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Exhibit R-2, RDT&E Budget Item Justification				Date: February 2007				
Appropriation/Budget Activity RDT&E Defense-Wide, BA 6				R-1 Item Nomenclature: PE 0303169D8Z – Information Technology Rapid Acquisition				
Cost (\$ in millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total PE Cost	5.353	5.061	5.197	5.264	4.746	5.199	5.280	5.362
Mission Description and Budget Item Justification:								
<p>The Department must rapidly transform its processes in order to better support the agile warfighter. This PE is dedicated to Rapid Acquisition Incentives – Net Centricity (RAI-NC) which serve DoD by providing RDT&E proof-of-concept early implementation of key initiatives targeted at advancing and moving the Mission Areas of DoD towards Net Centricity. For example, a coherent and timely transition across DoD Enterprise networks and infrastructure to the next generation of the Internet Protocol, IP version 6 (IPv6) is critical to leveraging the power of information by the business and warfighting mission areas through net-centric operations/warfare. The PE permits accelerating domain support processes thru rapid proof of concept development and early implementation.</p> <p>RAI-NC provides funding for Net Centric initiatives that directly support and facilitate the transformation of the DoD enterprise. This effort is consistent with the Department’s strategic goals to: enable net-centric operations and warfare, reduce costs; improve efficiency; increase effectiveness by improving the efficiency and effectiveness of process redesign; business systems modernization; strategic sourcing; infrastructure reductions; and optimal-sized inventories. The objective of RAI-NC is to accelerate DoD’s net centric transformation in support of the warfighter. Fully achieving net-centricity requires the ubiquity, mobility, security and performance achievable through implementation of the value added features of IPv6. The scope of Rapid Acquisition Incentives – Net Centricity encompasses defense policies, processes, people, technologies and systems that guide, perform or support aspects of warfighter support processes within the Department. Each RAI-NC initiative provides proof of concept sustainability, as well as the scalability necessary for Domain enterprise wide implementation that will allow end-to end accessibility to net-centric based decision-making information. Successful implementation will result in more reliable, accurate and timely net centric management information upon which managers can make more effective business decisions in a timely manner for the Department.</p> <p>RAI-NC enables the acceleration of DoD efforts to implement network centric operational environments while providing a secure, flexible, reliable, affordable, integrated network to achieve high effectiveness in joint and combined operations. This program employs RDT&E funds to plan, develop, prototype and oversee proof of concept initiatives. Successful initiatives with supporting business cases demonstrating the achieved goals and outcomes and mission area support will be allowed to enter full deployment. This program is funded under BA-6, Management Support because it includes studies and analyses in support of R&D efforts.</p>								

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FY 2006 Accomplishments: (\$5.353 million)

The RAI-NC process employed for FY 2006 placed increased emphasis on Net Centricity and Domain oversight, as well as incorporation of lessons learned and accomplished the following:

- Merged the visions and goals of DoD transformation and net centricity into rapidly deployed, common solutions that accelerated the transformation of DoD business Domains.
- Accelerated achieving the end-to-end net-centric operations/warfare through the timely, secure and coherent transition across DoD networks, applications and infrastructures to a common networking protocol, IPv6.
- Promoted Domain teaming and helped overcome existing barriers to executing the Department's transformation goals and obtaining a net-centric environment.
- Permitted more efficient DoD mission support by enabling quicker fielding of both net-centric information systems and weapons systems.
- Accelerated force transformation and enabled DoD processes to be more timely and efficient, to include eBusiness solutions.

FY 2007 Plans (\$5.061 million)

Conduct proofs of concept early implementation that advance the transformation of DoD processes, further net-centric operations and provide business case based enterprise solutions. RAI-NC efforts will focus on enabling a coherent and timely transition across DoD Enterprise networks and infrastructure to the next generation of the Internet Protocol, IP version 6 (IPv6), that will allow the business and warfighting mission areas to leverage the power of information through net-centric operations/warfare. It is expected that these FY 2007 efforts will deliver significant improvements to the Domains and serve as change agents across DoD, thereby accelerating both the timeliness and quality of decision-making and information flow. RAI-NC initiatives that accelerate DoD's net-centric transformation in direct support of the warfighter will include:

- Identifying and promoting commodity-based software programmable radio technologies to rapidly respond to warfighter requirements and reducing costs.
- Providing for rapid prototyping, test and demonstration of commodity-based software programmable radio solutions utilizing evolving technologies for near and long term solutions.

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- Focusing on incorporating solutions from outside programs of records:
 - Modular software programmable radio approach enables incorporation of new offerings such as high band transceiver modules into open architecture designs
 - Encourage and provide a mechanism for test of commercial module upgrade offerings or alternative techniques to enhance capability and reduce cost
 - Foster P3I technology improvements into spirals of programs of records
 - Rapid development and demonstration of specific capabilities
 - Utilize COTS, IRAD, NDI, and CRADA Products
 - Take advantage of exercises and demonstrations to test products
 - Industry, Academia, and Government Lab participation
- Providing migration path to warfighter systems.

FY 2008 Plans (\$5.197 million)

While the base IPv6 standards are robust and provide rough parity with IPv4 capabilities, many of the advanced features of IPv6 needed to fully enable net-centricity are still being developed. A DoD-wide development, engineering, testing and evaluation effort provides an opportunity to drive DoD needs into those features and accelerate the availability of products with those needed features (e.g., quality of service, mobility, IP convergence). It is expected that these FY 2008 efforts will deliver significant improvements to the Domains and serve as change agents across DoD, thereby accelerating both the timeliness and quality of decision-making and information flow. RAI-NC initiatives that accelerate DoD's net-centric transformation in direct support of the warfighter will continue to include:

- Identifying and promoting commodity-based software programmable radio technologies to rapidly respond to warfighter requirements and reducing costs.
- Providing for rapid prototyping, test and demonstration of commodity-based software programmable radio solutions utilizing evolving technologies for near and long term solutions.
- Focusing on incorporating solutions from outside programs of records:
 - Modular software programmable radio approach enables incorporation of new offerings such as high band transceiver modules into open architecture designs
 - Encourage and provide a mechanism for test of commercial module upgrade offerings or alternative techniques to enhance capability and reduce cost
 - Foster P3I technology improvements into spirals of programs of records
 - Rapid development and demonstration of specific capabilities

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- Utilize COTS, IRAD, NDI, and CRADA Products
- Take advantage of exercises and demonstrations to test products
- Industry, Academia, and Government Lab participation
- Providing migration path to warfighter systems.

FY 2009 Plans (\$5.264 million)

RAI-NC initiatives that accelerate DoD's net-centric transformation in direct support of the warfighter will continue to include:

- Continue to promoting commodity-based software programmable radio technologies to rapidly respond to warfighter requirements and reducing costs.
- Continue to providing for rapid prototyping, test and demonstration of commodity-based software programmable radio solutions utilizing evolving technologies for near and long term solutions.
- Continue to focusing on incorporating solutions from outside programs of records:
 - Modular software programmable radio approach enables incorporation of new offerings such as high band transceiver modules into open architecture designs
 - Encourage and provide a mechanism for test of commercial module upgrade offerings or alternative techniques to enhance capability and reduce cost
 - Foster P3I technology improvements into spirals of programs of records
 - Rapid development and demonstration of specific capabilities
 - Utilize COTS, IRAD, NDI, and CRADA Products
 - Take advantage of exercises and demonstrations to test products
 - Industry, Academia, and Government Lab participation
- Continue to provide migration path to warfighter systems.
- Continue to support DoD transition to IPv6 and convergence of voice, video and data on IP based DoD networks by coordinated and integrated planning, policy/guidance and oversight

B. Program Change Summary: (Show total funding, schedule, and technical changes for the program element that have occurred since the previous President's Budget Submission)

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	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY2009</u>
Previous POM/BES	5.491	5.090	5.197	5.264
Current Presidents Budget	5.353	5.061	5.197	5.264
Total Adjustments	-.138	-.029		
Congressional program reductions				
Congressional rescissions, Inflation adjustments	-.138	-.029		
Congressional increases				
SBIR/STTR Transfer				
Reprogrammings				
Change Summary Explanation:				
FY 2006: SBIR -.123 million, STTR -.015 million.				
FY 2007: FFRDC -.010 million, Economic Assumptions -.019 million.				
FY 2008: No change.				
FY 2009: No change.				
C. Other Program Funding Summary: N/A				
D. Acquisition Strategy: N/A				
E. Performance Metrics:				
<ol style="list-style-type: none"> 1. Effectively merge the visions and goals of DoD transformation and net centrality into rapidly deployed, common solutions that will accelerate the transformation of DoD business Domains. 2. Promote Domain teaming and help overcome existing barriers to executing the Department's transformation goals and obtaining a net centric environment. 3. Permit more efficient DoD mission support by enabling quicker fielding of both net centric information systems and weapons systems 4. Accelerate force transformation and enables business processes to be more timely and efficient (reduce cost of support), to include eBusiness solutions 5. Permit DoD to accelerate the rate of lowering the cost of doing business 				
Reduce information systems risks and costs, by speeding up proof of concept demonstrations and providing business case based implementation decisions.				

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