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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0604422F: Weather Satellite Follow-On							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	-	123.681	2.000	-	2.000	-	-	-	-	Continuing	Continuing
644289: Weather Satellite Follow-On	-	123.681	2.000	-	2.000	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

Note

Weather Satellite Follow-on (WSF) activities were funded in this PE (0604422F) starting in FY 2012.

A. Mission Description and Budget Item Justification

The Defense Weather Satellite System (DWSS) program in RDT&E, AF PE 0305178F was terminated per Congressional direction in FY 2012. DoD will utilize the remaining Defense Meteorological Satellite Program (DMSP) satellites to satisfy DoD overhead weather requirements until a follow-on capability can be acquired.

Weather Satellite Follow-on (WSF) activities support requirements analysis, analysis of alternatives (AoA), and acquisition of capabilities which will satisfy DoD overhead terrestrial and space weather requirements during, and after, fly-out of DMSP.

WSF activities provide a foundation to transition from the current DMSP program to a future capability which will satisfy DoD overhead weather requirements. The range of WSF activities include requirements development and trades, analysis and possible implementation of alternative sources of weather data, architecture and systems engineering analysis, and technical risk reduction for viable sensor and spacecraft technologies. Use of affordable, mature technology will be emphasized for the WSF activities.

BA-4 - This program is in Budget Activity 4, Advanced Component Development and Prototypes (ACD&P) because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.

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3600: Research, Development, Test & Evaluation, Air Force		PE 0604422F: Weather Satellite Follow-On				
BA 4: Advanced Component Development & Prototypes (ACD&P)						
B. Program Change Summary (\$ in Millions)		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget		-	-	-	-	-
Current President's Budget		-	123.681	2.000	-	2.000
Total Adjustments		-	123.681	2.000	-	2.000
• Congressional General Reductions		-	-1.319			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	125.000			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-	-			
• Other Adjustments		-	-	2.000	-	2.000
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 644289: Weather Satellite Follow-On						
Congressional Add: Weather Satellite Follow-on (WSF)						
Congressional Add Subtotals for Project: 644289						
Congressional Add Totals for all Projects						
Change Summary Explanation						
The Weather Satellite Follow-on (WSF) Program Element (PE 0604422F) was created in response to the FY 2012 congressional add of \$125M.						
FY12: \$125M congressional add						
-\$1.319M congressional general reduction						
FY13: Continue activities started in FY12 (+\$2.0M)						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2011	FY 2012	FY 2013
Title: WSF				-	-	2.000
Description: Weather Satellite Follow-on (WSF) activities support requirements analysis, analysis of alternatives (AoA), and acquisition of capabilities which will satisfy DoD overhead terrestrial and space weather requirements during, and after, fly-out of the Defense Meteorological Satellite Program (DMSP).						
FY 2013 Plans:						

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C. Accomplishments/Planned Programs (\$ in Millions)							FY 2011	FY 2012	FY 2013		
Continue FY 2012 activities and finalize the AoA. The AoA results will inform subsequent DoD programming decisions for the weather satellite follow-on.											
Accomplishments/Planned Programs Subtotals							-	-	2.000		
							FY 2011	FY 2012			
Congressional Add: Weather Satellite Follow-on (WSF)							-	123.681			
FY 2012 Plans: Conduct Analysis of Alternatives (AoA) and pre-acquisition activities for a follow-on to the Defense Meteorological Satellite Program (DMSP) Block 5; develop analytical tools and evaluate ground, space, and user architectures; conduct system trades and analysis and requirements development; perform risk reduction activities for optical, infra-red, space weather, microwave sensors and spacecraft; investigate and implement alternatives for exploitation of non-traditional weather data sources; provide experimental satellite data to DoD users to mitigate the risk of weather forecasting gaps due to termination of the Defense Weather Satellite System (DWSS).											
Congressional Adds Subtotals							-	123.681			
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• N/A: N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
E. Acquisition Strategy											
The acquisition strategy for the Weather Satellite Follow-On (WSF) will be informed by an Analysis of Alternatives with an anticipated completion in 2Q FY 2013.											
F. Performance Metrics											
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.											

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Air Force			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0604422F: <i>Weather Satellite Follow-On</i>	PROJECT 644289: <i>Weather Satellite Follow-On</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Materiel Development Decision (MDD)	2	2012	2	2012
Analysis of Alternatives (AoA)	3	2012	1	2013
Risk Reduction Activities	3	2012	4	2013