Defense Innovation Marketplace

Mar 13

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Purpose

- Describe OSD’s Defense Innovation Marketplace and its capabilities
- Outline important application for AFRL -- Human Systems Community of Interest Technology Interchange
Opportunity to Make a Difference
Better Buying Power (BBP) Initiative

MEMORANDUM FOR DEFENSE ACQUISITION WORKFORCE

SUBJECT: Better Buying Power 2.0: Continuing the Pursuit for Greater Efficiency and Productivity in Defense Spending

It’s been over two years now since Dr. Carter and I issued guidance to the acquisition community to ensure affordability and increase productivity in defense spending to deliver better value to the taxpayer and Warfighter. This guidance was followed by Better Buying Power (BBP) initiatives for increasing efficiencies in order to “do more without more.” In these last two years, we’ve made significant strides, to include institutionalizing many of these initiatives. We are making good progress; we have learned from our experience, but we still have much to accomplish.

Through this memorandum I am introducing a preliminary version of BBP 2.0. After a period of two months for review and comment by stakeholders in industry and government, this will be followed by a more detailed memorandum that will outline the specific goals and requirements for each initiative included in the final BBP 2.0. We will continue to emphasize existing BBP initiatives that are especially important to our success or that require additional refinement, and we will incorporate new ideas and best practices to emphasize that have emerged from the work of the last two years.

As depicted in Attachment 1, BBP 2.0 encompasses 36 initiatives (which are further described in Attachment 2) that are organized into seven focus areas. These include a new focus area that reflects the importance of our total acquisition workforce. The basic goal of BBP, however, remains unchanged: deliver better value to the taxpayer and Warfighter by improving the way the Department does business.

As we move forward with BBP 2.0, let me reiterate that this represents a management philosophy of continuous improvement in our acquisition practices. Improving the productivity of all our contracted work, both products and services, is not an easy task that can be accomplished with a simple set of policy changes. It will require the professionalism and dedication I know I can expect from everyone in the workforce. We are entering an era where resources for the Defense Department are likely to be limited. We must work every possible cent of value for the Warfighters we support from the dollars with which we are entrusted by the American taxpayers.

Frank Kendall

• **Goal:** Deliver better value to taxpayer & warfighter by improving how DoD does business

• Incentivize Industry/Gov’t productivity and innovation

• Expand programs to leverage industry’s IR&D
IR&D Technical Interchanges
Opportunity to Improve

Coord. Voice
- MAJCOMs
- Centers / PEOs
- AFRL

AF Transmits Tech Needs To Industry
Gov → Ind

Understanding Industry’s IR&D
Ind → Gov

Partnering Opportunities
Ind + Gov
Collaboration Strategies
Assess/Align

IR&D Technical Interchange Framework

Step 1 – Marketplace
Step 2 – F2F
Step 3 – CRADAs, Roadmap Adjs, KTR IR&D Deltas, etc...

Focus / increase IR&D investment directed towards AF needs.

Want to take advantage of the virtual Marketplace to streamline the steps in our interchange.
**GOALS**

- Better connect industry with gov’t customers and invigorate innovation using a centralized online resource
- **Government:** Provide new search tools to assess and leverage industry technology projects
- **Industry:** Place to learn about DoD investment priorities and capability needs

GO TO: www.DefenseInnovationMarketplace.mil
### Strategic S&T Overview

**US S&T Priorities**
- Science and Technology Priorities for the FY 2014 Budget
- Science, Technology & Innovation For National Security

**FY13 Testimony and Remarks**
- Assistant Secretary of Defense for Research and Engineering (ASD(R&E))
- ASD(R&E) Laboratories Testimony
- Army S&T Testimony
- Army Leadership **NEW**
- Navy
- Air Force S&T Testimony
- ISR Remarks
- State of the Air Force
- USMC S&T Testimony
- DARPA S&T Testimony

**Cyber Security Testimony**
- ASC(R&E) Cybersecurity Testimony
- Air Force Cybersecurity
- Navy Cybersecurity
- Army Cybersecurity
- USMC Cybersecurity
- DARPA Cybersecurity

**S&T Emphasis Area Roadmaps**
- Autonomy
- Cyber
- Countering Weapons of Mass Destruction
- Data-to-Decision
- Engineered Resilient Systems
- Electronic Warfare / Electronic Protection
- Human Systems

**Service Priorities & Strategy Documents**
- **Army**
  - FY 13 Army Warfighter Outcomes **NEW**
  - PEO Aviation Defense Technology and Affordability Requirements
  - Defense Technology Affordability Requirements (DTAR) Conference
- **DoD Laboratory Autonomy Research Pilot Initiative**
  - Air Force
    - 2012-2013 Air Force Space Strategy
    - USAF Energy Horizons
    - USAF Technology Horizons
    - USAF Force Structure Changes
    - USAF S&T Strategic Plan
    - Air Force S&T Strategy 2010
    - Air Force S&T Plan
  - **USMC**
    - Marine Corps Operational Energy
    - USMC Military Robotics Summit
    - 2012 Marine Corps Science & Technology Strategic Plan
    - Marine Corps Centers for Lessons Learned
    - USMC Expeditionary Warrior 2012 Report
    - USMC Science and Technology Campaign Plan 2012-2013
    - PEO Land Systems Marine Corps Advanced Technology Investment Plan 2012
  - **Joint Activities**
    - Addressing Challenges for Unmanned Aircraft Systems **NEW**
    - TRANSCOM 5 Year Strategy Plan
    - Combating Terrorism Technical Support Office (CTTSO)
    - Lighter than Air Vehicles
    - Information Operations
    - Joint Forcible Entry Operations
    - Active Denial Technology (ADT)
    - Capstone Concept for Joint Operations: Joint Force 2010
    - Countering Air and Missile Threats
    - Gaining and Maintaining Access: Marine Corps Combatant

### Doing Business with DoD

**All Resources by Organization**
- Army
- Navy
- Air Force
- USMC
- Other DoD Agencies/DoD Offices
- DoD Basic Research
- DoD Laboratories
- Federally Funded Research and Development Centers and University Affiliated Research Centers

**Rapid Innovation Fund**
- 2011 Contract Awards
- 2012 Solicitations

**Small Business Innovation Research (SBIR)**
- Small Business Resources

**Tech Transition**
- CTTSO Technology Transition
- Doing Business with CTTSO

**Acquisition Resources**
- Use of Fixed Price Incentive Firm Contracts
- How DoD Acquires Weapon Systems
- Myth-Busting (2011)
- Myth-Busting 2 (2012)
- Defense Acquisition University

**Industry Day Presentations**
- **Navy**
  - P-8A Increment 3 ABATD Solicitation (3/7/2013)
- **Army**
  - MDA’s Advanced Technology Innovation BAA **NEW**
  - DARPA VTOL X-Plane BAA (Closes 8/31/13)
  - Army Basic and Applied Research BAA

**Requests For Information/Proposals (RFIs/RFPs)**
- MDA’s Advanced Technology Innovation BAA **NEW**
  - DARPA VTOL X-Plane BAA (Closes 8/31/13)
  - Army Basic and Applied Research BAA

**DoD Research and Technology Funding Opportunities**
- Federal Business Opportunities
- DoD Research and Technology Opportunities
- Currently S&T Emphasis Area Solicitations

**Army**
- Army Networking the Soldier Information for Industry
- Army Technology Opportunities
- Army Engineer Research and Development Center
- Army Research Laboratory/Army Research Office

**Navy**
- Navy Technology Opportunities
- Naval Research Laboratory Contracting Division
- Office of Naval Research

**Air Force**
- Air Force Technology Opportunities
- Air Force Office of Scientific Research
- Air Force Research Laboratory
- Long Range Acquisition Estimate (LRAE)

**Other DoD Agencies**
- CTTSO BAA
- Defense Advanced Research Projects Agency
- Defense Threat Reduction Agency
- Missile Defense Agency
- Joint Non-Lethal Weapons Program
- Joint Program Executive Office for
Air Force Sight Picture
Federal Business Opportunities
**Goals:**

- **Make the Marketplace a robust information environment for Human Systems Government, Industry, and Academia interaction**

- **Leverage the Marketplace to provide needed R&D program insight on what industry can do to address important DoD needs at a Human Systems COI level**
  - Includes all investment types
  - From gov’t and industry we need, programs, budget and maturity.
Fall 2012: Human Systems COI will use the Marketplace to provide detailed information to industry on technical interest areas

- Industry will have opportunity to submit information on their R&D investments in Human Systems through the Marketplace. (Information will be protected and available only to select Government personnel)

- HS COI will use this information to determine opportunities to accelerate and strengthen technical development.

- HS COI will invite firms to participate in a Summer 2013 collaborative technology technical interchange.

**GOAL:** Improve the strategic placement of CRAD investments to accelerate and strengthen technology development and to support future acquisition programs through more efficient communication and planning

**DEVELOPMENTAL PLANNING**

If you have insight or capabilities in one of these areas, we ask that you submit your ideas.

- **System Interfaces**
  - Strategic Decisionmaking
  - Tactical Decision Support
  - Autonomous vehicle control
  - Cyber Operations & Trust
  - Adaptive Planning

- **Personnel & Training**
  - Adaptive, tailored instruction
  - Live, Virtual, Constructive simulation
  - Realistic immersive training
  - Train Partner State Forces

- **Social & Cultural Understanding**
  - Information sharing w/ partners
  - Cultural situation awareness
  - Cultural & language expertise
  - Social Network Analysis
  - Cultural impact of actions

- **Protection & Sustainment**
  - Extreme environment protection
  - Physical Performance Enhancement
  - Autonomous augmentation
  - Physical Aiding
  - Extended Combat Rations
Summary

• OSD’s Defense Innovation Marketplace -- excellent opportunities for Industry and Gov’t to connect
• Give the site a try and give us feedback!
  [link]

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