

Rapid Innovation Fund (RIF)

SMALL BUSINESS



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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***



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



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



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**

www.defenseinnovationmarketplace.mil/RIF.html



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)



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)



FY 2012



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

www.defenseinnovationmarketplace.mil/RIF2012.html



FY 2013 Plans



- **\$250M Appropriated**
- **Four (4) BAAs will be issued**
 - **Timeframe: Mid-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**

3. **Heading: Rapid Innovation Fund**
2. **Icon: Doing Business with DoD**
1. **Icon: Resources for Industry**

www.defenseinnovationmarketplace.mil



Focal Points



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