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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force										Date: February 2018		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0305145F I Arms Control Implementation							
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	-	4.667	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
675063: Digital Visual Imaging System (DVIS)	-	4.667	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The OC-135B aircraft supports the implementation of the United States Government (USG) Open Skies Treaty. This program addresses the requirements in the Presidential Policy Directive-15 (PPD-15). The Open Skies Treaty allows signatories to conduct observation flights over each other's territory using fixed-wing, unarmed observation aircraft. The aircraft can use optical cameras, video cameras, sideways-looking synthetic aperture radar, and infrared line scanning devices. There are 34 participating states to the Open Skies Treaty. The Air Force is required to allow over flight of USAF bases per multilateral request; to acquire, operate, and maintain the aircraft and equipment utilized during over flights of partner countries; to provide required sensor media and initial media processing; and to provide airfield servicing, logistics, and maintenance for foreign over flights of the US.

Open Skies Sensors - Mission equipment on the OC-135B includes wet film optical framing and panoramic cameras. Open Skies Sensors program addresses the requirements in the Presidential Policy Directive-15 (PPD-15), which states, "The United States shall begin budgeting no later than FY14 to upgrade the sensors on the current aircraft by replacing film-based cameras with available electro-optical sensors. (U)"

Test articles will be procured for the purpose of developmental testing and to support Treaty certification of the sensors.

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.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver DVIS. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605826F, 0605827F, 0605828F, 0605829F, 0605830F, 0605831F, 0605832F, and 0605898F

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B. Program Change Summary (\$ in Millions)				FY 2017	FY 2018	FY 2019 Base		FY 2019 OCO		FY 2019 Total	
Previous President's Budget				4.844	0.000	0.000		0.000		0.000	
Current President's Budget				4.667	0.000	0.000		0.000		0.000	
Total Adjustments				-0.177	0.000	0.000		0.000		0.000	
• 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				-0.177	0.000	0.000		0.000		0.000	
C. Accomplishments/Planned Programs (\$ in Millions)						FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	
Title: OC-135 Open Skies Sensors						4.667	0.000	0.000	0.000	0.000	
Description: Replace existing Open Skies aircraft wet film sensors with digital sensors.											
FY 2018 Plans: N/A											
FY 2019 Base Plans: N/A											
FY 2019 OCO Plans: N/A											
FY 2018 to FY 2019 Increase/Decrease Statement: N/A											
Accomplishments/Planned Programs Subtotals						4.667	0.000	0.000	0.000	0.000	
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
• APAF 05 Line Item 1900: Digital Visual Imaging System (DVIS)	-	20.100	5.961	-	5.961	0.000	0.000	-	-	0.000	26.061

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D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u> <u>Base</u>	<u>FY 2019</u> <u>OCO</u>	<u>FY 2019</u> <u>Total</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
Remarks PE 035145F											
E. Acquisition Strategy The acquisition strategy is to acquire, develop, test, purchase, and install DVIS update the Open Skies Medial Processing Facility (OSMPF)through full and open competition. The contracting strategy is for a single integrator through development, test, production, and installation.											
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-3, RDT&E Project Cost Analysis: PB 2019 Air Force												Date: February 2018			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0305145F / Arms Control Implementation						Project (Number/Name) 675063 / Digital Visual Imaging System (DVIS)			
Product Development (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Open Skies Sensors Engineering, Development and Prototype Subtotal Product Development	C/CPFF	Various : Various	-	1.775	Feb 2016	-		-		-		-	Continuing	Continuing	22.388
Subtotal			-	1.775		-		-		-		-	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Sub Total Support	Various	Various : Various	-	0.734	Aug 2017	-		-		-		-	Continuing	Continuing	3.545
Subtotal			-	0.734		-		-		-		-	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Open Skies Sensor development ground and flight testing for imagery collection	PO	Various : Various	-	2.108	Apr 2017	-		-		-		-	Continuing	Continuing	2.548
Subtotal			-	2.108		-		-		-		-	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Open Skies Sensors PMA SubTotal Management Services	Various	Various : Various	-	0.050	Sep 2017	-		-		-		-	Continuing	Continuing	0.152
Subtotal			-	0.050		-		-		-		-	Continuing	Continuing	N/A

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		Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	4.667	0.000		-		-		-	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2019 Air Force																Date: February 2018			
Appropriation/Budget Activity 3600 / 7								R-1 Program Element (Number/Name) PE 0305145F / Arms Control Implementation								Project (Number/Name) 675063 / Digital Visual Imaging System (DVIS)			

	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
No project title.																												
Critical Design Review																												
Test/Certification																												
Milestone C																												
Initial Operational Capability																												
Final Operational Capability																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2019 Air Force			Date: February 2018
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305145F / <i>Arms Control Implementation</i>	Project (Number/Name) 675063 / <i>Digital Visual Imaging System (DVIS)</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>No project title.</i>				
Critical Design Review	1	2017	1	2017
Test/Certification	4	2017	3	2018
Milestone C	4	2018	4	2018
Initial Operational Capability	3	2018	3	2018
Final Operational Capability	4	2019	4	2019