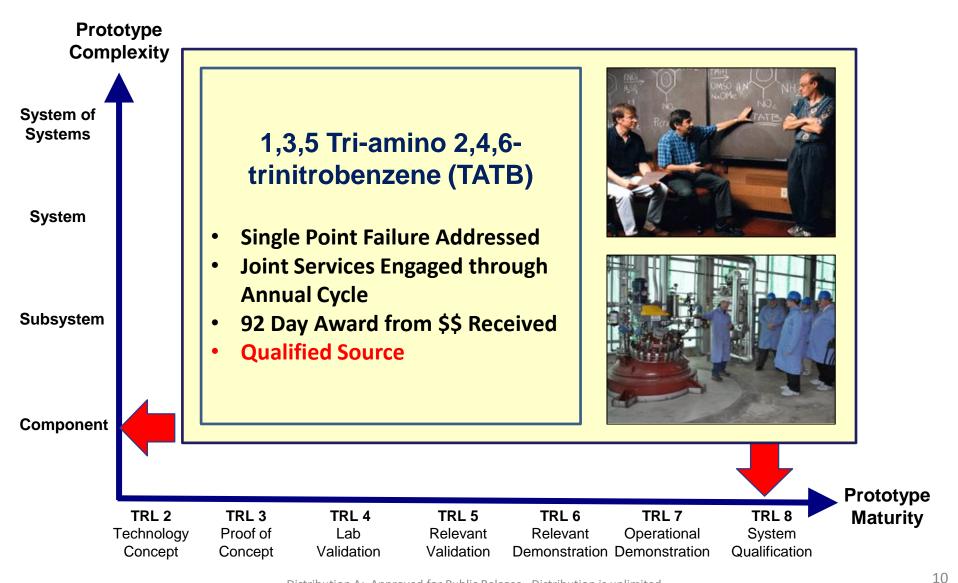
TRL 6 Relevant

TRL 7 Operational **Demonstration** Demonstration

TRL 8 System Qualification **Prototype Maturity**

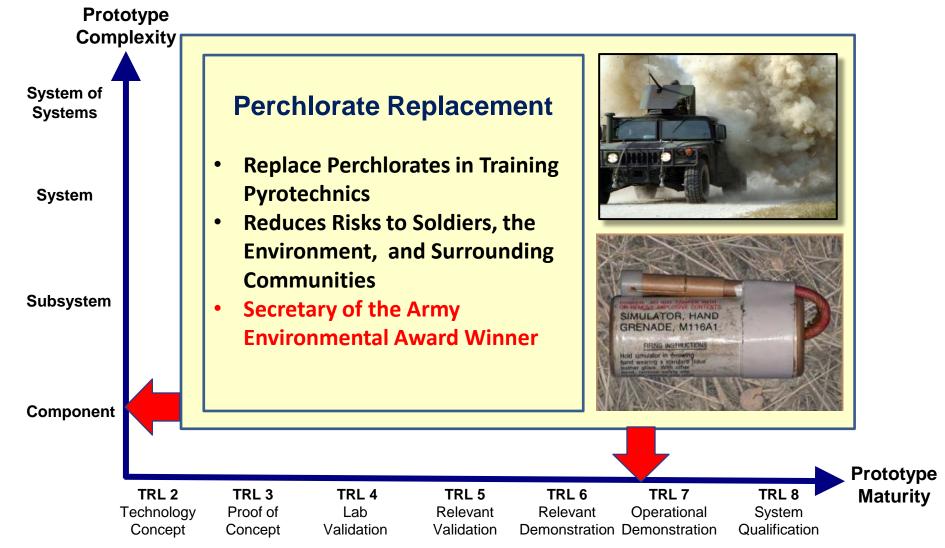












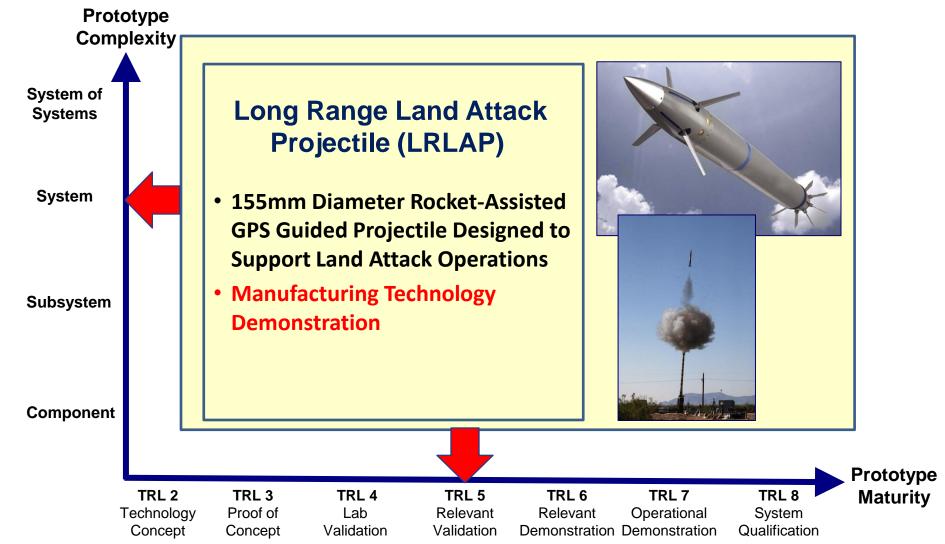






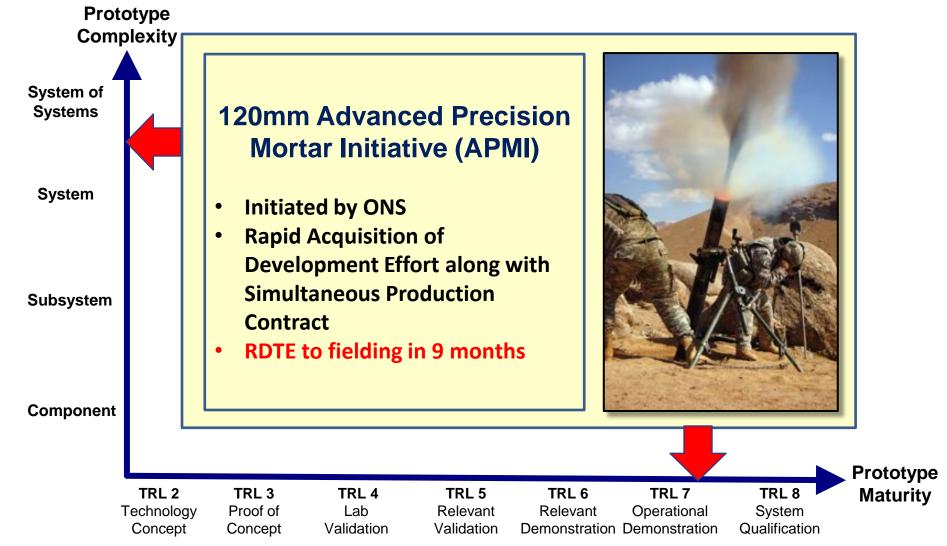














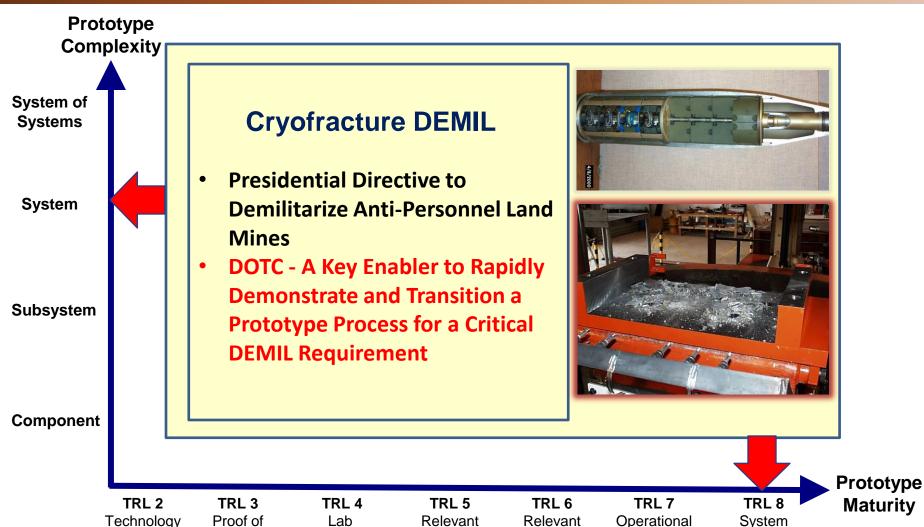
Concept

Concept

Validation

DOTC Success Stories





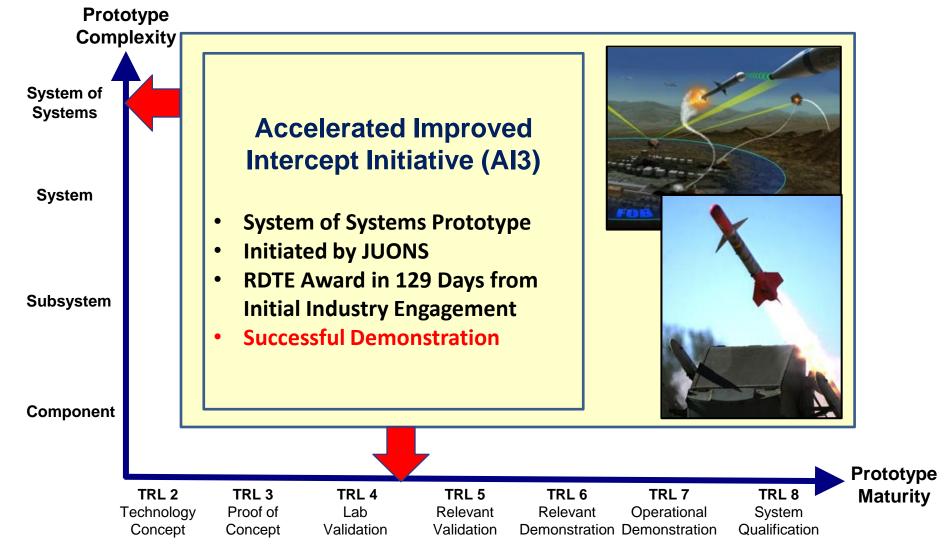
Qualification

Validation

Demonstration Demonstration

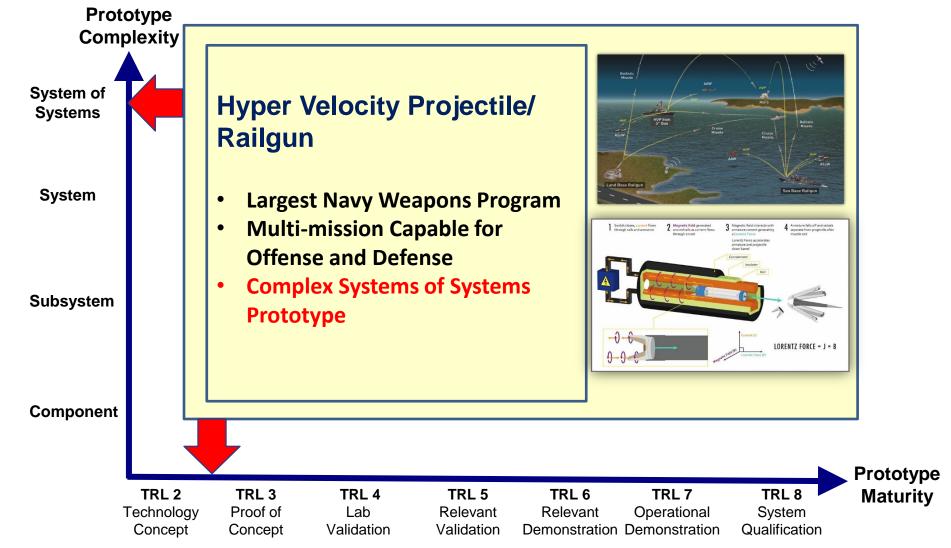






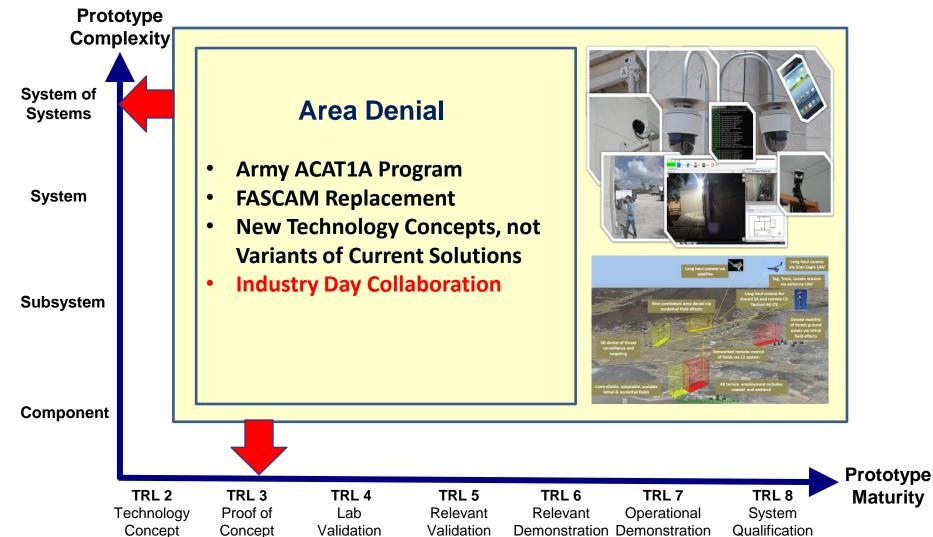














Why is DOTC so Successful



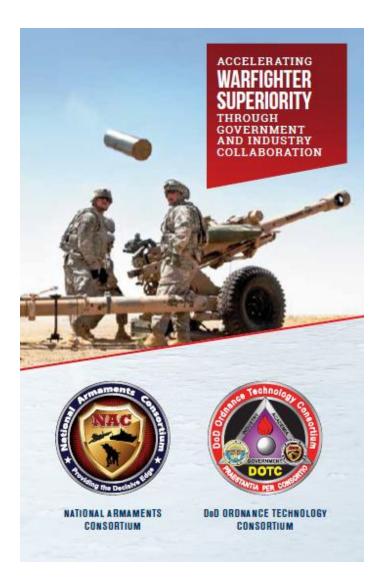
- DOTC has become an industry benchmark for Defense consortia
 - Since 2000 over \$1.5B total funding, 600+ awards and 300+ NAC members
- Processes Established and disciplined approach
- Continuous improvement culture
- Unique "can do" attitude
- Strong Government and Industry infrastructure to ensure your success (websites, help documentation, collaboration events, training sessions)
- Leadership support

Our Focus is Technical Innovation and Broad Collaboration in Support of the Warfighter



Come Join Our Team!





- Government POCs should contact the DOTC Program office directly
- Industry POCs should contact SCRA directly and join the NAC
- Visit us at <u>www.nac-dotc.org</u>

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