

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Office of Secretary Of Defense **DATE:** February 2010

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 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	4.653	6.298	4.027	0.000	4.027	4.103	4.210	4.268	4.321	Continuing	Continuing
192: <i>Joint Electromagnetic Technology (JET) Program</i>	4.653	6.298	4.027	0.000	4.027	4.103	4.210	4.268	4.321	Continuing	Continuing

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)

	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total</u>
Previous President's Budget	5.494	3.949	0.000	0.000	0.000
Current President's Budget	4.653	6.298	4.027	0.000	4.027
Total Adjustments	-0.841	2.349	4.027	0.000	4.027
• Congressional General Reductions		0.000			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		2.400			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Program Adjustment	-0.841	-0.051	4.027	0.000	4.027

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*

	FY 2009	FY 2010
	2.000	1.600
	0.000	0.800
	2.000	2.400

UNCLASSIFIED

R-1 Line Item #112

Page 1 of 3

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Office of Secretary Of Defense **DATE:** February 2010

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>
---	--

Congressional Add Details (\$ in Millions, and Includes General Reductions)	FY 2009	FY 2010
Congressional Add Subtotals for Project: 192		
Congressional Add Totals for all Projects	2.000	2.400

Change Summary Explanation

FY 2009: Program adjustment -0.841 million.

FY 2010: Congressional Adds 2.400 million, FFRDC Reductions -0.025, Economic Assumptions -0.026 million.

FY 2011: Program Adjustment 4.027 million.

C. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
JET Program Initiatives	2.653	3.898	4.027	0.000	4.027
<i>FY 2009 Accomplishments:</i> Program Planning and Support					
<i>FY 2010 Plans:</i> Program Planning and Support					
<i>FY 2011 Base Plans:</i> Program Planning and Support					
<i>FY 2011 OCO Plans:</i> N/A					
Accomplishments/Planned Programs Subtotals	2.653	3.898	4.027	0.000	4.027
	FY 2009	FY 2010			
	2.000	1.600			

UNCLASSIFIED

R-1 Line Item #112

Page 2 of 3

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Office of Secretary Of Defense **DATE:** February 2010

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>
---	--

C. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010
Congressional Add: Secure Minitaturized, Free Space, Optical Communications <i>FY 2009 Accomplishments:</i> Program planning and support <i>FY 2010 Plans:</i> Program Planning and Support		
Congressional Add: Lifetime Power for Wireless Control Sensors <i>FY 2009 Accomplishments:</i> n/a <i>FY 2010 Plans:</i> Program and Planning Support	0.000	0.800
Congressional Adds Subtotals	2.000	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.

UNCLASSIFIED