PE NUMBER: 0401119F PE TITLE: C-5 Airlift Squadrons

	RDT&E BUDGET ITEM	JUSTI	FICATI	ON SH	EET (R	-2 Exhi	bit)		DATE	Februar	y 2003
	T ACTIVITY Dperational System Development				IUMBER ANI 1119F (ft Squad	rons			
	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
	Total Program Element (PE) Cost	157,542	284,730	356,570	455,232	312,151	63,937	97	0	0	1,820,171
4495	Avionics Modernization Program	72,052	54,414	66,063	985	0	0	0	0	0	325,096
4835	Reliability Enhancement & Reengining Program	85,490	230,316	290,507	454,247	312,151	63,937	97	0	0	1,495,075
	Quantity of RDT&E Articles	0	0	3	0	0	0	0	0	0	0

(U) A. Mission Description

674495: Avionics Modernization Program (AMP): Phase I of an Air Force planned two-phase modernization effort for the C-5. It implements Global Air Traffic Management (GATM) and navigation/safety capability and the All Weather Flight Control System (AWFCS). It installs Deputy Secretary of Defense (DepSecDef) directed navigation/safety equipment: Terrain Awareness and Warning System (TAWS) and Traffic Alert and Collision Avoidance System (TCAS), reducing the threat of controlled flight into terrain and mid-air collisions. GATM capability, which encompasses communications, navigation, and surveillance requirements will be incorporated into the aircraft to meet current and future International Civil Aviation Organization (ICAO)/Federal Aviation Administration (FAA) requirements and to progress towards free flight capability. The AWFCS portion of AMP replaces low reliability Line Replaceable Units (LRUs) in the automatic flight control system and replaces aging, non-supportable mechanical instruments in the engine and flight systems. Connectivity to mobility command and control capabilities will also be incorporated in the AMP design. The TCAS portion was accelerated ahead of the rest of the AMP mod and was completed 31 Oct 02. Two AMP RDT&E test articles are funded for installation and flight test in FY02/03/04.

674835: Reliability Enhancement and Re-engining Program (RERP): Phase II of an Air Force planned two-phase modernization effort for the C-5. It improves aircraft reliability, maintainability and availability. RERP will enable the C-5 to achieve wartime mission requirements by increasing fleet availability (mission capable rate, departure reliability) while reducing total ownership costs (TOC). This effort centers around replacing TF-39 engines with a more reliable, commercially Off-the-Shelf (COTS) turbofan engine with increased takeoff thrust and stage three noise compliance. These new engines (along with new pylons, wing attach fittings and upgrades, and thrust reversers) increase payload capability and access to Global Air Traffic Management (GATM) airspace. It also decreases aircraft time to climb, increases engine-out climb gradient for takeoff, improves transportation system throughput, and decreases engine removals. Additionally, numerous other system modifications will be performed (e.g., auxiliary power units, electrics, hydraulics, fuel system, fire suppression system, pressurization/air conditioning system, landing gear, and airframe) to increase fleet availability and reduce total ownership costs. Three RDT&E test articles are funded for installation and flight test in FY05/06/07.

Page 1 of 15 Pages

Exhibit R-2 (PE 0401119F)

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

DATE

February 2003

BUDGET ACTIVITY

PE NUMBER AND TITLE

07 - Operational System Development

0401119F C-5 Airlift Squadrons

(U) B. Budget Activity Justification

674495: Avionics Modernization Program (AMP): This project is comprised of low technical risk efforts supporting fielded weapons systems and, therefore, was assigned to Budget Activity 7, Operational Systems Development.

674835: Reliability Enhancement and Re-engining Program (RERP): This project is comprised of low technical risk efforts supporting fielded weapons systems and, therefore, was assigned to Budget Activity 7, Operational Systems Development.

(U) <u>C. Program Change Summary (\$ in Thousands)</u>

		<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Total Cost</u>
(U)	Previous President's Budget	166,508	277,795	293,138	1,787,492
(U)	Appropriated Value	156,508	291,095		
(U)	Adjustments to Appropriated Value				
	a. Congressional/General Reductions	-1,564	-3,078		
	b. Small Business Innovative Research	-4,233			
	c. Omnibus or Other Above Threshold Reprogram		-3,287		
	d. Below Threshold Reprogram	7,600			
	e. Rescissions	-769			
(U)	Adjustments to Budget Years Since FY 2003 PBR			63,432	32,679
(U)	Current Budget Submit/FY 2004 PBR	157,542	284,730	356,570	1,820,171

(U) Significant Program Changes:

Since FY03PB:

C-5 AMP

- -After the FY02 Appropriation, BTR funding for engineering changes was made to the program (+\$8.0M) and a rescission (-\$0.2M) was made in support of Congressional action.
- -After the FY03 Appropriation, Congress made a General Reduction to RDT&E funds (-\$0.6M).
- -Adjustments (+\$47M) were made to the FY04 program as a result of program restructure to reduce risk. Additionally, an adjustment for nonpay purchase inflation and budget issues (-\$1.2M) was made in FY04.

Page 2 of 15 Pages

Exhibit R-2 (PE 0401119F)

DATE RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit) February 2003 PE NUMBER AND TITLE BUDGET ACTIVITY 07 - Operational System Development 0401119F C-5 Airlift Squadrons C. Program Change Summary (\$ in Thousands) Continued **(U)** Significant Program Changes Continued: (U) C-5 RERP -After the FY02 Appropriation, Congress made a General Reduction to RDT&E funds (-\$1.6M), an additional reduction (-\$4.2M) was taken in support of Small Business Innovative Research, a BTR of funds (-\$0.4M) was made, and a rescission (-\$0.6M) was made in support of Congressional action. -After the FY03 Appropriation, Congress made a General Reduction to RDT&E funds (-\$2.5M) and another adjustment (-\$3.3M) was taken for Inflation Savings. -Adjustments (+\$23.0M) were made to the FY04 program to match the OSD Cost Analysis Improvement Group (CAIG) estimate. Additionally, an adjustment for nonpay purchase inflation and budget issues (-\$5.4M) was made in FY04. Exhibit R-2 (PE 0401119F) Page 3 of 15 Pages

	RDT&E BUDGET ITEM	JUSTIF	ICATIO	ON SHE	ET (R-	2A Exh	ibit)		DATE	Februar	y 2003
	GET ACTIVITY Operational System Development			-	IUMBER ANI)1119F (ft Squad	Irons			PROJECT 4495
	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
4495	Avionics Modernization Program	72,052	54,414	66,063	985	0	0	0	0	0	325,09
	of controlled flight into terrain and mid-air collisincorporated into the aircraft to meet current and progress toward free flight capability. The AWF replaces aging, non-supportable mechanical instrincorporated in the AMP design. The TCAS por are funded for installation and flight test FY02/0 assigned to Budget Activity 7, Operational Systems	future Interest future future from the future future future from the future fut	rnational Ci of AMP rep he engine a celerated ah project is co	vil Aviation olaces low not flight synead of the notation.	n Organization of Contract of the American of	ion (ICAO) ine Replace nectivity to AMP mod an	/Federal Aveable Units of mobility conditions was commended.	viation Adm (LRUs) in t ommand an apleted 31 C	ninistration he automate d control ca Oct 02. Two	(FAA) required flight consequences of the cons	rements and to trol system and ill also be &E test articles
(U) (U) (U) (U) (U) (U) (U) (U)	FY 2002 (\$ in Thousands) \$0 Accomplishment/Planned \$12,421 System Engineering/Prog \$32,191 AMP Kit Design/Develop \$18,950 Prototype Fabrication/Inst \$5,976 Mission Support \$2,514 Government Flight Test C \$72,052 Total	ram Managoment/Contr									
(U) (U) (U) (U) (U) (U)	FY 2003 (\$ in Thousands) \$0 Accomplishment/Planned \$8,116 System Engineering/Prog \$34,658 AMP Kit Design/Develop \$2,852 Prototype Fabrication/Inst \$5,248 Mission Support	ram Manago ment/Contr									

Exhibit R-2A (PE 0401119F)

Project 4495

	RDT&E BU	DGET IT	EM JUS	TIFICAT	TON SH	EET (R-	2A Exhil	bit)		February	/ 2003
	GET ACTIVITY - Operational System	Developm	ent			NUMBER AND 01119F		Squadro	ns		PROJECT 4495
(U)	A. Mission Description Con	ntinued									
(U) (U) (U)	FY 2003 (\$ in Thousands) C \$3,540 Gover \$54,414 Total	ontinued nment Flight 7	Γest Cost								
(U) (U) (U) (U) (U) (U) (U) (U)	\$13,760 System \$42,087 AMP \$2,950 Protot \$4,150 Mission	nplishment/Plan Engineering/ Kit Design/De ype Fabricatio on Support rnment Flight T	/Program Ma velopment/C n/Install	nagement	st						
	C-5 AMP -After the FY02 Appropriation Congressional actionAfter the FY03 Appropriation -Adjustments (+\$47M) were budget issues (-\$1.2M) was re-	on, Congress m	nade a Genera	al Reduction	to RDT&E f	unds (-\$0.6M	I).				
(U)	C. Other Program Funding	Summary (\$ FY 2002 Actual	in Thousand FY 2003 Estimate	<u>FY 2004</u> <u>Estimate</u>	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
(U) (U) (U)	AF RDT&E Other APPN Aircraft Procurement, AF, BA-5, C-5 Mods, Avionics Modernization Program,	4,035	52,492	79,887	81,267	34,705				239,500	554,627
F	Project 4495				Page 5 of	15 Pages				Exhibit R-2A (P	E 0401119F)

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit) BUDGET ACTIVITY PE NUMBER AND TITLE 0401119F C-5 Airlift Squadrons												
=		evelopm	ent					Squadro	ns		PROJECT 4495	
(U)	C. Other Program Funding Su BP-11	ummary (\$ FY 2002 Actual	in Thousand 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	
(U)	Aircraft Procurement, AF, BA-5, C-5 Mods, Reliability Enhancement and Re-engining Program, BP-11	0	0	0	0	149,331	443,994	711,577	891,641	6,561,488	8,758,031	
(U)	D. Acquisition Strategy Avionics Modernization Program Commercial Off-the-Shelf (COT) update existing C-5 engineering ground and flight testing. AMP FY00 PB to accelerate Traffic A modification is planned for the e	ΓS) line repl and technic contract aw Alert and Co	laceable units cal data, deve varded to the Illision Avoid	(LRUs) and lop interface Lockheed M	software to a control speci artin Aero/Ho	meet C-5 per fications bas oneywell tear	formance and ed on perform n on 22 Janu	d Global Air ' mance require ary 1999. \$9	Traffic Manag ements, protot 0.7M in FY99	gement (GATM) re type the new system procurement was a	equirements, m, and support added in the	
(U)	E. Schedule Profile											
						FY 2002 2 3	4 1	<u>FY 2</u>			2004	
(U)	Acquisition Strategy Panel (FYS	07/4)			1 2	2 3	4 1	2	3 4	1 2	3 4	
(U)	Contract Award (FY99/1)) // 4)										
(U)	Preliminary Design Review (PD	OR) (FY00/3	3)									
(U)	Critical Design Review (CDR)	, .	,									
(U)	TCAS Kit Installations Start (FY	Y00/2)										
(U)	TCAS Kit Installations End (FY	,					*					
(U)	AMP Prototype Installation Star		- 443			*						
(U) (U)	First Flight/Developmental Test Production Installation Start (FY	,	3/1)				*					
(U)	Prod Installation Complete (FY)	,									\mathbf{v}	
		07/2)									X	

	RDT&E BUDGET ITEM JUSTIFICAT	ION	SHEE	ET (R	-2A E	xhibit)		DAT	≣ Fel	oruary	2003	
	GET ACTIVITY - Operational System Development				ND TITLE C-5 A	irlift Sc	quadro	ons	•		_	PROJ 449 :	
(U)	E. Schedule Profile Continued		FY	2002			FY	2003			FY 2	2004	
	* = completed event X = planned event	1	2	3	4	1	2	3	4	1	2	3	4
F	Project 4495	Pag	e 7 of 15	Pages					E	xhibit R	R-2A (PE	≣ 04011	19F)

	RDT&E PROG	RAM ELE	MENT/F	ROJECT C	OST BI	REAKDO	WN (R-3)		DATE F e	ebruary 20	003
	GET ACTIVITY - Operational System	Developme	nt			ER AND TITLE 19F C-5 Ai	rlift Squad	Irons			PROJECT 4495
(U)	A. Project Cost Breakdown	ı (\$ in Thousan	<u>ds</u>)								
l							FY 2		FY 200		FY 2004
(U)	System Engineering/Program	•					,	421	8,11		13,760
(U)	AMP Kit Design/Developme		est				,	191	34,65		42,087
(U)	Prototype Fabrication/Install							950	2,85		2,950
(U)	Mission Support							976	5,24		4,150
(U)	Government Flight Test Cos	t						514	3,54		3,116
(U)	Total						72,	052	54,41	4	66,063
(U)	B. Budget Acquisition History	ory and Plannir	<u>ig Informatio</u>	on (\$ in Thousan	<u>ds</u>)						
(U)	Performing Organizations:										
l	Contractor or	Contract									
l	Government	Method/Type	Award or	<u>Performing</u>	Project						
l	Performing	or Funding	Obligation	<u>Activity</u>	<u>Office</u>	Total Prior	<u>Budget</u>	Budget	<u>Budget</u>	Budget to	<u>Total</u>
l	Activity	<u>Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>	to FY 2002	FY 2002	FY 2003	FY 2004	<u>Complete</u>	<u>Program</u>
l	Product Development Organi										
l	Lockheed Martin Aero	CPAF	Jan 99		288,118	119,313	63,562	45,626	58,797	820	288,118
l	Support and Management Or	ganizations									
l	WR-ALC/LA				9,924	4,570	1,700	1,874	1,725	55	9,924
l	ASC/GRA				16,380	6,195	4,276	3,374	2,425	110	16,380
l	Test and Evaluation Organiza										
l	418 Test Squadron (Edwards				10,674	1,504	2,514	3,540	3,116		10,674
l	AFB)										
(U)	Government Furnished Pro	perty:									
l		Contract									
		Method/Type	Award or								
1	<u>Item</u>	or Funding	Obligation	<u>Delivery</u>		Total Prior	Budget	Budget	Budget	Budget to	<u>Total</u>
	Description	<u>Vehicle</u>	<u>Date</u>	<u>Date</u>		to FY 2002	FY 2002	FY 2003	FY 2004	Complete	<u>Program</u>
	Product Development Proper N/A	ty									
F	Project 4495			Pag	ge 8 of 15 Pa	iges			Exhib	it R-3 (PE 04	401119F)

RDT&E PROGRAM ELEMENT/PRO		WN (R-3)		February 2003			
UDGET ACTIVITY 77 - Operational System Development	PE NUMBER AND TITLE 0401119F C-5 Ai	rlift Squad	drons			ROJECT 1495	
U) Government Furnished Property Continued: Support and Management Property N/A Test and Evaluation Property N/A Subtotals Subtotal Product Development Subtotal Support and Management Subtotal Test and Evaluation Total Project	Total Prior to FY 2002 119,313 10,765 1,504 131,582	Budget FY 2002 63,562 5,976 2,514 72,052	Budget FY 2003 45,626 5,248 3,540 54,414	Budget FY 2004 58,797 4,150 3,116 66,063	Budget to Complete 820 165 985	Tot <u>Progra</u> 288,11 26,30 10,67 325,09	
Project 4495	Page 9 of 15 Pages			Eyhih	it R-3 (PE 04	.01119F	

	RDT&E BUDGET ITEM	JUSTIF	ICATIO	ON SHE	ET (R-	2A Exh	ibit)		DATE	Februar	y 2003
	GET ACTIVITY Operational System Development				IUMBER ANI)1119F (ft Squad	rons			PROJECT 4835
	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
4835	Reliability Enhancement & Reengining Program	85,490	230,316	290,507	454,247	312,151	63,937	97	0	0	1,495,07
	reliability, maintainability and availability. RER departure reliability) while reducing total owners (COTS) turbofan engines with increased takeoff and thrust reversers) increase payload capability engine-out climb gradient for takeoff, improves t will be performed (e.g., auxiliary power units, eleairframe) to increase fleet availability and reduce project is comprised of low technical risk efforts Development.	thrust and s and access ransportation ectrics, hydrotal owne	COC). This tage three r to Global A on system thraulics, fuel rship costs.	effort cento noise compl ir Traffic M nroughput, a system, fir Three RD	ers around riance. These fanagement and decreas e suppression T&E test ar	eplacing TI se new engi (GATM) a es engine re on system, p ticles are fu	F-39 engine nes (along vairspace. It emovals. A pressurization anded for income.	s with a mo with new py also decrea dditionally, on/air condi stallation ar	ore reliable, ylons, wing ses aircraft numerous itioning sys and flight tes	commercial attach fitting time to clim other system tem, landing t in FY05/06	ly Off-the-Shelf gs and upgrades b, increases a modifications g gear, and 6/07. This
(U) (U) (U) (U) (U) (U) (U) (U)	FY 2002 (\$ in Thousands) \$0 Accomplishment/Planned \$5,136 Systems Engineering/Prog \$58,662 RERP Design/Developme \$12,520 Prototype Fabrication/Inst \$6,004 Mission Support \$3,168 Government Test Support \$85,490 Total	ram Manag nt	gement								
(U) (U) (U) (U) (U) (U)	FY 2003 (\$ in Thousands) \$0 Accomplishment/Planned \$23,800 Systems Engineering/Prog \$150,856 RERP Design/Developme \$44,100 Prototype Fabrication/Inst \$4,574 Mission Support	ram Manag nt	gement								

Exhibit R-2A (PE 0401119F)

Project 4835

	RDT&E BU	DGET ITI	EM JUS	TIFICAT	ION SH	EET (R-	2A Exhil	bit)	D	ATE February	/ 2003
	GET ACTIVITY - <mark>Operational System</mark>	Developme	ent		=	NUMBER AND 01119F (Squadro	ns		PROJECT 4835
(U)	A. Mission Description Con	tinued									
(U) (U) (U)	FY 2003 (\$ in Thousands) Co \$6,986 Gover \$230,316 Total	ontinued nment Test Su	pport								
(U) (U) (U) (U) (U) (U) (U) (U)	\$24,652 System \$197,476 RERP \$55,598 Protot \$4,731 Mission	nplishment/Plans Engineering Design/Develope Suppe Fabrication Support nment Test Su	t/Program M. opment n/Install								
(U)	B. Project Change Summar Since FY03 PB: C-5 RERP: -After the FY02 Appropriation Business Innovative Research -After the FY03 Appropriation -Adjustments (+\$23.0M) wer nonpay purchase inflation and	on, Congress m n, a BTR of fur on, Congress m e made to the l	nds (-\$0.4M) ade a Genera FY04 progra	was made, a al Reduction m to match the	and a rescission to RDT&E for the OSD Cost	on (-\$0.6M) unds (-\$2.5M	was made in (1) and anothe	support of C r adjustment	ongressional a (-\$3.3M) was	action. s taken for Inflatior	Savings.
(U)	C. Other Program Funding	Summary (\$ i FY 2002 Actual	in Thousand FY 2003 Estimate	<u>FY 2004</u> <u>Estimate</u>	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
(U) (U) (U)	AF RDT&E Other APPN Aircraft Procurement,AF, BA-5,C-5 Mods, Reliability Enhancement and	0	0	0	0	149,331	443,994	711,577	891,641	6,561,488	8,758,031
P	Project 4835				Page 11 of	f 15 Pages				Exhibit R-2A (P	E 0401119F)

	RDT&E BU	GET IT	EM JUS	TIFICAT	ION SH	EET (R-	2A Exhi	bit)	D	ATE Feb	ruary 20	03
•	GET ACTIVITY Operational System D	evelopm	ent		=	NUMBER AND 01119F (Squadro	ns			ROJECT 1835
	C. Other Program Funding S Re-engining Program, BP-11 Aircraft Procurement, AF,	FY 2002 Actual 4,035	in Thousand FY 2003 Estimate 52,492	FY 2004 Estimate 79,887	FY 2005 Estimate 81,267	FY 2006 Estimate 34,705	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	<u>Cost</u> <u>Compl</u> 239,50	<u>ete</u>	<u>Total Cost</u> 554,627
	BA-5, C-5 Mods, Avionics Modernization Program, BP-11											
	D. Acquisition Strategy Reliability Enhancement and R with the 50 B-models first. Sys opportunity to use commerciall support, so as to renew the wea assign responsibility, and execu program cost. Lockheed Martia and Goodrich (Pylon) as the martiness.	stem Develop y available c pon system u ite to achieve n Aero has be	oment & Den omponents a until 2040. T e AMC require een selected	nonstration (and processes the program are tements. RE	SDD) include to modernize acquisition st RP will use f	es 1 C-5A and e C-5 product rategy also se leet availabil	d 2 C-5Bs. To ts and procest eeks to consti- ity, ownersh	The program a ses to meet of ruct a govern ip cost, and s	acquisition str or exceed requ ment/industry ystem perforr	rategy is to control ired system partnership mance to bal	consider ever performance to identify ance solutio	ry e and solutions, ns against
(U)	E. Schedule Profile					FY 2002		FY 2	0002		FY 2004	
						<u>F Y 2002</u> 2 3	4 1		3 4	1	<u>F1 2004</u> 2 3	4
(U) (U) (U) (U)	Acquisition Strategy Panel (AS Pre-EMD Contract Award (FY Milestone B/DAB (FY02/1) SDD Contract Award (FY02/1)	(00/2)			*	. 3	7 .	2	J T	1	2 3	•
(U) (U) (U)	SDD Start (FY02/1) Preliminary Design Review (Pl Critical Design Review (CDR) First Prototype Flight (FY06/1 MS C (FY07/2) LRIP Installations Begin (FY0	(FY04/1))		*			X		X		
Р	roject 4835				Page 12 o	f 15 Pages				Exhibit R	-2A (PE 04	01119F)

	RDT&E BUDGET ITEM JUSTIFICAT	ION	SHEE	ET (R	-2A E	xhibit)		DAT	E Fel	oruary	2003	
=	GET ACTIVITY - Operational System Development				ND TITLE C-5 Ai	rlift Sc	quadro	ons	•			PROJ 483 :	
(U)	E. Schedule Profile Continued		FY	2002			FY :	2003			FY 2	2004	
(U)	SDD Complete (FY08/4) * = completed event X = planned event	1	2	3	4	1	2	3	4	1	2	3	4
F	Project 4835	Page	e 13 of 15	5 Pages					E	exhibit R	2-2A (PE	≣ 04011	19F)

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)									DATE February 2003		
	GET ACTIVITY Operational System	nt	PE NUMBER AND TITLE							PROJECT 4835	
(U)	A. Project Cost Breakdown	ı (\$ in Thousan	ds)								
							FY ?	2002	FY 200	03	FY 2004
(U)	System Engineering/Program	n Management					5.	,136	23,80	0	24,652
(U)	RERP Design/Development	_					58,	,662	150,85	6	197,476
(U)	Proof Fabrication/Install						12,	,520	44,10	00	55,598
(U)	Mission Support						6.	,004	4,57	'4	4,731
(U)	Government Test Support						3.	,168	6,98	36	8,050
(U)	Total						85,	,490	230,31	6	290,507
(U)	B. Budget Acquisition History	ory and Plannir	<u>ig Informatio</u>	on (\$ in Thousar	nds)						
(U)	Performing Organizations:										
	Contractor or	Contract									
	Government	Method/Type	Award or	Performing	Project						
	Performing	or Funding	Obligation	<u>Activity</u>	<u>Office</u>	Total Prior	Budget	Budget	Budget	Budget to	<u>Total</u>
	Activity	<u>Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>	to FY 2002	FY 2002	FY 2003	FY 2004	Complete	Program
	Product Development Organi	zations									
	Lockheed Martin Aero	FFP	Feb 00		47,075	47,075	0	0		0	47,075
	(Pre-EMD)										
	Lockheed Martin Aero (SDD) CPAF	Dec 01		1,364,770	3,100	72,318	204,756	277,726	806,870	1,364,770
	Support and Management Or	<u>ganizations</u>									
	WR-ALC/LA				6,792	600	2,054	1,012	1,042	2,084	6,792
	ASC/GRA				22,589	3,910	3,950	3,562	3,689	7,478	22,589
	Test and Evaluation Organiza	ations									
	418 Test Squadron (Edwards				35,849	3,645	3,168	6,986	8,050	14,000	35,849
	AFB)										
(U)	Government Furnished Pro	perty:									
		Contract									
		Method/Type	Award or								
	<u>Item</u>	or Funding	Obligation	<u>Delivery</u>		Total Prior	Budget	Budget	Budget	Budget to	<u>Total</u>
	Description	<u>Vehicle</u>	Date	Date		to FY 2002	FY 2002	FY 2003	FY 2004	Complete	<u>Program</u>
Р	roject 4835		Page 14 of 15 Pages						Exhibit R-3 (PE 0401119F)		

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE February 2003			
	SUDGET ACTIVITY D7 - Operational System Development				PE NUMBER AND TITLE 0401119F C-5 Airlift Squadrons					F	PROJECT 4835		
(U)	Item Description	Contract Method/Type or Funding Vehicle	Award or Obligation Date	<u>Delivery</u> <u>Date</u>		Total Prior to FY 2002	Budget FY 2002	Budget FY 2003	Budget FY 2004	Budget to Complete	<u>Total</u> <u>Program</u>		
	Product Development Proper Misc. Equipment, and Parts *** Miscellaneous Obligatio Support and Management Pro N/A Test and Evaluation Property N/A	MO/RD *** n/Reimburseme	9 Sep 02 nt Document	FY03-FY04			4,000	14,000			18,000		
	Subtotals Subtotal Product Developmer Subtotal Support and Manage Subtotal Test and Evaluation Total Project					Total Prior to FY 2002 50,175 4,510 3,645 58,330	Budget FY 2002 76,318 6,004 3,168 85,490	Budget FY 2003 218,756 4,574 6,986 230,316	Budget FY 2004 277,726 4,731 8,050 290,507	Budget to Complete 806,870 9,562 14,000 830,432	Total <u>Program</u> 1,429,845 29,381 35,849 1,495,075		
F	Project 4835			Paş	ge 15 of 15 Pag	es			Exhib	it R-3 (PE 04	101119F)		