PE NUMBER: 0401130F PE TITLE: C-17 Aircraft

	Exhil	bit R-2, RDT	&E Budge	t Item Just	ification			DATE	F abruary	2004	
UDGET	DGET ACTIVITY PE NUMBER AND TITLE										
7 Operational System Development 0401130F C-17 Aircraft											
	Cost (\$ in Millions)	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Cost to	Total	
	· · · ·	Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Complete		
	Total Program Element (PE) Cost	155.805	183.913	199.692	141.141	166.101	119.989	154.049	0.000	7,139.8	
2569	C-17 Aircraft	155.805	183.913	199.692	141.141	166.101	119.989	154.049	0.000	7,094.9	
886	Large Aircraft Infrared Counter Measures (LAIRCM)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	44.8	
Y02 an	d later funds for LAIRCM were ZBTed	1 to PE 41134F.									
J) <u>A</u>	Mission Description and Budget Iter										
(a ex	d constitutes the most responsive mean irland and airdrop), sustaining support, ceed the capabilities lost from retiring to it it also reduces ground time during air	retrograde, and the aging C-141	combat redeplo fleet from the	oyment. The C Air Force inver	-17 provides a not only	vast increase in can the C-17 c	overall airlift leliver outsize	capability nece cargo to auster	ssary to replace e tactical enviro	and	
	.	-	The C-17 will	perform the ai	rlift mission w	ell into this cen	tury. RD1&E	efforts support	producibility		
	hancements and performance improver										
	nis program is budget activity 7, Operat	•	-		-			• •	ility and perform	nance	
111	provements to support full-rate produc	tion and increase	e the operation	al capability of	the C-1/ throu	gn programme	a modifications	S.			
U) <u>B.</u>	Program Change Summary (\$ in Mi	<u>llions)</u>									
							<u>FY 2003</u>	<u>FY</u>	<u>2004</u>	<u>FY 2005</u>	
J) Pr	evious President's Budget						153.797	184	.089	200.215	
J) Cu	arrent PBR/President's Budget						155.805	183	.913	199.692	
J) To	otal Adjustments						2.008	-0	.176		
J) Co	ongressional Program Reductions										
	ongressional Rescissions								.576		
	ongressional Increases							1	.400		
	programmings						2.008				
	BIR/STTR Transfer										
·	gnificant Program Changes:										
No	one										
			R-1 Sho	pping List - Item	No. 210-1 of 210	-7			Exhibit R-2 (F	PE 0401130F	
				1921							

	Exhibit R-2	a, RDT&E P	roject Just	tification			DATE	February	2004
BUDGET ACTIVITY 07 Operational System Developme	ent			PE NUMBER AI			PROJECT NUM 2569 C-17 Ai	BER AND TITLE	2004
Cost (\$ in Millions)	FY 200 Actual		FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
2569 C-17 Aircraft	155.							0.000	7,094.98
Quantity of RDT&E Articles		0	0	0	0 (0	0		
The C-17 can perform the entire s Airlift provides essential flexibilit and constitutes the most responsiv (airland and airdrop), sustaining s exceed the capabilities lost from r but it also reduces ground time du enhancements and performance ir	y when responding re means of meetin upport, retrograde, etiring the aging C ring airland operat	to contingencies g U.S. mobility r and combat rede -141 fleet from th	s on short notic equirements. ployment. The ne Air Force in	e anywhere in t Specific tasks a e C-17 provides ventory. Not o	he world. It is a ssociated with t a vast increase nly can the C-12	a major element he airlift missio in overall airlift deliver outsize	of America's n n include deplo capability nece cargo to auster	ational security yment, employ essary to replac re tactical envir	strategy ment e and
 (U) <u>B. Accomplishments/Planned Pre</u> (U) Performance Improvement Develoy (U) Systems Engineering/Program Mai (U) Producibility Enhancement/Perform (U) Producibility Enhancement/Perform (U) Total Cost 	oment & Testing nagement nance Improvemer	nt (PE/PI) Contra	U			8	<u>7 2003</u> 39.869 38.871 16.715 10.350 55.805	<u>FY 2004</u> 110.141 44.212 19.560 10.000 183.913	<u>FY 2005</u> 130.882 34.700 21.110 13.000 199.692
(U) <u>C. Other Program Funding Sum</u>	mary (\$ in Millio	ns)							
	<u>FY 2003</u> <u>Actual</u>	<u>FY 2004</u> <u>Estimate</u>	<u>FY 2005</u> <u>Estimate</u>	<u>FY 2006</u> <u>Estimate</u>	<u>FY 2007</u> <u>Estimate</u>	<u>FY 2008</u> Estimate	<u>FY 2009</u> <u>Estimate</u>	<u>Cost to</u> <u>Complete</u>	Total Cost
(U) APAF, MYP, BA02, PE0401130F	3140.601	2089.574	2512.479	2584.833	2250.517	197.103	54.835	0.000	12,829.942
(U) APAF, ICS, PE0401130F APAF, A/C Mods, BA05,	536.347	906.743	945.560	779.440	777.944	729.190	823.846	0.000	5,499.070
(U) PE0401130F	90.744	48.737	89.144	314.235	369.068	564.703	695.782	0.000	2,172.413
(U) MilCon, Facilities, PE0401130F	73.133	70.047	64.800	92.400	148.800	7.400	1.400	0.000	457.980
U) <u>D. Acquisition Strategy</u> The C-17 Acquisition Strategy is a procurement (MYP) aircraft contr Improvement (PE/PI) contract (to Flexible Sustainment (field support Project 2569	act (to economical develop cost reduc	y purchase the function changes, cap port the current a	all complement bability enhance and future fielde	t of production a cements, and des	aircraft) - (APA sign fixes to ser PAF); 4) a MYI	F); 2) a Produci vice-revealed pr	bility Enhancer oblems) - (RD7	nent and Perfor [&E, APAF); 3	rmance 5) a Equipment

Exhibit R-2a, RDT	&E Project Justification	DATE February 2004	
BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT NUMBER AND TITLE	
07 Operational System Development	0401130F C-17 Aircraft	2569 C-17 Aircraft	
[OPP] = (APAP) = (4PAP) = (45) = (45) = (45)		Construction of the second secon	

[GFE] engines) - (APAF); and 5) a set of simulator and training contracts: two aircrew training systems (ATS) contracts (one for aircrew simulators and one for training & concurrency upgrades), and a maintenance training device contract (for devices & concurrency upgrades) - (APAF).

The congressionally mandated Mobility Requirements Study (MRS), initially forwarded to Congress on 23 Jan 92 and updated in 1995 and again in 2001, validated the need for the C-17 aircraft. Two C-17 Defense Acquisition Board (DAB) decisions, contained in the 3 Nov 95 and 1 Feb 96 USD(A&T) Acquisition Decision Memoranda (ADM), directed the Air Force to proceed with a 120-aircraft production program and pursue a multi-year procurement for the last 80 aircraft. The FY96 Supplemental Appropriations Act and FY97 Defense Appropriations Act approved a 7-year MYP program. The Air Force is proceeding with an 80-aircraft MYP program (along with engines to support them) to complete a 120-aircraft total purchase at the maximum affordable rate (FY97-03 Quantity: 8-9-13-15-12-15-15), beginning with the economic order quantity (EOQ) funding in FY96. Sixty additional C-17s have been programmed at the end of the 80-aircraft MYP to replace Air Mobility Command's (AMC's) C-141 aircraft and meet requirements not included in the 120 aircraft program. The adjusted program is (FY03-07 Quantity): 15-11-14-15-13.

During FY05 the Air Force will continue evaluation of commercial C-17 Civil Reserve Air Fleet (CRAF) applications and feasibility. The Air Force will also continue evaluating the design changes required for an FAA-certifiable version of the C-17.

E	xhibit R-3, RD	T&E Project Cost	Analysis	5					DATE	Februa	rv 200	4
BUDGET ACTIVITY 07 Operational System Development		PE NUMBER AND TITLE 0401130F C-17 Aircraft					CT NUME	February 2004		-		
 (U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions) (U) <u>Product Development</u> 	Contract Method & Type	Performing Activity & Location	<u>Total</u> Prior to FY <u>2003</u> <u>Cost</u>	<u>FY</u> <u>2003</u> <u>Cost</u>	FY 2003 <u>Award</u> Date	Cost	<u>FY</u> 2004 <u>Award</u> <u>Date</u>	<u>FY</u> <u>2005</u> <u>Cost</u>	<u>FY</u> 2005 <u>Award</u> <u>Date</u>	<u>Cost to</u> Complete	<u>Total</u> <u>Cost</u>	<u>Targe</u> <u>Value o</u> <u>Contrac</u>
Boeing	C,FPI/FP		5,341.904							0.000	5,341.9 04	
Boeing	C,CPFF		579.746	145.275	Jan-03	171.074	Jan-04	186.543	Jan-05	515.773	1,598.4 11	
Pratt & Whitney Boeing Pratt & Whitney None	C,FP C,FPI FP+EPA		25.346 83.885 7.506								25.346 83.885 7.506 0.000	
Subtotal Product Development			6,038.387	145.275		171.074		186.543		515.773	7,057.0 52	0.00
Remarks: U) <u>Support</u> Mission Support OGC Site Activation OGC Miscellaneous None	PO PO		97.615 1.539 22.400							0.000	97.615 1.539 22.400 0.000	
Subtotal Support Remarks:			121.554	0.000		0.000		0.000		0.000	121.554	0.0
 U) <u>Test & Evaluation</u> Combined Test Force Wright Labs/Arnold Eng Dev Center Other None Subtotal Test & Evaluation Remarks: 	PO PO PO		268.745 10.379 3.030 282.154	0.130	Jan-03 Jan-03	12.700 0.139 12.839		13.000 0.149 13.149	Jan-05 Jan-05	0.807 0.000	369.545 11.604 3.030 0.000 384.179	
U) <u>Management</u> Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000 0.000	
Remarks:			0.000	0.000		0.000		0.000		0.000	0.000	0.00
Project 2569		R-1 Shopping List - I	tem No. 210-4	4 of 210-7						Exhibit R	-3 (PE 04	01130F)

Exhibit R-		DATE February 2004						
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0401130F C-17 Air	PE NUMBER AND TITLE F 0401130F C-17 Aircraft 2			ROJECT NUMBER AND TITLE 569 C-17 Aircraft			
(U) Total Cost	6,442.095 155.805	183.913	199.692	581.280 ^{7,562.7} 85	0.000			
Project 2569	R-1 Shopping List - Item No. 210-5 of 210-7			Exhibit R-3 (PE 040)1130F)			

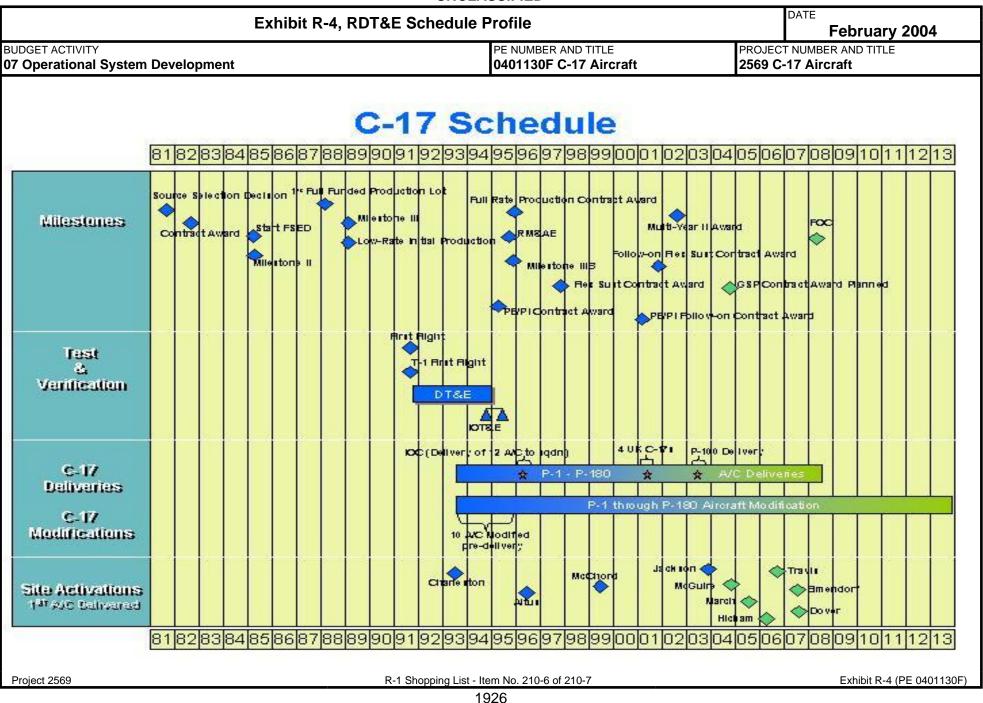


Exhibit R-4a, RDT&E Sch		DATE February 2004		
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0401130F C-17 Aircraft	PROJECT NUMBER AND T 2569 C-17 Aircraft	ITLE	
(U) <u>Schedule Profile</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	
(U) Incremental Funding of Ongoing Performance Improvement Projects	1-3Q	1-3Q	1-3Q	
(U) T1 Integrated Drive Generator	3Q			
(U) Liquid Oxygen Bottle Crew Armor (12.7 mm)		1Q		
(U) Night Vision Goggle Lighting	2Q			
(U) Commercial Application Initiative	3Q			
(U) Army Secure Communication Requirements (SECOMP-1)		1-2Q		
(U) Precision Air Drop System (PADS) Demo	4Q			
(U) GATM/SAASM RNP Improvements		2-3Q		
(U) Formation Flying		2Q		
(U) Mission Computer /Core Integrated Processor		3Q		
(U) Flight Test Data Archive		2Q		
(U) Software Product Improvement Change Request (PICR)		2-4Q		