Missile Defense Agency
Small Business Programs Conference
Sensors Directorate Overview

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Mission: Develop, Test, Acquire, Deploy, and Sustain BMDS Sensors

Sensors Contribution to Operational BMDS
- Provide Track, Discrimination, and Intercept Assessment Data
- Global Sensor Coverage (20 time zones, 3 continents)
- Additional Sensors Planned
- Address Evolving Ballistic Missile Threats

Sensors Contribution to BMDS Testing
- Integrated & Distributed Ground Tests
- Flight Tests (Aegis, Terminal High Altitude Area Defense (THAAD), mid-course defense)
- Operationally Representative Models & Simulations (M&S) Validation & Accreditation

Supporting International Cooperation with THAAD Foreign Military Sales (FMS) Case
Sensors Top Management Focus Areas (CY 2016)

- Sustain Deployed AN/TPY-2 Radars, Upgraded Early Warning Radars (UEWR), and COBRA DANE
- Address Sensor Coverage Gaps
- Improve Sensor Discrimination
- Improve Sensor Reliability
- Maintain Sea Based X-Band Radar (SBX) in Test and Operations Support Status
- Complete Clear/Cape Cod Early Warning Radars Upgrade
- Support Robust BMDS Flight and Ground Testing
- Execute the AN/TPY-2 Portion of THAAD FMS cases
## Upcoming Opportunities

Four major Sensor’s contracts ending within the next two years:

<table>
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<tr>
<th>Contract</th>
<th>Description</th>
<th>Incumbent</th>
<th>Current PoP End</th>
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| SBX Mission Integration                       | ◆ SBX vessel integration and coordination of the following services provided by various sources:  
  - Research and development  
  - Engineering services/Analysis  
  - Test activities  
  - Information technology management  
  - Supply support  
  - Test and Operations support  
  - Programmatic  
| Radar Sustainment Contract (RSC)              | ◆ Program Management  
  ◆ Hardware & Software Development and Sustainment for AN/TPY-2 and SBX Radars  
  ◆ Engineering Services  
  ◆ Models and Simulations  
  ◆ BMDS Test Planning, Execution, and Analysis | Raytheon Integrated Defense Systems (IDS) | October 31, 2017            |
| Consolidated Contractor Logistics Support (C-CLS) | ◆ Operations and Sustainment activities for all AN/TPY-2 radars and SBX  
  ◆ Deployment and Site Support  
  ◆ Depot transition support | Raytheon Integrated Defense Systems (IDS) | October 31, 2017            |
| BMDS Integration and Test (BIT)               | Flight and ground test support to Upgraded Early Warning Radars (UEWRs) and COBRA DANE (CD) | deciBel                        | November 15, 2017      |
How Can Small Businesses Help?

- **Support Sensors Top Management Focus Areas**
  - Offer flexible technical expertise to support multiple Radars deployed worldwide
  - Offer affordable acquisition and sustainment costs through open, non-proprietary, modular software architecture
  - Leverage existing hardware/software reuse and economy of scale benefits

- **Develop partnerships with Current Prime Contractors and other mission area partners**

- **Follow-on Acquisition Strategies under development**
  - Responses from recent Requests for Information (RFIs) covering all four contracts on previous slide are being evaluated to develop acquisition strategies
  - AN/TPY-2 Production expected to remain sole source given limited buy

- **Communicate with the Government once strategies are approved**
  - Attend Industry Days when scheduled
  - Provide Draft Request for Proposal feedback
  - Monitor FedBizOpps (www.FBO.gov) for subcontracting opportunities