

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

DATE

February 2003

BUDGET ACTIVITY

PE NUMBER AND TITLE

PROJECT

07 - Operational System Development**0305207F Manned Reconnaissance System****4754**

COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
4754 COBRA BALL	7,015	7,915	14,726	13,318	16,615	12,404	12,581	12,752	0	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

(U) **A. Mission Description**

This project supports design studies, engineering analysis, non-recurring engineering, and other efforts associated with modifications to the RC-135 or its mission systems - both air and ground. The results of these development efforts provide the requisite engineering necessary to implement baseline modifications or provide a preliminary assessment of the technical feasibility, operability, or military utility of a specific application.

(U) **FY 2002 (\$ in Thousands)**

(U) \$0 ACCOMPLISHMENTS/PLANNED PROGRAM
 (U) \$5,015 Congressional Add: COBRA BALL Advanced Airborne Sensor (AAS) - \$5.05M
 (U) \$2,000 Congressional Add: COMBAT SENT Passive Airborne Ranging - \$2M
 (U) \$7,015 Total

(U) **FY 2003 (\$ in Thousands)**

(U) \$0 ACCOMPLISHMENTS/PLANNED PROGRAM
 (U) \$7,915 Congressional Add: Network-Centric Collaborative Targeting (NCCT) - \$8.0M
 (U) \$7,915 Total

(U) **FY 2004 (\$ in Thousands)**

(U) \$0 ACCOMPLISHMENTS/PLANNED PROGRAM
 (U) \$3,730 Initiates Non-Recurring Engineering (NRE) for the Airborne Extremely High Frequency Communications system to be added to the RC135 fleet.
 (U) \$10,996 Initiates Non-Recurring Engineering (NRE) for the development and installation of improved mission sensor elements - see classified submission.
 (U) \$14,726 Total

(U) **B. Budget Activity Justification**

This program is budget activity 7, Operational Systems Development, because it involves Air Force R&D to field essential operational capabilities.

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07 - Operational System Development**0305207F Manned Reconnaissance System****4754**(U) **C. Program Change Summary (\$ in Thousands)**

	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Total Cost</u>
(U) Previous President's Budget			15,021	
(U) Appropriated Value	7,100	8,000		
(U) Adjustments to Appropriated Value				
a. Congressional/General Reductions	-50	-85		
b. Small Business Innovative Research				
c. Omnibus or Other Above Threshold Reprogram				
d. Below Threshold Reprogram				
e. Rescissions	-35			
(U) Adjustments to Budget Years Since FY 2003 PBR			-295	
(U) Current Budget Submit/FY 2004 PBR	7,015	7,915	14,726	TBD

(U) **Significant Program Changes:**

None

(U) **D. Other Program Funding Summary (\$ in Thousands)**

	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(U) PE 0305207F, APAF	243,785	165,637	124,076	128,255	124,627	128,877	143,371	145,825		TBD

(U) **E. Acquisition Strategy**

The RC-135 Operational Systems Development and enhancement activities are managed by the Air Force through the BIG SAFARI program in the Reconnaissance System Program Office. These projects are managed by Air Force Material Command / Aeronautical Systems Center and provide technical oversight and management of all aircraft, ground and support system modifications, integration and flight test engineering responsibility, product assurance and acceptance testing, and logistics and training activities. Aircraft, aircraft sensor systems, and associated ground support system modifications planned for FY03-FY09 include the procurement, fielding and logistical support for three distinct RIVET JOINT baseline configurations [baseline 7, 8 ,9] and two distinct baselines [baselines 2 & 3] for COMBAT SENT. Additional information is available within the classified Congressional budget exhibits.

(U) **F. Schedule Profile**FY 2002FY 2003FY 2004

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0305207F Manned Reconnaissance System

4754

(U) F. Schedule Profile Continued

<u>FY 2002</u>				<u>FY 2003</u>				<u>FY 2004</u>			
1	2	3	4	1	2	3	4	1	2	3	4
		*									
						X					
							X				

(U) Prototype Delivery (LRIS)

(U) AAS - LADAR Flight Test Completed

(U) Combat Sent Passive Ranging Completed

* - Denotes completed event

X - Denotes planned event

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)								DATE February 2003			
BUDGET ACTIVITY					PE NUMBER AND TITLE				PROJECT		
07 - Operational System Development					0305207F Manned Reconnaissance System				4754		
(U) A. Project Cost Breakdown (\$ in Thousands)											
					FY 2002		FY 2003		FY 2004		
(U) System Design and Analysis					7,015		7,915		14,726		
(U) Fabrication and Test											
(U) Integration and Support											
(U) Total					7,015		7,915		14,726		
(U) B. Budget Acquisition History and Planning Information (\$ in Thousands)											
(U) Performing Organizations:											
Contractor or Government		Contract Method/Type	Award or Obligation	Performing Activity	Project Office	Total Prior to FY 2002	Budget FY 2002	Budget FY 2003	Budget FY 2004	Budget to Complete	Total Program
Activity		Vehicle	Date	EAC	EAC						
Product Development Organizations											
ASC/RAB		Multiple	Jan 02	N/A	N/A	4,795	7,015	7,915	14,726	Continuing	TBD
Support and Management Organizations											
Test and Evaluation Organizations											
						Total Prior to FY 2002	Budget FY 2002	Budget FY 2003	Budget FY 2004	Budget to Complete	Total Program
Subtotals						4,795	7,015	7,915	14,726	TBD	TBD
Subtotal Product Development											
Subtotal Support and Management											
Subtotal Test and Evaluation											
Total Project						4,795	7,015	7,915	14,726	TBD	TBD

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