Rapid Innovation Fund (RIF)

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Rapid Innovation Program
(RIP) … or 'Fund'

- **Established by the Fiscal Year 2011 Defense Authorization Act (Section 1073)**
  - **A competitive, merit-based program**
  - **Accelerate fielding of innovative technologies into military systems**
    - **Pursuant to SBIR phase II projects**
    - **From lab-developed technologies**

Transition Small Business Technologies into Defense Acquisition Programs

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RIF Source Selection
Two-Step Competitive Process

- ***Step 1:***
  - Military Services and/or OSD Office of Small Business Programs (OSBP) issue solicitations (BAAs)
    - ✓ Open for 60 days
  - Industry Response: 3 - 5 page White Paper + Quad
  - Evaluations are “Go” or “No Go”

- ***Step 2:***
  - Highest rated “Go” offerors invited to submit full proposals
  - Successful proposals lead to award

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RIF: Key Requirements

- ***Proposals or Projects:***
  - Satisfy an operational or national security need
    - Accelerate or enhance military capability
  - Reduce:
    - Technical risk
    - Cost -- Development, acquisition, sustainment, or lifecycle
  - Improve timeliness & quality of test & evaluation outcome
  - Provide approach for use by an acquisition program
  - Are completed within 24 months of award
  - Cost is not more than $3 million

Selection Preference to Small Business Proposals

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RIF: FY 2011

- $439M appropriated
- Four (4) BAAs issued
- Over 3,500 white papers submitted & evaluated
- Over 200 final proposals invited
- 177 awards
  - 95% are small business
  - 80% are current or prior SBIR participants
  - Average project value: $2.2M

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FY 2011 – Award Examples
Capability / Operational Needs

- ***Force Protection:***
  - Micro-radar for unattended detection & tracking of dismounts (Army)
  - Real-time threat detection and forensics system (Navy)
  - Port security barrier intrusion detection system (Navy)
  - Ruggedized, stand-off explosives detection system (DTRA)
  - Secure smart-phone for special operations (SOCOM)
  - 3-D imaging radar to identify hazards in low visibility situations (SOCOM)

- ***Intelligence, Surveillance & Reconnaissance (ISR)***
  - Small, autonomous aerial platform for counter-IED (AF)
  - Modular radar system for UAS to detect & track targets (Navy)

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FY 2011 – Award Examples
Controlling Cost / Affordability

- ***Power & Energy:***
  - Lightweight Li-ion battery – 30% reduced weight (Army)
  - Battery charging 'on the move' for remote locations (AF)
  - Power management system for equipment in forward operations (Navy / USMC)
  - Thermal battery for interceptor missile system (MDA)

- ***Life Cycle Cost Reduction:***
  - Electrical diagnostics systems that enhances fault isolation for aircraft power generators (Navy)
  - Handheld instrument that measures aircraft low observable coating thickness (AF)

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FY 2011 – Award Examples
Controlling Cost / Affordability

- ***Advanced Manufacturing***
  - Lightweight titanium V-hull protected crew capsule for increased blast and ballistic threats (Army)
  - Improved surface treatment of hardened steel engine components to reduce friction and wear (Navy)
  - Micro-plasma oxidation coating to reduce wear and cracking of missile launcher rails – for F-15, F016, and F/A-18 (Air Force)
  - Scale-up of lithium chemical battery from prototype to production (Missile Defense Agency)

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RIF: FY 2012

- $200M appropriated
- Four (4) BAAs issued
- Over 2,200 white papers submitted and evaluated
- About 125 requests for final proposals
- Negotiation & awards
  - June to September 2013

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RIF: FY 2013 Plans

- About $225M expected to be available
- Four (4) BAAs will be issued
  - Timeframe: Mid-Late July 2013
  - 60 days for white paper response
  - Postings will be made on FEDBIZOPs, Defense Innovation Marketplace, & Service websites
    - ✓ Milestones for source selection
    - ✓ Links to BAAs
    - ✓ Points of Contact

http://defenseinnovationmarketplace.mil/RIF.html

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RIF Focal Points

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Summary:
Small Business & DoD

Doing Business with the Department of Defense

http://www.acq.osd.mil/osbp/sb/index.shtml

- **"How-To" work with Defense**
- **Guides on Marketing to Defense**
- **Programs for Small Business**
  - **SBIR / STTR**
  - **Mentor Protégé**
- **Contracting with Defense**
- **Small Business Training**
- **Conferences & Workshops**
- **Frequently Asked Questions**

Talk to an Small Business Program Expert

http://www.acq.osd.mil/osbp/sbir/contacts/sbir-contacts.shtml

- **14 Points of Contact Across the Department of Defense**

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