	Ex	DATE	February 2	2005							
	ET ACTIVITY perational System Development					BER AND TITLE 8F KC-135s					
	Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
	Total Program Element (PE) Cost	3.009	1.070	1.498	1.121	1.138	1.159	0.000	0.000	Continuing	TBD
4494	KC-135 Aging Aircraft Program	3.009	1.070	1.498	1.121	1.138	1.159	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

This program, in part, supports the aging aircraft corrosion and fatigue project CORAL REACH. CORAL REACH studies include the analysis and testing efforts in the area of aging aircraft, to include structural, corrosion, fatigue, and stress corrosion cracking. Additionally, the Functional System Integrity Program (FSIP) proactively examines individual aircraft systems for potential impacts due to aging components. The USAF will utilize these activities to improve KC-135 Programmed Depot Maintenance efficiency and to provide direction for future aging aircraft efforts to maintain the KC-135 as a viable airframe.

Boom Operator Weapon System Trainers (BOWST) - These funds will be used to develop and field two high-fidelity devices which simulate the environment in a KC-135 boom pod and allow realistic training of aerial refueling procedures across the spectrum of operational situations. The devices will be placed at the KC-135 Combat Crew Training School, and will replace the current Boom Operator Part Task Trainers.

These efforts are low technical risk supporting a fielded weapon system and, therefore, is assigned to Budget Activity 7, Operational Systems Development.

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

1		<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
ı	(U) Previous President's Budget	3.147	1.079	1.489	1.102
ı	(U) Current PBR/President's Budget	3.009	1.070	1.498	1.121
ı	(U) Total Adjustments	-0.138	-0.009		
ı	(U) Congressional Program Reductions				
ı	Congressional Rescissions		-0.009		
ı	Congressional Increases				
ı	Reprogrammings	-0.054			
ı	SBIR/STTR Transfer	-0.084			
- 1	(II) Significant Program Changes				

EX7.2004

EX7.2005

EX7.2007

(U) Significant Program Changes:

FY04 funding includes money for BOWST

R-1 Shopping List - Item No. 217-1 of 217-5

EX7.0007

UNCLASSIFIED

	E	DATE	February 2	2005							
							OJECT NUMBE 94 KC-135 A		t Program		
	Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4494	KC-135 Aging Aircraft Program	3.009	1.070	1.498	1.121	1.138	1.159	0.000	0.000	Continuing	TBD
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

This program, in part, supports the aging aircraft corrosion and fatigue project CORAL REACH. CORAL REACH studies include the analysis and testing efforts in the area of aging aircraft, to include structural, corrosion, fatigue, and stress corrosion cracking. Additionally, the Functional System Integrity Program (FSIP) proactively examines individual aircraft systems for potential impacts due to aging components. The USAF will utilize these activities to improve KC-135 Programmed Depot Maintenance efficiency and to provide direction for future aging aircraft efforts to maintain the KC-135 as a viable airframe.

Boom Operator Weapon System Trainers (BOWST) - These funds will be used to develop and field two high-fidelity devices which simulate the environment in a

KC-135 boom pod and allow realistic training of aerial refueling procedures across the spectrum of operational situations. The devices will be placed at the KC-135 Combat Crew Training School, and will replace the current Boom Operator Part Task Trainers.

These efforts are low technical risk supporting a fielded weapon system and, therefore, is assigned to Budget Activity 7, Operational Systems Development.

(U)	B. Accomplishments/Planned Program (\$ in Millions)	FY 2004	FY 2005	FY 2006	FY 2007
(U)	Corrosion/crack growth rate and fatigue determination and testing	0.907	0.340	0.425	0.125
(U)	Basic materials test and predictive technique	0.120	0.000	0.000	0.000
(U)	Functional Systems Integrity Program (FSIP)	0.000	0.479	0.698	0.698
(U)	Mission support/contractor support	0.356	0.251	0.375	0.298
(U)	Boom Operator Weapon System Trainer	1.626	0.000	0.000	0.000
(U)	Total Cost	3.009	1.070	1.498	1.121

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

	<u>FY 2004</u>	<u>FY 2005</u>	FY 2006	FY 2007	FY 2008	FY 2009	<u>FY 2010</u>	<u>FY 2011</u>	Cost to Total Cost
	<u>Actual</u>	Estimate	Complete Total Cost						
(U) Other APPN	2.500								2,500

PE#0401218F/KC-135 Squadrons, Aircraft Procurement, AF, BA-5, KC-135 Mods, BOWST, BP-11

(U) D. Acquisition Strategy

The acquisition strategy consists primarily of separate task orders (with separate statements of work) ranging from fixed price to cost plus contracts. These task orders address a myriad of aging aircraft activities against existing contract vehicles, such as the SPO-managed KC-135 Fleet Support Contract and Design Engineering Program contracts managed through the Air Logistics Centers.

Project 4494 R-1 Shopping List - Item No. 217-2 of 217-5

Exhibit R-2a (PE 0401218F)

UNCLASSIFIED

	Exhib	it R-3, RD	T&E Proj		st Ana						DATE		ary 200	
BUDGET ACTIVITY 07 Operational System Develop	ment					IUMBER A 1218F K						BER AND		
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	Contract Method & Type	Performing Activity & Location	<u>Total</u> <u>Prior to FY</u> <u>2004</u> <u>Cost</u>	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost to Complete	Total Cost	Target Value of Contrac
(U) Product Development C/KC-135 Fleet Support	SS/FFP	Boeing, Wichita, KS	1.252	0.757	Jan-04		Mar-05		Nov-05	1.050	Dec-06	Continuing	TBD	0.000
Subtotal Product Development Remarks: (U) Support (DED)	C/EP	ADING	1.252	0.757		1.010		1.208		1.050		Continuing	TBD	0.000
Design Engineering Program (DEP)	C/FP	ARINC, Oklahoma City, other support ctrs.	0.119	0.123	Jan-04	0.000		0.224	Jan-06			Continuing	TBD	
Subtotal Support Remarks: (U) Test & Evaluation		support cus.	0.119	0.123		0.000		0.224		0.000		Continuing	TBD	0.000
Testing	Project Order/MIP R	Wright Labs, Dayton, OH, NASA, VA, etc.	1.776	2.046	Dec-03	0.000						Continuing	TBD	
Subtotal Test & Evaluation Remarks: (U) Management		cic.	1.776	2.046		0.000		0.000		0.000		Continuing	TBD	0.000
Subtotal Management Remarks:			0.000	0.083 0.083		0.060 0.060		0.066 0.066		0.071 0.071		Continuing Continuing	TBD TBD	0.000
(U) Total Cost			3.147	3.009		1.070		1.498		1.121		Continuing	TBD	0.000

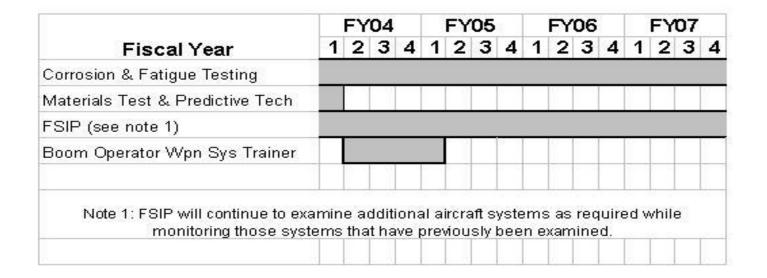
Project 4494

Exhibit R-3 (PE 0401218F)

UNCLASSIFIED

	Exhibit R-4, RDT&E Schedule P	Profile	February 2005
BUDGET ACTIVITY 07 Operational System Development		_	NUMBER AND TITLE C-135 Aging Aircraft Program
		0.10.1=101.110.1000	

KC-135 R-4 Schedule Profile



Planned Ongoing Activity

Project 4494

Exhibit R-4a, RI	DATE Febru a	ary 2005			
BUDGET ACTIVITY O7 Operational System Development	PE NUMBER AND TITLE PROJECT 0401218F KC-135s 4494 KC				
(U) Schedule Profile	FY 2004	FY 2005	FY 2006	FY 2007	
(U) Corrosion & Fatigue Testing	1-4Q	1-4Q	1-4Q	1-4Q	
(U) Materials Test & Predictive Tech	1Q				
(U) FSIP	1-4Q	1-4Q	1-4Q	1-4Q	
(U) Boom Operator Weapon System Trainer	2Q	1Q			

Project 4494

R-1 Shopping List - Item No. 217-5 of 217-5

Exhibit R-4a (PE 0401218F)