



# **Defense Innovation Marketplace**

**Mar 13**

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Human Effectiveness Directorate  
711th Human Performance Wing**



# 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



ACQUISITION,  
TECHNOLOGY  
AND LOGISTICS

### THE UNDER SECRETARY OF DEFENSE

3010 DEFENSE PENTAGON  
WASHINGTON, DC 20301-3010

NOV 13 2012

#### 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 wring every possible cent of value for the Warfighters we support from the dollars with which we are entrusted by the American taxpayers.

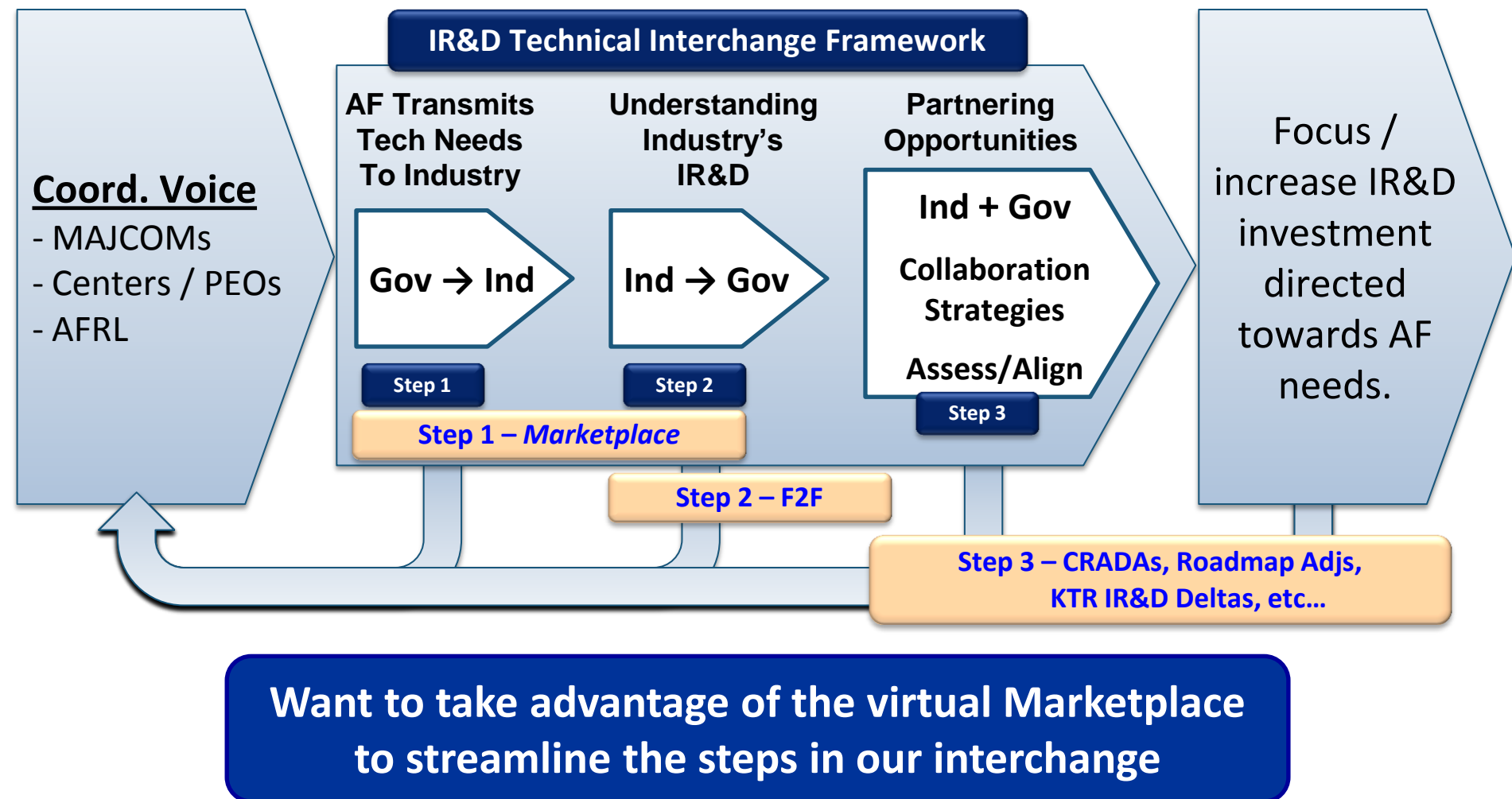
Frank Kendall

- **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





# Defense Innovation Marketplace



## 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

The screenshot shows the homepage of the Defense Innovation Marketplace. At the top, there's a header with the title "DEFENSE INNOVATION MARKETPLACE" and a row of logos for various defense agencies including DARPA, NSA, and others. Below the header is a navigation bar with links: HOME, RESOURCES, FAQs, NEWS & EVENTS, ABOUT, and CONTACT US. The main content area is titled "CONNECTING INDUSTRY & GOVERNMENT" and includes a brief description of the marketplace's purpose. It also features sections for "NEW IN THE MARKETPLACE" with links to S&T Strategic Documents, Doing Business with DoD, and News & Events. On the right side, there are "INNOVATION OPPORTUNITIES" for DoD Resources, Industry, and Government, and "SPECIAL INITIATIVES" for Human Systems and Space Systems. At the bottom, there's a footer with links for Privacy & Security, Acrobat, Recovery Act, FOIA, USA.gov, No Fear Act, Web Policy, and About DoD.

**GO TO: [www.DefenseInnovationMarketplace.mil](http://www.DefenseInnovationMarketplace.mil)**





# DoD Sight Picture



## 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

- ASD(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-Decisions
- 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

### Special Lab Initiatives

- DoD Laboratory Autonomy Research Pilot Initiative

### Service Priorities & Strategy Documents (continued)

#### 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: An Army-Marine Corps Concept

## 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 ABA TD Solicitation (3/7/2013)

### Requests For Information/Proposals (RFIs/RFPs)

- MDA's Advanced Technology Innovation BAA **\*\*NEW\*\*** (Open Until 3/1/2015)
- DARPA VTOL X-Plane BAA (Closes 8/31/13)
- Army Basic and Applied Research BAA (Closes 3/31/13)

### Special Initiatives

- Human Systems Interchange
- AFRL Space Interchange
- Interagency Systems Engineering Working Group

### DoD Research and Technology Funding Opportunities

- Federal Business Opportunities
- DoD Research and Technology Opportunities
- Current 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



[Home](#) > [Industry Resources](#) > [Air Force Resources](#)

## Air Force Resources

### S&T Overview

#### Testimony / Remarks

- [Air Force ISR Overview](#)  
(2012 AFA Conference remarks)
- [State of the Air Force](#)  
(2012 AFA Conference remarks)
- [Improving Military Capabilities for Cyber Operations](#)
- [Fiscal Year 2013 Air Force Science and Technology Testimony](#) (Status and Health of Air Force Labs)
- [Subcommittee on Emerging Threats and Capabilities Testimony](#)

#### S&T Priorities and Strategic Documents

- [2012-2013 Air Force Space Strategy](#)
- [USAF Energy Horizons](#)
- [USAF Technology Horizons](#)
- [USAF S&T Strategic Plan](#)
- [Annual Aviation Inventory and Funding Plan FY2013-2042](#)
- [USAF Force Structure Changes](#)
- [Air Force S&T Strategy 2010](#)
- [Air Force S&T Plan](#)

### Doing Business with the Air Force

- [AFRL Organizational Chart](#)
- [AFRL Employment](#)
- [AFRL and Historically Black Colleges and Universities](#)
- [AFRL Personnel Demonstration Project](#)
- [Det 1 AFRL/PK](#)  
(Contracting for Wright-Patt Tech. Directorates)
- [DoD Non-Lethal Weapons Program](#)
- [Headquarters Contracting and AFRL-wide Business Opportunities](#)

#### Special Features

- [Human Systems Technology Interchange](#)
- [Air Force\(AF\)/Industry Space IR&D Interchange](#)

#### Small Business Opportunities

- [Air Force Small Business Innovation Research & Small Business Technology Transfer \(SBIR & STTR\)](#)
- [AFRL Small Business](#)
- [SBIR Fact Sheet](#)
- [Technology Transfer](#)

#### RFIs/RFPs

- [5th to 4th GENERATION CONNECTIVITY](#)  
[Air Force LCMC RFI](#) **\*\* NEW \*\***  
(Respond by March 18, 2013)

### Air Force Lab

#### Air Force Research Laboratory: Technical Directorates

- [AFRL Space Interchange](#) **\*\* NEW \*\***
- [711th Human Performance Wing \(711 HPW\)](#)
- [Aerospace Systems \(RQ\)](#)
- [Air Force Office of Scientific Research \(AFOSR\)](#)
- [Directed Energy \(RD\)](#)
- [Information \(RI\)](#)
- [Materials and Manufacturing \(RX\)](#)
- [Munitions \(RW\)](#)
- [Sensors \(RY\)](#)
- [Space Vehicles \(RV\)](#)

#### Open Solicitations

- [Federal Business Opportunities](#)
- [Air Force Technology Opportunities](#)

## More Resources

- [Federal Business Opportunities](#)
- [All Industry Resources](#)
- [Army Resources](#)
- [Navy Resources](#)
- [USMC Resources](#)
- [DoD Basic Research Office](#)
- [Announced Army, Navy, & OSBP FY12 Rapid Innovation Fund BAAs](#)
- [2011 Rapid Innovation Fund Awards](#)
- [Other DoD Resources](#)
- [DoD Research and Technology Opportunities](#)



# SBIR/STTR Opportunities





## Air Force SBIR/STTR

Small Business Innovation Research & Small Business Technology Transfer

[HOME](#) [PROGRAM OVERVIEW](#) [PUBLICATIONS](#) [LINKS](#) [SBIR/STTR POINTS OF CONTACT](#) [CONTACT US](#)

GOVERNMENT

SMALL BUSINESS

PRIME CONTRACTOR

ACADEMIA

Small Business Introduction  
What is Air Force SBIR/STTR?  
Solicitation Schedule Info  
Topic Pre-Release  
Proposal Instructions & Status  
Phase I Training  
Topic/Award Data Search  
Advanced Technology Search  
Reporting Requirements  
Search & Submit Success Stories  
Small Business Search  
Prime Contractor Search  
Commercialization (CRP)

### SMALL BUSINESS HOME

?

SMALL BUSINESS INTRODUCTION

?

WHAT IS AIR FORCE SBIR/STTR?

?

SOLICITATION SCHEDULE INFO

?

TOPIC PRE-RELEASE

?

PROPOSAL INSTRUCTIONS & STATUS

?

PHASE I TRAINING

?

TOPIC/AWARD DATA SEARCH

?

ADVANCED TECHNOLOGY SEARCH

?

REPORTING REQUIREMENTS

?

SEARCH & SUBMIT SUCCESS STORIES

?

SMALL BUSINESS SEARCH

?

PRIME CONTRACTOR SEARCH

?

COMMERCIALIZATION (CRP)

TOPIC/AWARD DATA

SEARCH TOPICS

SEARCH AWARDS

SMALL BUSINESS

Firm:

Password:

LOGIN

SET / RESET PASSWORD

REGISTER

PUBLICATIONS

[SBIR/STTR Advantage](#)  
[Innovation Stories](#)  
[Transition Stories](#)

**Program Office**  
Air Force Research Laboratory (AFRL/PP)  
1864 4th Street  
Bldg 15 Rm 225  
Wright-Patterson AFB, OH 45433  
Toll Free: 1-800-222-0336  
Fax: (937) 255-2219

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# Federal Business Opportunities



## OPPORTUNITIES

Site Search:

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[Home](#)

### Opportunities

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[Browse SBIR Opps](#)  
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[Search SBIR Opps](#)  
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## BROWSE FED BIZ OPPTS

Federal Business Opportunities (FedBizOpps) is a listing of future Government contracts and opportunities. TechMatch allows you to sort current Research and Development opportunities by Title, Post Date, and Response Date by simply clicking on the associated header.

Viewing 1 to 50 of 738.

PREV **1** 2 3 4 5 6 7 8 9 10 11 NEXT

Items Per Page 50

	Title	Post Date	Response Date
<a href="#">View</a>	Special Program Announcement for 2013 Office of Naval Research: Computational Methods for Decision Making	3/11/2013	7/15/2013
<a href="#">View</a>	Novel Coatings for In-situ Piping Repairs on Navy ships	3/9/2013	6/15/2013
<a href="#">View</a>	Novel Coatings for In-situ Piping Repairs on Navy ship	3/9/2013	6/15/2013
<a href="#">View</a>	Novel Coatings for In-situ Piping Repairs on Navy ships	3/9/2013	6/15/2013
<a href="#">View</a>	Novel Coatings for In-situ Piping Repairs on Navy ships	3/9/2013	6/15/2013
<a href="#">View</a>	Novel Coatings for In-situ Piping Repairs on Navy ships	3/9/2013	6/15/2013
<a href="#">View</a>	Novel Coatings for In-situ Piping Repairs on Navy ships	3/9/2013	6/15/2013
<a href="#">View</a>	Novel Coatings for In-situ Piping Repairs on Navy ships	3/9/2013	6/15/2013
<a href="#">View</a>	Novel Coatings for In-situ Piping Repairs on Navy ships	3/9/2013	6/15/2013
<a href="#">View</a>	Novel Coatings for In-situ Piping Repairs on Navy ships	3/9/2013	6/15/2013
<a href="#">View</a>	Chemical/Biological Technologies Department Non-Traditional Agent Initiatives Broad Agency Announcement FY2014 - FY2017 Program Build	3/7/2013	
<a href="#">View</a>	Defense Exportability Features (DEF) Program for the MQ-4C Triton Unmanned Aircraft System (UAS)	3/5/2013	3/25/2013
<a href="#">View</a>	Survivable Subsystems	3/5/2013	4/12/2013
<a href="#">View</a>	FY14 Communications and Networking Discovery and Invention	3/5/2013	6/28/2013
<a href="#">View</a>	Antenna Coupler, CU-2421/ARC-211	3/5/2013	4/5/2013
<a href="#">View</a>	: Radio Receiver-Transmitter, RT-1598/ARC-211	3/5/2013	4/5/2013
<a href="#">View</a>	Radio Receiver-Transmitter, RT-1631/ASC-36	3/5/2013	4/5/2013
<a href="#">View</a>	Development of Therapeutics to Defeat Antibacterial Resistant Bacteria	3/4/2013	4/30/2013
<a href="#">View</a>	DARPA-BAA-13-12 Phoenix Operations	3/4/2013	4/19/2013
<a href="#">View</a>	Advanced Technology Innovation (ATI) Broad Agency Announcement (BAA)	3/1/2013	
<a href="#">View</a>	Next Generation Space Processor	3/1/2013	
<a href="#">View</a>	MFOQA Phase 2 Software Development	2/28/2013	3/28/2013
<a href="#">View</a>	Small Business outreach event for NAICS Subsector 541 on marketing to government.	2/28/2013	
<a href="#">View</a>	MFOQA Phase 2 Software Development	2/28/2013	3/28/2013
<a href="#">View</a>	National Defense Stockpile Supply Chain Basic Research	2/28/2013	2/27/2014
<a href="#">View</a>	Vertical Take-Off and Landing Experimental Aircraft (VTOL X-Plane)	2/26/2013	5/1/2013
<a href="#">View</a>	Technical, Programmatic, and Engineering Support Services for the ONR Ocean Battlespace Sensing Department (ONR 32MCM)	2/25/2013	4/12/2013
<a href="#">View</a>	Enhanced Capability Small Arms Protective Inserts (EC SAPI).	2/22/2013	
<a href="#">View</a>	Directed Energy Bioeffects Research (DEBR)	2/22/2013	4/12/2013
<a href="#">View</a>	?Hybrid Energy Storage Module (HESM)?	2/21/2013	6/14/2013
<a href="#">View</a>	Shared Spectrum Access for Radar and Communications (SSPARC)	2/21/2013	8/20/2013
<a href="#">View</a>	URPA-14-CUM-BIO-BAA-Chemical/Biological Technologies Department BAA Success/Validation FY2014 - FY2016 Program Build	2/14/2013	



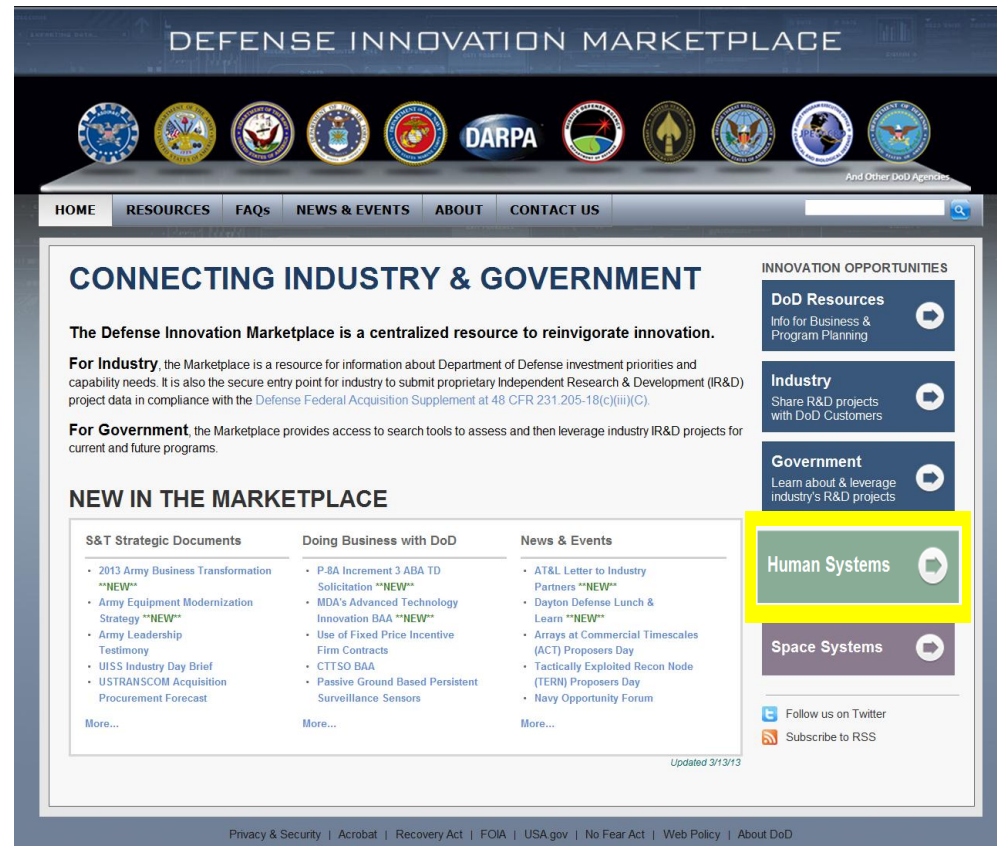
# Defense Innovation Marketplace

## Human Systems Pilot Program Home Page



### 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.





# HS COI Pilot Program Plan

## Leveraging the Marketplace



**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**

**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

ideas further.

Submit your Human Systems Project Information [Here](#)



**DEVELOPMENTAL PLANNING**



# Summary



- **OSD's Defense Innovation Marketplace -- excellent opportunities for Industry and Gov't to connect**
- **Give the site a try and give us feedback!**  
**[www.DefenseInnovationMarketplace.mil](http://www.DefenseInnovationMarketplace.mil)**