

**UNCLASSIFIED**

Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force										Date: May 2017		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					PE 0301401F I Air Force Space and Cyber Non-Traditional ISR for Battlespace Awareness							
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	-	0.000	0.000	3.721	0.000	3.721	6.683	3.602	2.930	3.208	Continuing	Continuing
67A051: Space Superiority - Advanced Intelligence Systems	-	0.000	0.000	3.721	0.000	3.721	6.683	3.602	2.930	3.208	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
This program, BA 07 PE 0301401F, project 67A051, Cross Domain Tactical OPIR Processing, is a new start.												
Air Force Space and Cyber Non-Traditional Intelligence, Surveillance & Reconnaissance (ISR) for Battlespace Awareness PE 0301401F – P-40A Cross Domain Overhead Persistent Infrared (OPIR): Cross Domain Tactical OPIR Processing delivers a mechanism providing reach-back support for battlespace awareness functions and manages the timely transfer of newly developed tools to operational users.												
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.												
B. Program Change Summary (\$ in Millions)				FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total				
Previous President's Budget				0.000	0.000	0.000	0.000	0.000				
Current President's Budget				0.000	0.000	3.721	0.000	3.721				
Total Adjustments				0.000	0.000	3.721	0.000	3.721				
• Congressional General Reductions				0.000	0.000							
• Congressional Directed Reductions				0.000	0.000							
• Congressional Rescissions				0.000	0.000							
• Congressional Adds				0.000	0.000							
• Congressional Directed Transfers				0.000	0.000							
• Reprogrammings				0.000	0.000							
• SBIR/STTR Transfer				0.000	0.000							
• Other Adjustments				0.000	0.000	3.721	0.000	3.721				
C. Accomplishments/Planned Programs (\$ in Millions)									FY 2016	FY 2017	FY 2018	
Title: Cross Domain OPIR									-	-	2.400	
Description: Cross Domain OPIR delivers a mechanism providing reach-back support for battlespace awareness functions and manages the timely transfer of newly developed tools to operational users; specifically by developing tools & tradecraft on a												

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<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 7: Operational Systems Development</i>					<b>R-1 Program Element (Number/Name)</b> PE 0301401F <i>I Air Force Space and Cyber Non-Traditional ISR for Battlespace Awareness</i>						

  

<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>
flexible architecture allowing easy integration of new capabilities into air component operations and by providing advanced “state of art” algorithms and tools for the warfighter			
<b>FY 2018 Plans:</b> Cross Domain OPIR delivers a mechanism providing reach-back support for battlespace awareness functions and manages the timely transfer of newly developed tools to operational users; specifically by developing tools & tradecraft on a flexible architecture allowing easy integration of new capabilities into air component operations and by providing advanced “state of art” algorithms and tools for the warfighter.			
<b>Title:</b> TAC OPIR Processing  <b>Description:</b> Tactical OPIR processing is comprised of software development, controlled multi-level security interface, dissemination and core maintenance support providing data access and processing services to a robust and flexible architecture network to operational users.  <b>FY 2018 Plans:</b> Tactical OPIR processing is comprised of software development, controlled multi-level security interface, dissemination and core maintenance support providing data access and processing services to a robust and flexible architecture network to operational users.	-	-	1.321
<b>Accomplishments/Planned Programs Subtotals</b>	-	-	3.721

  

<b>D. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u> <u>Base</u>	<u>FY 2018</u> <u>OCO</u>	<u>FY 2018</u> <u>Total</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• N/A: N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-
<b>Remarks</b>											
<b>E. Acquisition Strategy</b> N/A											
<b>F. Performance Metrics</b> Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.											