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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Office of Secretary Of Defense **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>				PE 0303191D8Z: <i>Joint Electromagnetic Technology (JET) Program</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	6.290	4.027	3.358	-	3.358	3.342	3.412	3.449	3.476	Continuing	Continuing
192: <i>Joint Electromagnetic Technology (JET) Program</i>	6.290	4.027	3.358	-	3.358	3.342	3.412	3.449	3.476	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

The JET Program supports the Defense Community in general with a particular emphasis on the communication requirements of Special Forces and Intelligence. Details of the program are classified. This program is funded under Budget Activity 4, Demonstration and Validation.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	6.298	4.027	4.103	-	4.103
Current President's Budget	6.290	4.027	3.358	-	3.358
Total Adjustments	-0.008	-	-0.745	-	-0.745
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustment	-0.008	-	-	-	-
• Studies Contracts Efficiency	-	-	-0.325	-	-0.325
• DoD Service Support Contracts Efficiency	-	-	-0.213	-	-0.213
• Economic Assumptions	-	-	-0.004	-	-0.004
• NII Contractor Efficiency	-	-	-0.203	-	-0.203

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 192: *Joint Electromagnetic Technology (JET) Program*

Congressional Add: *Secure Minitaturized, Free Space, Optical Communications*

Congressional Add: *Lifetime Power for Wireless Control Sensors*

Congressional Add Subtotals for Project: 192

	FY 2010	FY 2011
	1.600	-
	0.800	-
	2.400	-

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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0303191D8Z: <i>Joint Electromagnetic Technology (JET) Program</i>
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Congressional Add Details (\$ in Millions, and Includes General Reductions)	FY 2010	FY 2011
Congressional Add Totals for all Projects	2.400	-

Change Summary Explanation

FY 2010: Program adjustment -0.008 million.

FY 2011: No change.

FY 2012: OSD Studies Contracts efficiency -0.325 million, DoD Service Support Contracts efficiency -0.213 million, Economic Assumptions -0.004 million, NII Contractor efficiency -0.203 million.

Studies contract Efficiencies will be realized by reducing the number of studies that we participate in while still supporting enterprise-wide information technology goals critical to DoD Mission.

Service Support Contract efficiencies will be realized by reducing the reliance on DoD Service Support Contractors by utilizing in-house government support in a constrained personnel and resource environment.

NII reduction to contractor staff efficiencies will be realized by continuing to provide policy, guidance, program oversight, and resource management for command and control (C2), communications, spectrum, information assurance, and Information Technology programs with significantly less contractor support.

Economic Assumptions will be realized by reducing our reliance on contractors while still achieving OASD(NII)/DoD CIO goals and objectives while in a constrained personnel and resource environment.

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2010	FY 2011	FY 2012
Title: JET Program Initiatives	3.890	4.027	3.358
FY 2010 Accomplishments: Program Planning and Support			
FY 2011 Plans: Program Planning and Support			
FY 2012 Plans: Program Planning and Support			
Accomplishments/Planned Programs Subtotals	3.890	4.027	3.358

	FY 2010	FY 2011
Congressional Add: Secure Minitaturized, Free Space, Optical Communications	1.600	-
FY 2010 Accomplishments: Program Planning and Support		
Congressional Add: Lifetime Power for Wireless Control Sensors	0.800	-

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	FY 2010	FY 2011
FY 2010 Accomplishments: Program and Planning Support		
Congressional Adds Subtotals	2.400	-

D. Other Program Funding Summary (\$ in Millions)

N/A

E. Acquisition Strategy

N/A

F. Performance Metrics

- Numbers of operational field demonstrations.
- Numbers of false-positive results.
- Successful technology transfer to service component.
- Number of service requirements satisfied.