

# UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Navy									DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 6: RDT&E Management Support				R-1 ITEM NOMENCLATURE PE 0605867N: Space & Elec War Surv/Recon							
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	25.221	20.747	19.700	0.000	19.700	20.001	20.405	19.924	19.416	Continuing	Continuing
1034: TAC SAT Recon Office	25.221	20.747	19.700	0.000	19.700	20.001	20.405	19.924	19.416	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

The Link Crimson program was congressionally chartered in 1977 (updated in 1980) to oversee the tactical use of reconnaissance satellites. The program rapidly develops (1-2 years) prototype systems, sensors, and software that exploit space systems to support tactical Fleet problems. Additionally, Link Crimson focuses on elements of National ISR systems and National-Tactical Integration operations to rapidly fill tactical capability gaps via improved, fused, all-source products at multiple security levels. Link Crimson also supports and participates in fleet exercises, which provide the venue for testing and demonstrating new prototype capabilities and enhancements to existing programs into which R&D efforts transition.

This program supports the operations and installations required for general research and development use. Program baseline funds will address research and development into potential unmanned vehicles, irregular warfare, anti-piracy, strike, information operations, Battlespace and Maritime Domain Awareness (Anti-Submarine Warfare & Anti-Surface Warfare), fusion, visualization, ballistic missile defense (BMD) threats and cross-domain and cyber solutions. Additional information is held at a higher classification.

<b>B. Program Change Summary (\$ in Millions)</b>					
	<b><u>FY 2009</u></b>	<b><u>FY 2010</u></b>	<b><u>FY 2011 Base</u></b>	<b><u>FY 2011 OCO</u></b>	<b><u>FY 2011 Total</u></b>
Previous President's Budget	25.270	20.921	0.000	0.000	0.000
Current President's Budget	25.221	20.747	19.700	0.000	19.700
Total Adjustments	-0.049	-0.174	19.700	0.000	19.700
• Congressional General Reductions		-0.087			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	-0.087			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	-0.049	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Program Adjustments	0.000	0.000	19.700	0.000	19.700

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<p><b><u>Change Summary Explanation</u></b></p> <p>Technical: Not applicable.</p> <p>Schedule: Not applicable.</p> <p>FY11 from previous President's Budget is shown as zero because no FY11-15 data was presented in President's Budget 2010.</p>		

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2011 Navy								<b>DATE:</b> February 2010			
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<b>COST (\$ in Millions)</b>	<b>FY 2009 Actual</b>	<b>FY 2010 Estimate</b>	<b>FY 2011 Base Estimate</b>	<b>FY 2011 OCO Estimate</b>	<b>FY 2011 Total Estimate</b>	<b>FY 2012 Estimate</b>	<b>FY 2013 Estimate</b>	<b>FY 2014 Estimate</b>	<b>FY 2015 Estimate</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
1034: <i>TAC SAT Recon Office</i>	25.221	20.747	19.700	0.000	19.700	20.001	20.405	19.924	19.416	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
<b>A. Mission Description and Budget Item Justification</b>											
<p>The Link Crimson program was congressionally chartered in 1977 (updated in 1980) to oversee the tactical use of reconnaissance satellites. The program rapidly develops (1-2 years) prototype systems, sensors, and software that exploit space systems to support tactical Fleet problems. Additionally, Link Crimson focuses on elements of National ISR systems and National-Tactical Integration operations to rapidly fill tactical capability gaps via improved, fused, all source products at multiple security levels. Link Crimson also supports and participates in fleet exercises, which provide the venue for testing and demonstrating new prototype capabilities and enhancements to existing programs into which research and development efforts transition.</p> <p>This program supports the operations and installations required for general research and development use. Program baseline funds will also address research and development into potential unmanned vehicles, irregular warfare, anti-piracy, strike, information operations, Battlespace and Maritime Domain Awareness (Anti-Submarine Warfare &amp; Anti-Surface Warfare), fusion, visualization, ballistic missile defense (BMD) threats and cross-domain and cyber solutions. Additional information is held at a higher classification.</p> <p>The program exploits all National and Service sensor systems to improve tactical support to fleet operational commanders. Project also supports equipment upgrades, training and Fleet exercises, which provide the venue for testing modifications to existing programs.</p>											
<b>B. Accomplishments/Planned Program (\$ in Millions)</b>											
						<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>	
TAC SAT Recon Office						25.221	20.747	19.700	0.000	19.700	
<i>FY 2009 Accomplishments:</i> Joint Exercise/Training Precision Strike/Mission Planning Anti-Submarine Warfare											

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<b>B. Accomplishments/Planned Program (\$ in Millions)</b>					
	<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>
Improved Info. Management (Dissemination/Exploitation/Fusion/Visualization) Battlespace and Maritime Domain Awareness Support to Mine/Littoral/Expeditionary/Irregular Warfare/Anti-Piracy Information Operations/GWOT and Cyber Ballistic Missile Defense (BMD)  <i>FY 2010 Plans:</i> Joint Exercise/Training Precision Strike/Mission Planning Anti-Submarine Warfare Improved Info. Management (Dissemination/Exploitation/Fusion/Visualization) Battlespace and Maritime Domain Awareness Support to Mine/Littoral/Expeditionary/Irregular Warfare/Anti-Piracy Information Operations/GWOT and Cyber Ballistic Missile Defense (BMD)  <i>FY 2011 Base Plans:</i> Joint Exercise/Training Precision Strike/Mission Planning Anti-Submarine Warfare Improved Info. Management (Dissemination/Exploitation/Fusion/Visualization) Battlespace and Maritime Domain Awareness Support to Mine/Littoral/Expeditionary/Irregular Warfare/Anti-Piracy Information Operations/GWOT and Cyber Ballistic Missile Defense (BMD)					
Accomplishments/Planned Programs Subtotals	25.221	20.747	19.700	0.000	19.700

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**C. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u> <u>Base</u>	<u>FY 2011</u> <u>OCO</u>	<u>FY 2011</u> <u>Total</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• O&M,N/1C3C: <i>Space Systems &amp; Surveillance</i>	0.230	0.231	0.229	0.000	0.229	0.233	0.237	0.240	0.247	Continuing	Continuing

  

**D. Acquisition Strategy**  
An acquisition strategy is not required.

  

**E. Performance Metrics**  
Performance will be evaluated quarterly.

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