

UNCLASSIFIED

PE NUMBER: 0305207F

PE TITLE: Manned Reconnaissance System

Exhibit R-2, RDT&E Budget Item Justification								DATE February 2004	
BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0305207F Manned Reconnaissance System				
Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	8.357	15.682	13.283	16.570	12.379	12.575	12.772	0.000	0.000
4754 COBRA BALL	8.357	15.682	13.283	16.570	12.379	12.575	12.772	0.000	0.000

(U) A. Mission Description and Budget Item Justification

(U) This project supports design studies, engineering analysis, non-recurring engineering, and other efforts associated with the integration and modification of the RC-135 and its' mission systems - both air and ground. Though extensive utilization of COTS based solutions allows rapid fielding of needed capabilities, it also incurs the need for continuous Vanishing Vendor integration efforts consistent with the COTS technology cycle.

(U) The result of these efforts provides the requisite engineering for preliminary assessments of technical feasibility, operability, or military utility as well as specific engineering implementations integrated into the various baseline modifications.

(U) Budget Activity Justification

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

(U) B. Program Change Summary (\$ in Millions)

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Previous President's Budget	8.000	15.826	13.283
(U) Current PBR/President's Budget	8.357	15.682	13.283
(U) Total Adjustments	0.357	-0.144	
(U) Congressional Program Reductions		-0.010	
Congressional Rescissions	-0.085	-0.134	
Congressional Increases			
Reprogrammings	0.442		
SBIR/STTR Transfer			
(U) <u>Significant Program Changes:</u>			
None			

Exhibit R-2a, RDT&E Project Justification

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BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0305207F Manned Reconnaissance System			PROJECT NUMBER AND TITLE 4754 COBRA BALL		
Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
4754 COBRA BALL	8.357	15.682	13.283	16.570	12.379	12.575	12.772	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

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(U) The result of these efforts provides the requisite engineering for preliminary assessments of technical feasibility, operability, or military utility as well as specific engineering implementations integrated into the various baseline modifications.

(U) Budget Activity Justification

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

(U) B. Accomplishments/Planned Program (\$ in Millions)

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Congressional Add: Network-Centric Collaborative Targeting (NCCT) - \$8.0M	8.357		
(U) Continues Non-Recurring Engineering (NRE) for the Airborne Extremely High Frequency Communications system to be added to the RC135 fleet.		3.730	5.000
(U) Continues Non-Recurring Engineering (NRE) for the development and installation of improved mission sensor elements - see classified submission.		10.852	8.283
(U) Congressional Add: Cobra Ball Advanced Airborne Sensor (AAS) - \$1.1M		1.100	
(U) Total Cost	8.357	15.682	13.283

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

	<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 Complete</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) PE 0305207F, APAF	165.637	133.607	132.414	124.447	128.735	143.446	146.185	Continuing	TBD

(U) D. Acquisition Strategy

The RC-135 Operational Systems Development and enhancement activities are managed by the Air Force through the BIG SAFARI program located within the Reconnaissance System Program Office at the Air Force Material Command / Aeronautical Systems Center. Included is 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 FY05-FY09 include the procurement, fielding and logistical

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Exhibit R-2a, RDT&E Project Justification

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BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0305207F Manned Reconnaissance System

PROJECT NUMBER AND TITLE

4754 COBRA BALL

support for three distinct RIVET JOINT baseline configurations [baseline 8, 9,10] and two distinct baselines [baselines 3 & 4] for COMBAT SENT. SEE CLASSIFIED Congressional budget exhibits.

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Exhibit R-3, RDT&E Project Cost Analysis

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BUDGET ACTIVITY			PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE				
07 Operational System Development			0305207F Manned Reconnaissance System					4754 COBRA BALL				
<u>(U) Cost Categories</u>	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>Cost to</u>	<u>Total</u>	<u>Target</u>
(Tailor to WBS, or System/Item Requirements) (\$ in Millions)			<u>Prior to FY</u>	<u>2003</u>	<u>2003</u>	<u>2004</u>	<u>2004</u>	<u>2005</u>	<u>2005</u>	<u>Complete</u>	<u>Cost</u>	<u>Value of</u>
			<u>2003</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u>	<u>Award</u>			<u>Contract</u>
			<u>Cost</u>		<u>Date</u>		<u>Date</u>		<u>Date</u>			
<u>(U) Product Development</u>												
Multiple	Multiple	AFMC ASC/RAB	7.015	8.357		15.682		13.283		Continuing	TBD	
Subtotal Product Development			7.015	8.357		15.682		13.283		Continuing	TBD	0.000
Remarks:	All activity is based around the Programmed Depot Maintenance (PDM) airframe schedule which includes multiple contracts and organizations with overlapping and continuous periods of performance.											
<u>(U) Support</u>												
		AFMC ASC/RAB								Continuing	TBD	
Subtotal Support			0.000	0.000		0.000		0.000		Continuing	TBD	0.000
Remarks:												
<u>(U) Test & Evaluation</u>												
		AFMC ASC/RAB								Continuing	TBD	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		Continuing	TBD	0.000
Remarks:												
<u>(U) Management</u>												
		AFMC ASC/RAB								Continuing	TBD	
Subtotal Management			0.000	0.000		0.000		0.000		Continuing	TBD	0.000
Remarks:												
<u>(U) Total Cost</u>			7.015	8.357		15.682		13.283		Continuing	TBD	0.000

Exhibit R-4, RDT&E Schedule Profile

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BUDGET ACTIVITY
07 Operational System Development

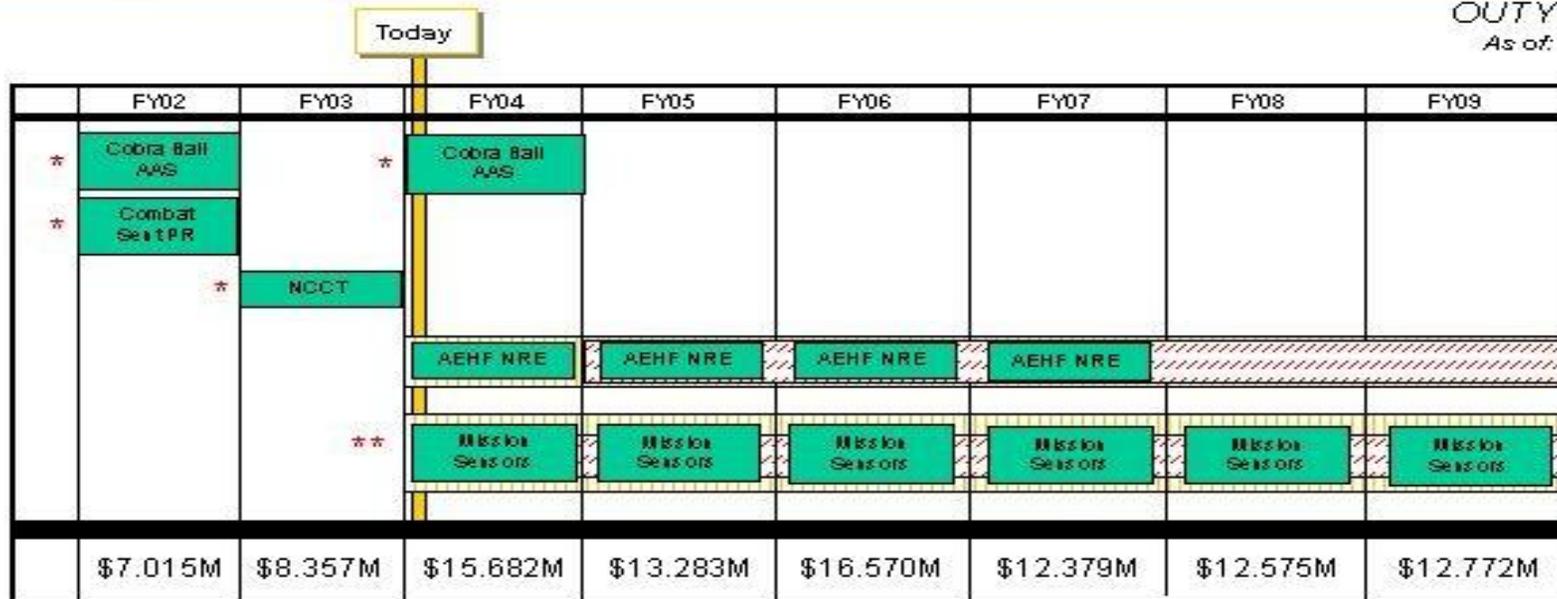
PE NUMBER AND TITLE
0305207F Manned Reconnaissance System

PROJECT NUMBER AND TITLE
4754 COBRA BALL

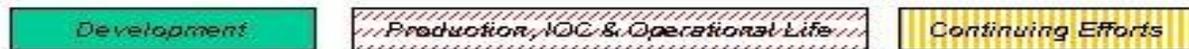


Manned Reconnaissance Program

OUTYEARS
As of: FY05



* Congressional Adds
** See CLASSIFIED Submission for detailed breakout



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Exhibit R-4a, RDT&E Schedule Detail	DATE February 2004
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305207F Manned Reconnaissance System	PROJECT NUMBER AND TITLE 4754 COBRA BALL
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(U) <u>Schedule Profile</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Network-Centric Collaborative Targeting (NCCT)	1Q	4Q	
(U) - Initiate the NCCT study effort	1Q		
(U) - Complete the NCCT study effort		4Q	
(U) Initiate NRE for AEHF FAB-T communications systems		1Q	4Q
(U) Initiate NRE for improved mission sensor elements*		1Q	4Q
(U) Cobra Ball Advanced Airborne Sensor (AAS)		1Q	4Q
(U) - Initiate the AAS study efforts		1Q	
(U) - Complete the AAS study efforts			4Q
* SEE Classified Budget Submission			