

DoD Ordnance Technology Consortium (DOTC)

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OSD-ATL

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DOTC Vision



An integration of Government, Industry, and Academia into a single enterprise executing Joint and co-funded initiatives, sharing and developing goals and objectives, resources and assets, and utilizing existing personnel, facilities and equipment



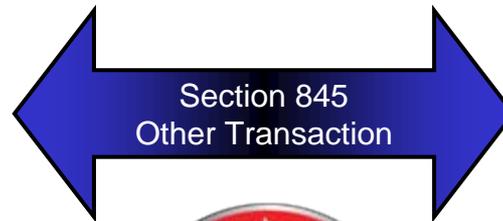
DoD Ordnance Technology Consortium (DOTC)

Government Laboratories



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

Rapid & Agile Acquisitions



National Warheads & Energetics Consortium



- Defense Contractors
- Traditional & Non-Traditional
- Academic Institutions
- Not-for-Profits Organizations

DoD and NWECC... Partnering to Leverage Capabilities and Investment



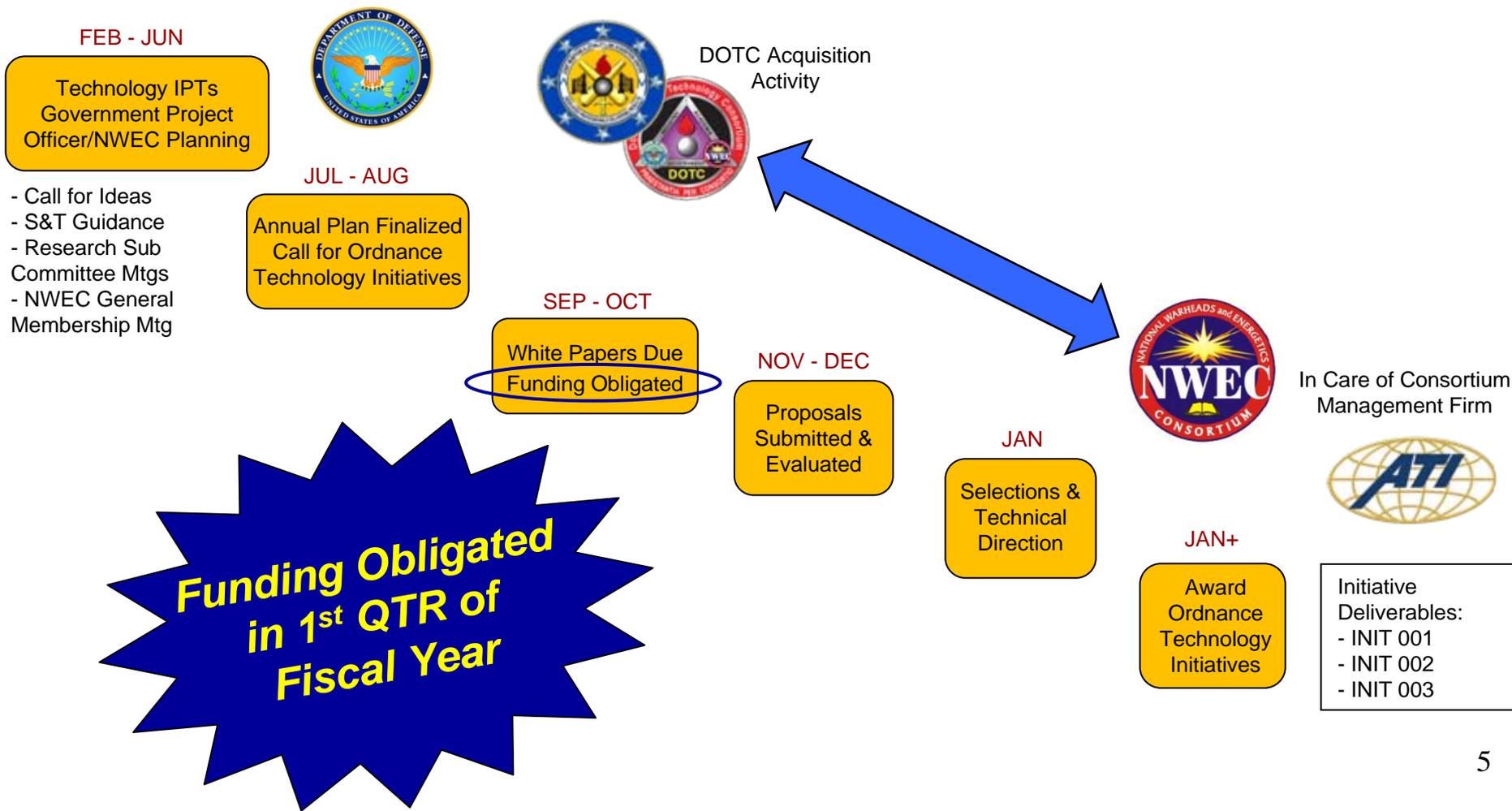
Mission

- DOTC's mission is to demonstrate feasibility and/or the transition of Advanced Explosives, Propellants, Pyrotechnics, Warheads, Fuze/Sensors, Demil, Joint IM and Enabling Technologies through Prototype Initiatives
 - Rapid technology transfer to the Warfighter
- Advocates a critical mass of world-class technologists to meet the National Defense needs
- Leverages government, private industry and academia R&D resources (funding, personnel, facilities and equipment) to maximize return on investment
 - Promotes nontraditional defense contractor involvement
 - Promotes innovation
- STEM program is an integral part of OSD's Educational Outreach Program in providing an ongoing source of scientific and engineering talent for government R&D labs
 - Maintain future US Armed Forces battlefield superiority



Single Point Contracting Model

Funding Obligation and Project Award...





FY10 Schedule

Call for Good Ideas/Annual Plan Updates	MAR 09
SubCommittee Meetings	MAY 09
NWEC General Membership Meeting	15-16 JUL 09
Finalize Annual Plan	30 July 09
DOTC Executive Committee meeting	17 AUG 09
Request for Ordnance Technology Initiatives	24 AUG 10
White Paper Submittal to ATI	15 SEP 09 (noon EST)
White Papers Sent to Government	17 SEP 09
White Paper Feedback to NWEC Members	06 OCT 09
Proposals Received by ATI	18 NOV 09 (noon EST)
Government Evaluation of Proposals	21 DEC 09
Technical Direction & Initial Awards	JAN 10



OT's Provide a Better Way To Do Business

- Break-through technologies are more accessible to DoD labs
 - Small businesses and academia team with industrial base suppliers
 - Identify and provide industry technology gap visibility
- Innovative business relationships and partnerships
- Flexibility to better manage R&D programs and meet technical objectives (requirements continuously evolve in R&D)
- More opportunities to obtain and/or leverage funding and resources
- Managers are able to allow engineering staff focus on technical details of projects rather than administration details of contracts

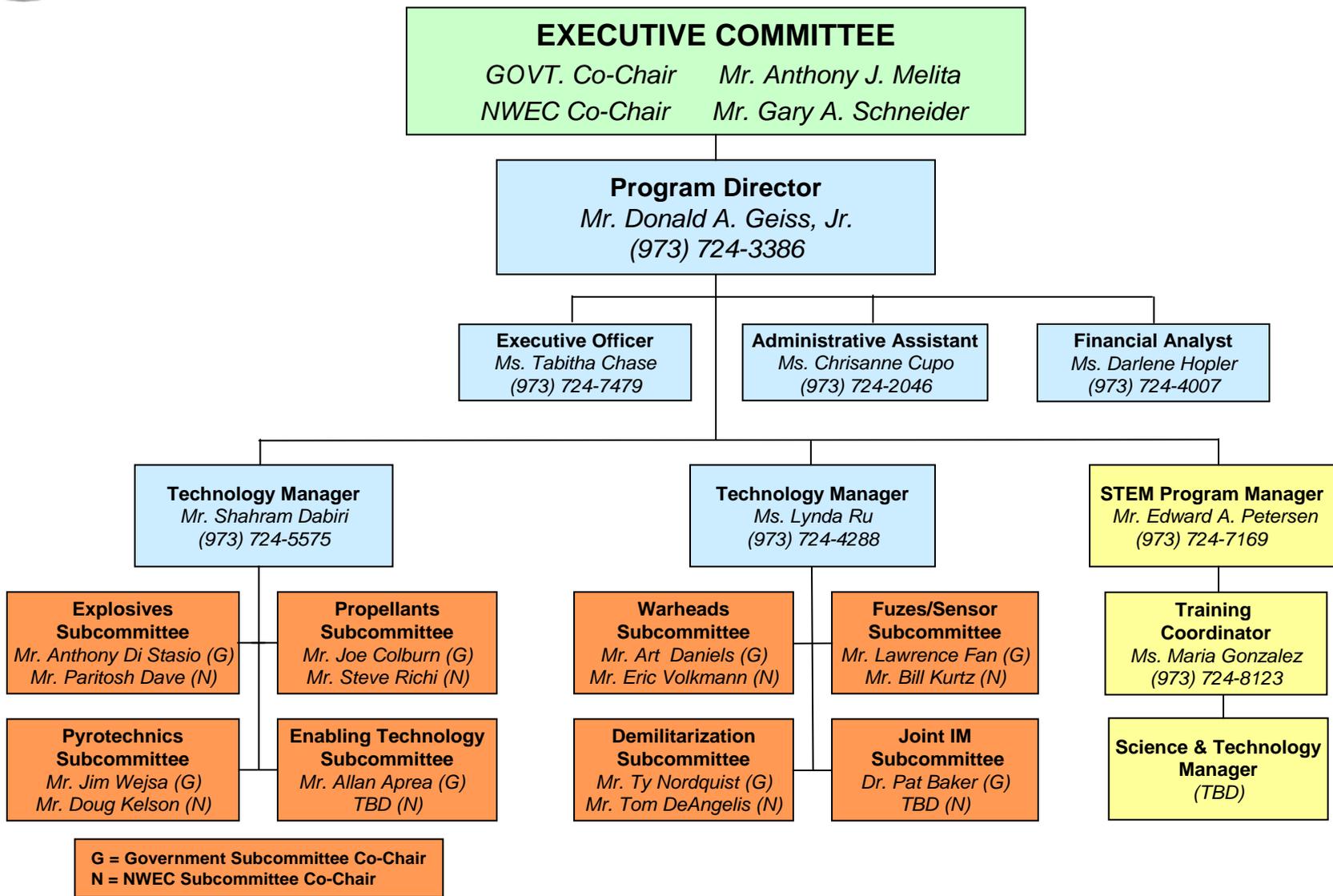


TATB

- Collaborative effort to establish and demonstrate a US manufacturing capability for TATB
- A joint working group was formed consisting of technical experts from the Air Force, Army, Department of Energy, OSD, and the Navy
- Co-funded by Air Force, Army and Navy

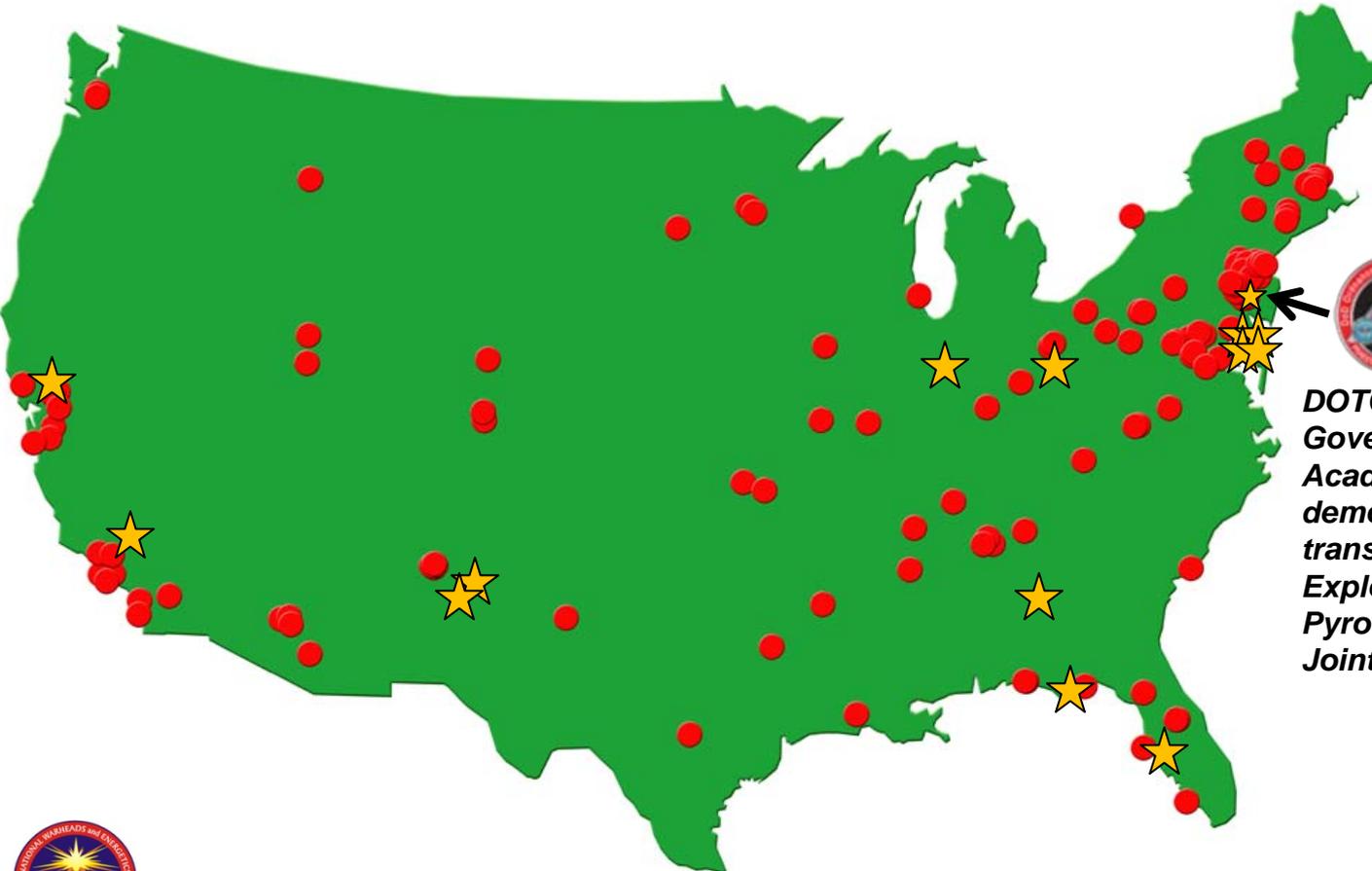


DOTC Management Organization





Broad Based Participation



...
DOTC is an integration of Government, Industry, and Academia into a single enterprise to demonstrate feasibility and/or the transition of Advanced Warheads, Explosives, Propellants, Pyrotechnics, Fuze/Sensors, Demil, Joint IM and Enabling Technologies



- ★ - Govt Program / Lab Participants
- - Industry participants

Over 120 member companies performing innovative R&D, needed to develop and transition new technologies into weapon systems to support the advancement of future war fighting capabilities.



NWEC Traditional Companies

Accurate Energetics Systems LLC

Aerojet

American Ordnance LLC

American Systems Corp.

Applied Energetics

Applied Research Associates

Armtec Defense Products-

Esterline Defense Group

ATK Advanced Weapons

ATK Launch Systems

Axsun Technologies , Inc.

BAE SYSTEMS.

Battelle

Cartridge Actuated Devices, Inc.

Chemical Compliance Systems, Inc.

Concurrent Technologies Corporation

Day & Zimmermann, Inc.

DE Technologies, Inc.

Dindl Firearms Manufacturing, Inc.

Dynamic Systems & Research Cotp

Dynetics, Inc.

Eagle Picher Technologies, Inc.

El Dorado Engineering Inc

Electronics Development Corp.

Energetics Material & Products

Ensign-Bickford Aerospace

& Defense Company

Frontier Performance Polymers Corp.

General Atomics

General Dynamics Ord & Tactical Sys

General Sciences, Inc.

Goodrich Sensors & Integrated Systems

Hi-Shear Technology Corp.

Honeywell International, Inc.

Infoscitex Corp.

Kaman Aerospace Corp

Kilgore Flares Co. LLC

Lasertel, Inc

L-3 Communications - BT Fuze

L-3 Communications – KDI .

Lockheed Martin Company

Malcolm Pirnie, Inc.

Material Processing and Research, Inc.

Mecar USA, Inc

Medico Industries, Inc.

**Missouri University of Science and
Technology**

MSE Technology Application, Inc.

NAMMO Talley, Inc.

National Technical Systems, Inc.

New Jersey Institute of Technology

Northrop Grumman Space Technology

Pacific Scientific Energetic Materials Co.

Planning Systems, Inc.

Raytheon Company

Reynolds Systems, Inc.

SAIC

SAIC – Systems Engineering & Technology

SciTech Services, Inc.

SCRA

Stevens Institute of Technology

Subsystems Technologies, Inc.

Syntronics, LLC

Systema Technologies, Inc.

Tanner Research, Inc.

Technikon LLC

Teledyne RISI

Texas Tech University

Textron Systems Corp.

The Boeing Company

The Ex One Company

The Pennsylvania State University

The Timken Company

Touchstone Research Lab., LTD

TPL, Inc.

Universal Technical Resource Services, Inc.

University of Denver

University of Florida

University of Maryland

University of Mississippi

University of Texas at Austin

UXB International, Inc.

Veritay Technology, Inc.

West Virginia University Research Corp.



NWEC Non-Traditional Companies

Action Manufacturing Company
**AdvancedMaterials &
Manufacturing Technologies, LLC**
Ahura Corporation
Applied Sonics, Inc.
BEC Manufacturing Corporation
Bennington Microtechnology Center
BlastGard International, Inc,
CarboMet LLC
CAE Solutions Corp
CLogic, LLC
**Combustion Propulsion and Ballistic
Technology Corporation**
Engineering and Management Executives, Inc.
Erigo Technologies, LLC
FED-COMM USA, Inc.
Folsom Technologies
G. Schneider & Associates, Inc.
Gunger Engineering
Hittite Microwave Corp.
HT Microanalytical Inc.
Imperial Machine & Tool Company

Innovative Technologies International
Latrobe Specialty Steel Company
Milli Sensor Systems & Actuators, Inc.
Mixed Signal Integration
Nanomaterials Discovery Corp
nanoPrecision Products, Inc.
NASCENTechnology
Nuvotronics
Pendulum Management Co., LLC
Plasma Processing Inc.
Polestar Technologies Inc.
Polymer Processes, Inc.
QuesTek Innovations LLC.
Safety Consulting Engineers
Savit Corp.
SMH International, LLC
Special Devices, Inc.
Stanley Associates
STG Inc.
Tanenhaus and Associates, Inc.
Thermal and Mechanical Technologies



DOTC/NWEC WebSite

NWEC Website - Windows Internet Explorer

http://www.nwec-dotc.org/dotc/index.html

File Edit View Favorites Tools Help Links marketing ATI Exploders Newspapers Photos SCRA Design Vendors

NWEC Website



Department of Defense Ordnance Technology Consortium

- Home
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ABOUT DOTC

DEPARTMENT OF THE DEFENSE ORDNANCE TECHNOLOGY CONSORTIUM (DOTC)

DOTC is an integration of Government, Industry, and Academia into a single enterprise executing joint and co-funded initiatives; sharing and developing goals and objectives, resources and assets; and utilizing existing personnel, facilities and equipment.

MISSION:

DOTC's mission is to demonstrate feasibility and/or the transition of Advanced Warheads, Explosives, Propellants, Pyrotechnics, Fuze/Sensors, Demilitarization, Enabling Technologies, and Insensitive Munitions by:

- Advocating a critical mass of world-class technologists to meet the Department of Defense needs for Conventional Energetics (Explosives, Propellants and Pyrotechnics), Warheads, Fuze/Sensors, Demilitarization, Enabling Technologies, and Insensitive Munitions;
- Operating as an "open" center in which industry, academia, and other Government organizations and departments can freely participate;
- Being a focal point to rapidly transfer technology to the soldier in the field;
- Developing strong working affiliations with private and public Energetics, Warheads, Fuzes/Sensors and DEMIL facilities and technology organizations;
- Leveraging governmental and private sector research and development resources to maximize return on investment;
- Promoting non-traditional defense contractor involvement;
- Promoting innovation;



Take Away

- The DOTC OTA (FY09-FY16, \$700M) is established and available to obligate funding
- Better collaboration among Government labs
 - Engagement of more DoD/DOE labs
 - Leveraging established DoD IPT processes
- DOTC supports partnerships, use of non-traditional contractors and education outreach
- DOTC provides a focal point to rapidly transfer technology to the Warfighter
- Visit web site at www.nwec-dotc.org for additional information