

2014 NDIA Missile Defense Small Business Programs Conference

INTEGRATED RESEARCH AND DEVELOPMENT FOR ENTERPRISE SOLUTIONS (IRES) Overview



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Disclaimer

- **Strategy courses of action are currently being coordinated with MDA leadership via the acquisition strategy panel and acquisition strategy board; the requirements and strategy details included in this briefing are not final and are subject to change**
- **The content of this briefing and remarks today of MDA personnel involved with the IRES acquisition should in no way be construed as a guarantee of the MDA's final acquisition strategy**
- **The final solicitation is the only document that should be relied upon**



Agenda

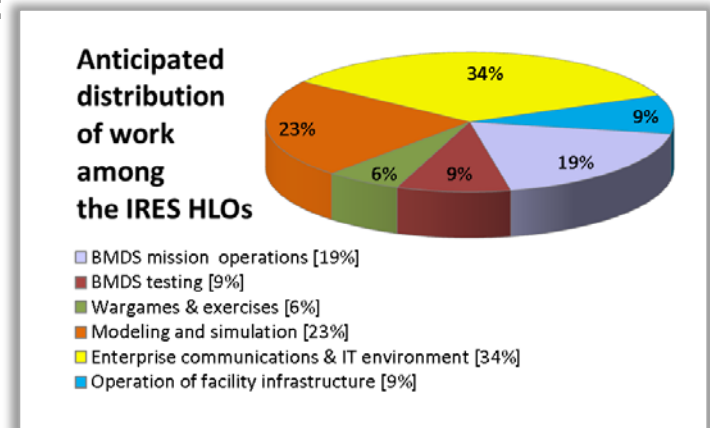
- **Acquisition Overview**
- **Request for Information #1 Results**
- **Acquisition Strategy Discussion Topics**
- **Acquisition Team Interest Items**
- **Questions**

Note: This slide deck will be added to the IRES link on the Federal Business Opportunities (FBO) website within the next few days



Acquisition Overview Summary

- Follow-on contract(s) to the Joint National Integration Center (JNIC) Research and Development Contract (JRDC); IRES is a placeholder for current JRDC requirements that need a home after the JRDC ends
- The IRES vision is to enable stakeholders to achieve BMD mission objectives by providing an efficient and flexible, multi-purpose, capabilities-based contract(s) to execute the following high level objectives (HLOs):
 - Ballistic Missile Defense System (BMDS) mission operations
 - BMDS testing
 - Wargames and exercises
 - Modeling and simulation
 - Enterprise communications and information technology environment
 - Operation of facility infrastructure
- The requirements overview is in attachment 2 of request for information (RFI) #1
- IRES is not a contract for advisory and assistance services (A&AS)
 - IRES may include A&AS-like services that are imbedded in the core non-A&AS requirements
 - IRES acquisition team is working with the MiDAESS program office to re-confirm no overlap of requirements, especially where the requirements have similar titles or high-level descriptions





Acquisition Overview

High Level Objectives and Capabilities

High Level Objectives (PSC/NAICS)	Capabilities
BMDS Mission Operations (AC22/541712): Successful execution of this IRES HLO results in maintaining an effective operational readiness posture, delivering warfighter mission support, and providing satellite operations	<ul style="list-style-type: none"> • Infrastructure Readiness Posture • Warfighter Mission Support • Satellite Operations
BMDS Testing (AC22/541712): Successful execution of this IRES HLO results in the essential integration between event participants and allocation, deconfliction, and protection of assets during system ground and flight tests	<ul style="list-style-type: none"> • Flight Test Support • Ground Test Execution • Performance Assessment Execution
Wargames and Exercises (AC22/541712): Successful execution of this IRES HLO results in a technical architecture that enables understanding of current and future BMDS capabilities, identification of system capabilities and limitations, development of concepts of operation, and refinement of tactics, techniques and procedures	<ul style="list-style-type: none"> • Wargame Execution • Exercise Execution
Modeling and Simulation (AC22/541712): Successful execution of this IRES HLO results in seamless integration of MDA digital/hardware in the loop representations and the development, maintenance, and sustainment of software products	<ul style="list-style-type: none"> • Models/Simulations – Development • Models/Simulations – Maintenance/Sustainment
Enterprise Communications and Information Technology Environment (D305/541511): Successful execution of this IRES HLO results in an enabling platform that ensures the coordination and secure cyber operation of multiple networks and technology enclaves servicing MDA research, development, test, and evaluation (RDT&E) and associated operational environments across the MDA	<ul style="list-style-type: none"> • Architect, Design, & Implement Secure Communications and IT Services • Manage, Operate, & Maintain IT Services • Manage & Maintain Secure IT Infrastructure • Customer Interface and Support Services
Operation of Facility Infrastructure (MIBG/561210): Successful execution of this IRES HLO results in a highly reliable, available, and maintainable Missile Defense Integration and Operations Center (MDIOC) infrastructure supporting critical security system level areas, operational BMDS assets, and RDT&E operations	<ul style="list-style-type: none"> • Operate & Maintain Common-Use Facility Infrastructure • MDIOC Host Services • MDIOC Facility Repair/Alteration

PSC: Product and Service Code; NAICS: North American Industry Classification System



Acquisition Overview

Operations and RDT&E Environments

- **MDA network services support to BMDS operations and BMDS RDT&E**
 - The MDIOC acts as the hub for much of the MDA network infrastructure, concurrently supporting BMDS operations, BMDS RDT&E, and MDA general services (GENSER) networks
 - MDA RDT&E networks and enterprise network services are all under the information assurance purview of the MDA designated accrediting authority (DAA)
 - Network services support BMDS RDT&E activities, including ground tests and flight tests, and enable the interfaces necessary to execute 24x7 BMDS operations
- **MDIOC facilities infrastructure support to BMDS operations and BMDS RDT&E**
 - Facility capabilities at the MDIOC support all other HLOs and include continual situational awareness of critical infrastructure and emergency response to mission critical facility system failures/faults
 - Availability of the facility infrastructure is integral to the BMDS test and operations requirements
 - Facility infrastructure operations require the ability to quickly adapt to numerous, simultaneous, and often competing project and event requirements

The MDIOC is a rapidly reconfigurable shared communications, computing, and mission platform leveraged for concurrent event execution and real-world 24x7 BMDS operations

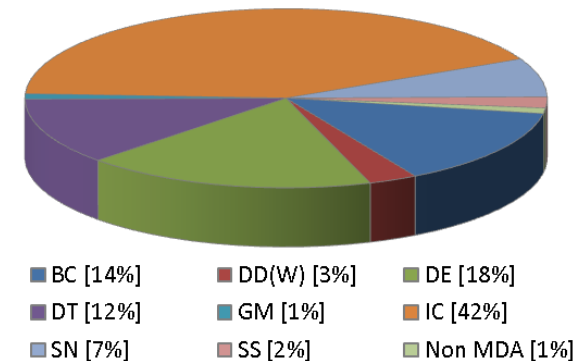


Acquisition Overview

Integration Challenges

- **Successful realization of a single HLO cannot be achieved without thorough system integration and interoperability with other HLOs**
- **The challenge is to simultaneously and efficiently execute multiple stakeholder requirements that span multiple high level objectives**
 - **BC: Program Director, Command & Control, Battle Management, and Communications (C2BMC)**
 - **DD(W): Warfighter Strategic Integration**
 - **DE: Director for Engineering**
 - **DT: Director for Test**
 - **GM: Program Director, Ground-Based Midcourse Defense (GMD)**
 - **IC: Chief Information Officer**
 - **SN: Program Director, Sensors**
 - **SS: Program Director, Space Systems**
- **Integration and de-confliction of critical assets, maintaining positive configuration control, and rapid reprioritization is essential in this dynamic environment**

Anticipated distribution of work among the primary stakeholders:



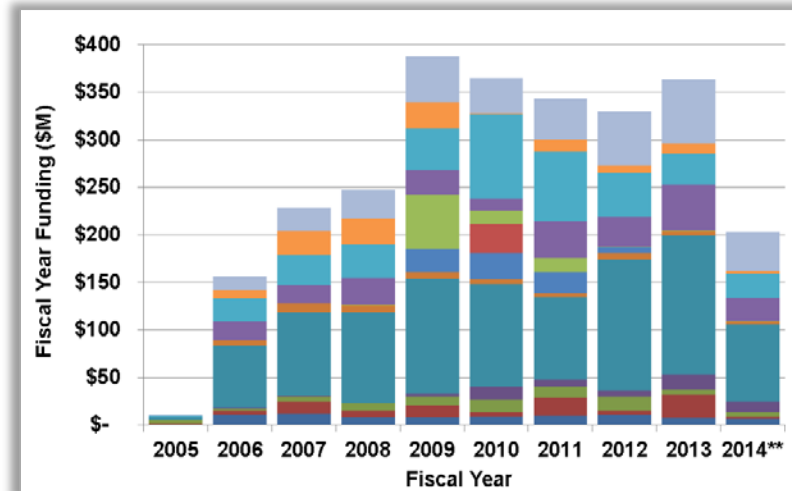
Maintain integrity of the operational environment and enable concurrent test, training and operations (CTTO)



Acquisition Overview

JRDC Details

- **Contract numbers H95001-05-D-0002 and H95001-10-D-0001; Northrop Grumman Systems Corporation is the prime contractor**
- **Ordering period is November 21, 2005 - November 21, 2015, with the potential to continue performance through January 23, 2017**
- **Single-award, indefinite delivery, indefinite quantity (IDIQ) contract**
 - **Provides end-to-end technical solutions for systems integration and test execution**
 - **Maximizes efficiencies by cross-utilization of contractor resources**
 - **Provides ability to quickly respond to emerging/changing missions**
 - **Does not require ongoing task order competitions**
- **Typically 20-35 active task orders at any one time; 283 task orders as of June 2014**
- **Predominantly cost-plus-award-fee**
- **Value as of June 2014 is \$2.79 billion**
- **Historical funding from \$150-\$375 million/year**
- **Preponderance of requirements are performed at the MDIOC and other government facilities; enterprise IT locations are worldwide**





Acquisition Overview

JRDC Task Orders Mapped to IRES HLOs

	Stakeholder	BMDS Mission Operations	BMDS Testing	Wargames & Exercises	Modeling & Simulation	Enterprise Comms & IT Environment	Operation of Facility Infrastructure
EC2BMC Discrimination Support	BC	92%			3%	5%	1%
BMDS-C2BMC	BC	72%				23%	5%
BMDS Network Ops & Security Center	BC	4%				36%	61%
MDST Operations	DD	78%			18%	5%	
Current Operations	DD	90%				10%	
Ballistic Missile Defense System Threat	DE				85%	15%	
M&S Operations & Support	DE		53%		1%	2%	44%
MDST Sustainment	DE			13%	42%	45%	
BMD International Sim Sustainment	DE				82%	18%	
Sim Knowledge, Analysis, & Processes	DE				71%	29%	
Wargames & Experiments	DT			100%			
COCOM Exercises	DT			86%		14%	
BMDS Flight & System Ground Test Ops	DT		100%				
BMDS Test Resources	DT		28%			38%	34%
GMD Operations & Training	GM		11%			15%	74%
Facility Support	IC						100%
MDIOC Facility Projects	IC					3%	97%
MDA IT Services & Logistics	IC					100%	
Engineering & Maintenance, JFCC IMD	Non MDA					75%	25%
Sensors M&S OSA Sensor Models	SN		22%		62%	16%	
MDSC Operations & Maintenance	SS	32%	12%			16%	39%

Most JRDC task orders span multiple HLOs

All task orders require support from and integration with multiple HLOs



Request for Information (RFI) #1 Results

(Slide 1 of 2)

- **Received responses from 73 entities as of June 1, 2014; 75% from small businesses**
- **Industry recommendations and concerns**
 - **Industry day and one-on-one meetings: Schedule after strategy details are available for release to and comment from industry**
 - **MiDAESS organizational conflicts of interest (OCI): Identify restrictions early**
 - **Weighting/evaluation of past performance: Do not favor the incumbent**
 - **Single or multiple award IDIQ: Avoid construct that consumes bid and proposal (B&P) for ongoing competitions**
 - **Period of performance: Need a term that allows for recuperation of B&P costs**
 - **Requirements/contract segmentation (i.e., alignment of requirements under one or more contracts): Generally biased in favor of a company's/team's specific capabilities**
 - **B&P capacity: Limit the number of request for proposals 'on the street' at one time**
- **Competition expected for all contracts regardless of the segmentation strategy**
- **Viability assessments completed on capability statements submitted on or before June 1, 2014**
 - **Assessments completed at the IRES capability, HLO, and entire IRES scope levels**
 - **Assessments accounted for teaming arrangements, if any, identified in the submission**
 - **Assessments were generous and favored a conclusion of "viable"**
 - **Assessments may need to be updated to confirm technical or business capabilities (financial, business systems, cybersecurity, supply chain risk management, limitation on subcontracting) specific to each contract within the approved segmentation strategy**



RFI #1 Results

(Slide 2 of 2)

- **Small business opportunities**
 - Potential set-aside opportunities, depending on segmentation strategy
 - RFI responses do not support a reasonable expectation of satisfying the “rule of two” for the entire IRES scope under a single contract (NAICS 541712, 1000 employees)
 - MDA encourages small businesses to consider prime contract opportunities, regardless of the segmentation strategy
 - Significant subcontract opportunities for all contracts, regardless of segmentation strategy
 - Small business incentives being considered (but not yet finalized) under any/all full and open competition(s); industry feedback welcome

Potential full and open competition small business incentives being considered:

1. **Small business utilization goal:** small business subcontract/utilization goal of up to 40% of total contract value for both large and small business primes
2. **Ordering period:** Small business award includes two additional one-year award terms not included in large business award
3. **Award term criteria (in lieu of ordering period incentive):** Two additional one-year award terms for both large and small business primes, but large business prime criteria tied to significantly exceeding small business subcontracting goals (e.g., 50%)
4. **Evaluation criteria:** Past performance and transition criteria do not unnecessarily favor the incumbent and will consider team qualifications
5. **Fee-on-fee:** Small business prime: MDA will recognize fee as a cost (if proposed) on all subcontracts; large business prime: MDA will recognize fee as a cost (if proposed) on only small business subcontracts
6. **Contractor Performance Assessment Rating (CPAR):** Evaluation only gives “excellent” rating for exceeding goals in all small business subcategories



Acquisition Strategy Discussion Topics

- **Status**

- Coordinating strategy courses of action with MDA leadership via acquisition strategy panel and acquisition strategy board
- Requirements/contract segmentation decision is pending; this decision is getting the senior leadership attention it deserves

- **Requirements/contract segmentation**

- COA assessment considerations/risks: Mission execution, integration, cost, small business opportunities, competition, AT&L/DoD approval
- Integrally-related requirements (e.g., critical asset or schedule dependencies)
- Ancillary requirements (e.g., MDIOC Host Services such as custodial, mail, classified destruction, copy center, cafeteria operations)

- **Organizational conflicts of interest (OCI)**

- MiDAESS: IRES acquisition team is working with the MiDAESS program office to develop a strategy consistent with MiDAESS' current and follow-on OCI mitigation approaches
- IRES Enterprise IT: IRES acquisition team will work with internal MDA organizations and industry to identify appropriate mitigation strategies for the potential unequal access to information type OCI that may be created as a result of IT system administration privileges

- **Schedule**

- Approximately five months behind initial schedule; request for proposal release and contract award dates are impacted, but revised dates are TBD
- Industry day and one-on-one opportunities are pending overarching strategy decisions



Acquisition Team Interest Items

- **Mitigation of the integration challenges**
- **Potential small business incentives**
- **Potential organizational conflict of interest mitigation strategies**
- **Implementation of recent Department of Defense Federal Acquisition Regulation Supplement (DFARS) revisions regarding cybersecurity, supply chain risk, and counterfeit parts**
- **Financial capability and maturity of business systems (accounting, estimating, earned value, property, etc.)**
- **Rumor control**

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IRES Acquisition

QUESTIONS?