

Missile Defense Agency Small Business Programs Conference Sensors Directorate Overview



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Sensors Directorate

Mission, Contributions to The Ballistic Missile Defense System (BMDS)

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

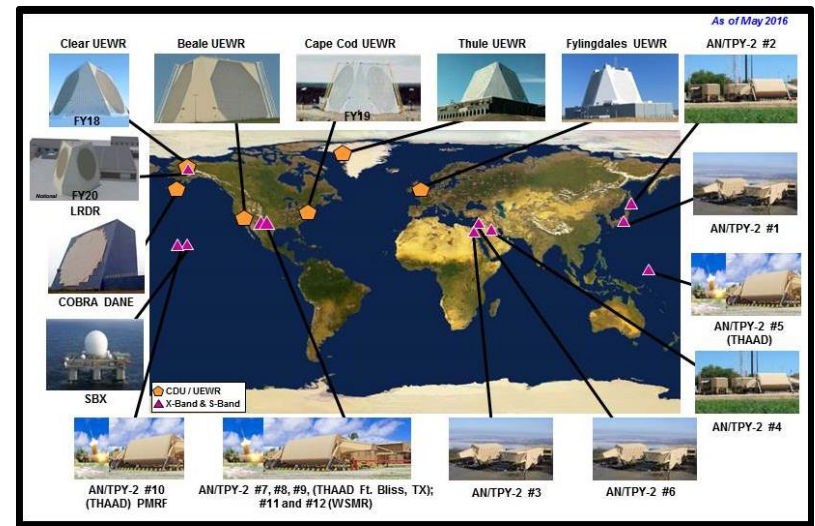
◆ Sensors Contribution to Operational BMDS

- 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

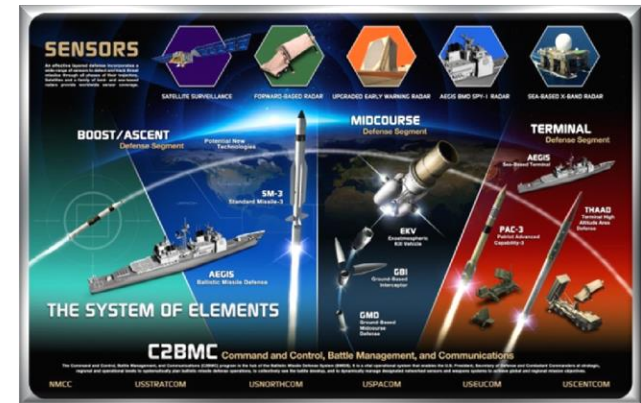
◆ Supporting International Cooperation with THAAD Foreign Military Sales (FMS) Case





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


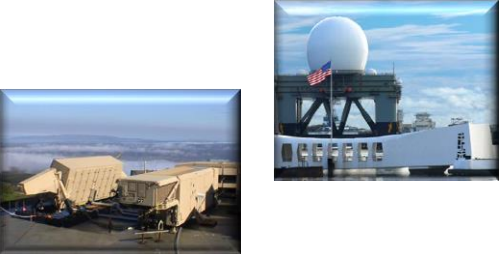






Upcoming Opportunities

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

Contract	Description	Incumbent	Current PoP End
<p>SBX Mission Integration</p> 	<ul style="list-style-type: none"> ◆ SBX vessel integration and coordination of the following services provided by various sources: <ul style="list-style-type: none"> • Research and development • Engineering services/Analysis • Test activities • Information technology management • Supply support • Test and Operations support • Programmatic • Quality/safety/mission assurance 	<p>Gryphon Technologies</p>	<p>December 22, 2016</p>
<p>Radar Sustainment Contract (RSC)</p> 	<ul style="list-style-type: none"> ◆ 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 	<p>Raytheon Integrated Defense Systems (IDS)</p>	<p>October 31, 2017</p>
<p>Consolidated Contractor Logistics Support (C-CLS)</p> 	<ul style="list-style-type: none"> ◆ Operations and Sustainment activities for all AN/TPY-2 radars and SBX ◆ Deployment and Site Support ◆ Depot transition support 	<p>Raytheon Integrated Defense Systems (IDS)</p>	<p>October 31, 2017</p>
<p>BMDs Integration and Test (BIT)</p> 	<p>Flight and ground test support to Upgraded Early Warning Radars (UEWRs) and COBRA DANE (CD)</p>	<p>deciBel</p>	<p>November 15, 2017</p>



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

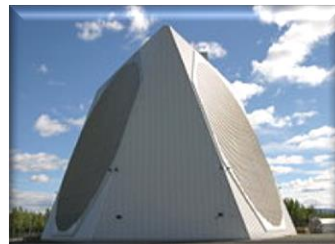
- Attend Industry Days when scheduled
- Provide Draft Request for Proposal feedback
- Monitor FedBizOpps (www.FBO.gov) for subcontracting opportunities



AN/TPY-2



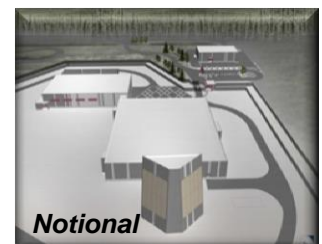
SBX



UEWR



COBRA DANE



LRDR