PE NUMBER: 0604239F PE TITLE: F-22 EMD

e. Rescissions

	RDT&E BUDGET ITE	M JUSTI	FICATI	ON SH	EET (R	-2 Exhi	bit)		DATE	Februar	y 2003
	GET ACTIVITY System Development and Demon	stration (SDD)		IUMBER ANI)4239F		D				
	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	877,273	839,635	620,740	210,000	76,000	0	0	0	0	25,666,079
4069	Advanced Tactical Fighter FSD	728,403	839,635	620,740	210,000	76,000	0	0	0	0	24,085,499
4874	PRTVII Aircraft Acquisition	148,870	0	0	0	0	0	0	0	0	1,580,580
	Quantity of RDT&E Articles	3	6	0	0	0	0	0	0	0	0
(U)	A. Mission Description The F/A-22 is designed to penetrate enemy air observable, highly maneuverable airframe, adv The F/A-22 is currently in the Engineering and Initial Production (LRIP) Aug 01.	anced integra	ted avionic	s, and aeroc	lynamic per	formance tl	nat allows s	upersonic c	ruise witho	ut the use of	afterburner.
(U)	B. Budget Activity Justification This program is in Budget Activity 5, System I the USAF to counter emerging worldwide three	-	and Demon	stration, be	cause the F	/A-22 Progi	am is devel	loping the n	ext-generat	ion air dom	inance fighter for
(U)	C. Program Change Summary (\$ in Thousa	nds)									
(U) (U)	Previous President's Budget Appropriated Value				8	FY 2002 881,556 881,556	<u>FY 2</u> 627,2 627,2	266	<u>FY 2004</u> 250,000		<u>Total Cos</u> 24,801,255
(U)	Adjustments to Appropriated Value a. Congressional/General Reductions b. Small Business Innovative Research						-6,6	531			-9,070
	b. Small Business Innovative Research c. Omnibus or Other Above Threshold Reprogram d. Below Threshold Reprogram 219,000 219,000										

-4,283

-1,844

Exhibit R-2 (PE 0604239F)

	RDT&E BUDGET ITEM JUSTIFICATION	ON SHEET (R-2 Exhib	DATE February 2003		
	SET ACTIVITY System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604239F F-22 EMD		•	
(U)	C. Program Change Summary (\$ in Thousands) Continued	TV 2002	TV 2002	TV1 200 4	T 10
(U)	Adjustments to Budget Years Since FY 2003 PBR	<u>FY 2002</u>	FY 2003	<u>FY 2004</u> 370,740	<u>Total Cost</u> 656,705
(U)	Current Budget Submit/FY 2004 PBR	877,273	839,635	620,740	25,666,079
	EMD budget was increased in FY03 and FY04 to fund the increase in E FY03 reprograms FY03 RDT&E Modernization funds (PE 27138F) and EMD increase within F/A-22 Total Obligation Authority (TOA) by reali	d Production funds (PE 27219F) to o	complete this action		č č
		Page 2 of 15 Pages		Exhibit R-2	2 (PE 0604239F)

RDT&E BUDGET ITEM	RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)										
BUDGET ACTIVITY 05 - System Development and Demons	tration (SDD)	-	IUMBER AND 14239F)				PROJECT 4069	
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	
4069 Advanced Tactical Fighter FSD	728,403	839,635	620,740	210,000	76,000	0	0	0	0	24,085,499	

Unit cost of RDT&E articles not separately priced (NSP).

(U) A. Mission Description

The F/A-22 is designed to penetrate enemy airspace and achieve a first look, first kill capability against multiple targets. The F/A-22 is characterized by a low observable, highly maneuverable airframe, advanced integrated avionics, and aerodynamic performance that allows supersonic cruise without the use of afterburner. The F/A-22 is currently in the Engineering and Manufacturing Development (EMD) phase of acquisition. The Defense Acquisition Board (DAB) approved Low Rate Initial Production (LRIP) Aug 01.

The EMD phase effort includes delivery of nine flight test vehicles and two ground test vehicles (static and fatigue); delivery of 25 flight qualified engines; integration and test of the EMD avionics suite including air-to-surface provision; development and test of the F/A-22 weapons system support and training system; and updating the YF-22 Avionics Flying Laboratory with EMD assets and software to become an avionics integration Flying Test Bed (FTB).

This program is in Budget Activity 5, System Development and Demonstration, because the F/A-22 Program is developing the next-generation air dominance fighter for the USAF to counter emerging worldwide threats.

The following are representative activities of efforts being accomplished in the given fiscal year.

(U) <u>FY 2002 (\$ in Thousands)</u>

(U) \$0 Accomplishment/Planned Program

(U) \$431,237 Air Vehicle

- Completed full-scale airframe static testing. (NSP)
- Continued full-scale airframe structural testing and analysis. (NSP)
- Completed assembly of EMD aircraft #4007-4009. (NSP)

Project 4069 Page 3 of 15 Pages Exhibit R-2A (PE 0604239F)

^{*} Total Cost includes \$3,779,811,000 of Demonstration and Validation funding prior to FY 1992 funded in PE 0603230F.

^{**}EMD budget was increased in FY03 and FY04 to fund the increase in EMD Estimate at Completion. The already submitted Above Threshold Reprogramming for FY03 reprograms FY03 RDT&E Modernization funds (PE 27138F) and Production funds (PE 27219F) to complete this action. For FY04, USAF internally funded the EMD increase within F/A-22 Total Obligation Authority (TOA) by realigning F/A-22 Production funds (PE 27219F).

	RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit) DATE February									
	SET ACTIVITY System Dev	elopment and Demonstration (SDD)	PE NUMBER AND TITLE 0604239F F-22 EMD	PROJECT 4069						
(U)	A. Mission Desc	cription Continued								
(U)	FY 2002 (\$ in T)	housands) Continued - Continued flight test and flight test support. (NS - Continued structural certification analysis activity								
(U)	\$132,466	Avionics - Completed avionics software Block 3.0 flight test - Completed Avionics Integration Lab (AIL) Bloct - Completed Block 3.1.0 Flight Test Bed (FTB) tet - Initiated and completed avionics software Block - Initiated AIL Block 3.1.1 integration. (NSP) - Initiated Block 3.1.1 FTB testing. (NSP) - Continued incorporating avionics software/hardy - Continued Diminishing Manufacturing Sources (Completed Block 4.0 Bid & Proposal. (NSP)	ting. (NSP) k 3.1.0 integration. (NSP) sting. (NSP) 3.1.0 flight testing. (NSP) ware into the FTB. (NSP)	ivities. (NSP)						
(U)	\$18,300	 Engine Continued verification of engine support system Continued to test flight test engines. (NSP) Continued Verification Requirements Complete Continued production engine configuration deve Completed Initial Service Release (ISR) Milesto 	(VRC) activities. (NSP) lopment testing. (NSP)							
(U)	\$146,400	Other Government Cost - Continued flight test and flight test support at Ed - Continued aperture measurements at Rome Labs - Continued engine testing at Arnold Engineering - Completed live fire testing at Air Force Research - Mission support of the SPO; travel, computer co	wards AFB Development Center (AEDC). a Labs (AFRL).							
(U)	\$728,403	Total	so, mise contacts, etc.							
Р	roject 4069	I	Page 4 of 15 Pages	Exhibit R-2A (PE 0604239F)						

	RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit) February 2003										
	SET ACTIVITY System Deve	elopment and Demonstration (SDD)	PE NUMBER AND TITLE 0604239F F-22 EMD	PROJECT 4069							
(U)	A. Mission Desc	ription Continued									
(U)	FY 2003 (\$ in Th	ousands)									
(U)	\$0	Accomplishment/Planned Program									
(U)	\$331,900	Air Vehicle									
		- Continue full-scale airframe structural testing a	nd analysis. (NSP)								
		- Continue flight test and flight test support. (NS	(P)								
		- Continue structural certification analysis activit	ies. (NSP)								
(U)	\$276,500	Avionics									
		- Complete AIL Block 3.1.1 Integration. (NSP)									
		- Complete Block 3.1.1 FTB testing. (NSP)									
		- Initiate AIL Block 3.1.2 Integration. (NSP)									
		- Initiate and complete Block 3.1.2 FTB testing									
		- Initiate and complete DIOT&E OFP FTB testin	g. (NSP)								
		- Initiate DIOT&E OFP flight testing. (NSP)									
		- Completed incorporating avionics software/hard	· · ·								
		- Continued DMS redesign, requalification and re	etesting activities. (NSP)								
(U)	\$59,000	Engine									
		- Continue and complete verification of engine su	11 7								
		- Continue to support and test flight test engines.									
		- Continue Verification Requirements Complete									
		- Continue and complete production engine confi									
		- Adjust engine support capacity at Edwards AFI	B consistent with DIOT&E start date and flight te	st extension. (NSP)							
(U)	\$172,235	Other Government Cost									
		- Continue flight test and flight test support at Ed									
		- Continue aperture measurements at Rome Labs									
		- Continue engine testing at AEDC.									
		- Complete live fire testing at Air Force Research	· · · · · · · · · · · · · · · · · · ·								
		- Mission support of the SPO; travel, computer co	osts, misc contracts, etc.								
(U)	\$839,635	Total									
Р	roject 4069		Page 5 of 15 Pages	Exhibit R-2A (PE 0604239F)							

	RD'	T&E BUDGET ITEM JUSTIFICATION	ON SHEET (R-2A Exhibit)	DATE February 2003
•	GET ACTIVITY - System Dev	elopment and Demonstration (SDD)	PE NUMBER AND TITLE 0604239F F-22 EMD	PROJECT 4069
(U)	A. Mission Desc	cription Continued		
(U) (U) (U)	FY 2004 (\$ in T) \$0 \$226,300	housands) Accomplishment/Planned Program Air Vehicle - Complete full-scale airframe structural testing a - Continue structural certification analysis activit - Continue EMD flight test and flight test support - Continue EMD structural certification analysis	ies. (NSP) t. (NSP)	
(U)	\$216,600	Avionics - Complete DIOT&E OFP Flight Testing. (NSP) - Complete AIL Block 3.1.2 Integration. (NSP) - Initiate and complete AIL Block 3.1.3 Integration Continue DMS redesign, requalification and ret	on. (NSP)	
(U)	\$36,300	Engine - Complete support and test of flight test engines - Continue Verification Requirements Complete		
(U)	\$141,540	Other Government Cost - Support flight test and flight test support at Edw - Complete aperture measurements at Rome Labs - Complete engine testing at AEDC Mission support of the SPO; travel, computer or	vards AFB.	
(U)	\$620,740	Total	osts, mise contracts, etc.	
(U)	B. Project Char Not Applicable	nge Summary		
P	roject 4069		Page 6 of 15 Pages	Exhibit R-2A (PE 0604239F)

	RDT&E BU	DGET IT	EM JUS	TIFICA	TION SH	EET (R-	2A Exhi	bit)		DATE Februa i	ry 2003
	GET ACTIVITY - System Development	t and Den	nonstratio	on (SDD)	=	NUMBER AN 604239F)			PROJECT 4069
(U)	C. Other Program Funding	Summary (\$	in Thousan	<u>ds</u>)							
		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
(U) (U)	PRTV II (6) F/A-22 Squadrons RDT&E (PE 0207138F)	148,870	66,323	315,784	375,428	411,671	640,691	612,655	561,324	Continuing	1,580,580 TBD
(U)	F/A-22 Squadrons Procurement (PE 0207138F)		16,027	41,276	71,691	10,100	76,586	134,697	167,108	Continuing	TBD
(U)	Military Construction (PE 0604239F)	0	0	0	0	0	0	0	0	0	39,700
(U)	Military Construction (PE 0207219F)	53,442	42,576	0	0	0	0	0	0	0	96,018
(U)	Military Construction (PE 0207138F)			31,164	40,246	60,070	96,030	148,700	93,090	Continuing	TBD
(U)	Aircraft Procurement (PE 0207219F) Advanced Tactical Fighter, P-1 Line Item #003**	3,022,659	4,470,117	4,220,552	4,456,732	4,133,179	4,224,841	4,088,174	3,910,350	5,899,334	42,120,631
(U)	Munitions Procurement (PE 0207219F)	4,311	6,260	9,480	9,433	10,922	10,771	12,027	12,253	24,726	102,057
(U)	,	Operation, m	aintenance, a	nd logistical			-	31,971 iities and the	32,518 associated co	127,270 sts specifically ide	245,783 entified and
(U)	D. Acquisition Strategy The EMD contract is Cost Plu produce the F119 engines. Th					ystems (LMA	AS) to produc	ee the F/A-22	air vehicle ar	nd Pratt & Whitney	y (P&W) to

Project 4069

RDT&E BUDGET ITEM JUSTIFICATI	DAT	DATE February 2003						
GET ACTIVITY - System Development and Demonstration (SDD)	PE NUMBER A		•				PROJEC 4069	
E. Schedule Profile	FY 2002 1 2 3	4 1	<u>FY 2003</u> 2 3	4	1	<u>FY 2</u> 0	004 3	4
(U) Aircraft Delivered (EMD Test Article)(U) Aircraft Delivered (EMD Test Article)	* *							
T&E Milestones - Dedicated IOT&E				X				
EMD = Engineering and Manufacturing Development, DAB = Defense DT&E = Developmental Test & Evaluation, IOT&E = Initial Operation		RIP = Low Rate I	nitial Production	n, LL = Lo	ong Lead	I, MS = M	lilestone,	
NOTE: Schedule is according to current A/C build schedule.	nai Test & Evaluation							
* - Completed X - Planned Event								

	RDT&E PRO	GRAM ELE	MENT/P	ROJECT	COST B	REAKDO	WN (R-3)		DATE F (ebruary 2	003
-	SET ACTIVITY System Developme	nt and Demo	nstration	(SDD)		BER AND TITLE 39F F-22 E	MD			-	PROJECT 4069
(U)	A. Project Cost Breakdov	vn (\$ in Thousan	ds)								
							<u>FY :</u>		FY 20		FY 2004
(U)	Air Vehicle/Avionics						563,		608,40		442,900
(U)	Engine						18,	300	59,00	00	36,300
(U)	Government Cost									_	
(U)	- Government Test						132,		150,83		131,940
(U)	- Mission Support							500	17,50		7,000
(U)	- GFE							700	3,90		2,600
(U)	Total						728,	403	839,63	5	620,740
(U)	B. Budget Acquisition His	tory and Plannir	<u>ig Informatio</u>	n (\$ in Thousa	nds)						
(U)	Performing Organizations	<u>s:</u>									
	Contractor or	Contract									
	Government	Method/Type	Award or	<u>Performing</u>	<u>Project</u>						
	Performing	or Funding	Obligation	<u>Activity</u>	<u>Office</u>	Total Prior	<u>Budget</u>	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	<u>Progran</u>
	Product Development Orga										
	Lockheed (Air Veh)	C/CPAF	Aug 91	16,465,608	16,465,608	14,653,105	563,703	608,400	442,900	197,500	16,465,608
	Pratt & Whitney	C/CPFF	Aug 91	2,502,479	2,502,479	2,385,279	18,300	59,000	36,300	3,600	2,502,479
	Support and Management C										
	Support Contracts	Various	Various	N/A	N/A	15,104	1,500	1,500	1,500	1,500	21,104
	In House Support	Various	Various	N/A	N/A	114,096	10,000	16,000	5,500	5,500	151,096
	Test and Evaluation Organi			NT/A	NT/A	155 400	0	2.000	0	0	150 400
	AEDC AFFTC	PO		N/A	N/A	155,400	0	3,000	0	0 75 200	158,400
		PO Various	Various	N/A	N/A	352,939	131,179	140,835	126,940	75,300	827,193
	All Other Tests	various	v arious	N/A	N/A	98,987	1,021	7,000	5,000	0	112,008
P	roject 4069			р	age 9 of 15 Pa	nges			Exhib	it R-3 (PE 0	1604239F)

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3) DATE February 2003											
BUDGET ACTIVITY 05 - System Develo	pment and Dem	onstration	(SDD)	PE NUMBER AND T 0604239F F-2					PROJECT 4069		
(U) Government Furnis											
	<u>Contract</u> Method/Type	Award or									
Item	or Funding	Obligation	Delivery	Total P	rior Budge	t Budget	Budget	Budget to	Tota		
<u>Description</u>	Vehicle	Date	Date	to FY 2			FY 2004	Complete	Progran		
Product Developmen								•			
GFE	Various	Various	Various	56,0	00 2,700	3,900	2,600	2,600	67,800		
Support and Manager											
Test and Evaluation I	Property										
Not Applicable				Total P	rior Budge	t Budget	Budget	Budget to	Total		
Subtotals				to FY 2			FY 2004	Complete	Prograi		
Subtotal Product Dev	elopment			17,094,3			481,800	203,700	19,035,88		
Subtotal Support and	_			129,2	00 11,500	17,500	7,000	7,000	172,200		
Subtotal Test and Eva	aluation			607,3	,		131,940	75,300	1,097,601		
Total Project				17,830,9	,		620,740	286,000	20,305,688		
	m cost for Engineering	and Manufact	turing Develop	ment only. Does not incl	ude \$3,779,811,	000 of Demons	tration and Va	lidation fund	ing prior to		
FY92.											
Project 4069			P	age 10 of 15 Pages			Exhib	it R-3 (PE 0	604239F)		

COST (\$ in Thousands) PRTVII Aircraft Acquisition Mission Description mplete test aircraft to support continued to be program to demons lowing successful completion of all CYS is program is in Budget Activity 5, Syste USAF to counter emerging worldwide to	FY 2002 Actual 148,870 F/A-22 development maturity prices 99 DAE criteria, m Development	FY 2003 Estimate 0 ment and proior to a cont the Air Ford	FY 2004 Estimate 0 oduction. Taract award.		FY 2006 Estimate 0	FY 2007 Estimate 0		•		OUSD (A&T) o
PRTVII Aircraft Acquisition Mission Description mplete test aircraft to support continued and Dec 98, required the program to demons lowing successful completion of all CYS is program is in Budget Activity 5, Systems	Actual 148,870 F/A-22 development rate maturity pri 99 DAE criteria, m Development	Estimate 0 ment and proior to a cont the Air Force	Estimate 0 oduction. Tract award.	Estimate 0 The PRTV II	Estimate 0 I (6) Full Co	Estimate 0 ontract Awa	Estimate 0 ard (Dec 99)	Estimate 0) criteria, ap	Complete 0	1,580,586 DUSD (A&T) o.
Mission Description mplete test aircraft to support continued and Dec 98, required the program to demons lowing successful completion of all CYS as program is in Budget Activity 5, Syste	F/A-22 developm trate maturity pri 99 DAE criteria, m Development	ment and proior to a cont	oduction. T tract award.	The PRTV II	I (6) Full Co	ontract Awa	ard (Dec 99)) criteria, ap	pproved by C	OUSD (A&T) o
mplete test aircraft to support continued and Dec 98, required the program to demons allowing successful completion of all CYS is program is in Budget Activity 5, Systematics.	trate maturity pri 99 DAE criteria, m Development	ior to a cont	tract award. ce awarded					•		
		and Daman								
	hreats.	and Demon	stration, be	ecause the F	/A-22 Progr	am is devel	oping the n	ext-generat	tion air domi	nance fighter f
2002 (\$ in Thousands) Accomplishment/Pla 48,568 Air Vehicle 02 Engine Other Government C	-									
2003 (\$ in Thousands) Accomplishment/Pla No Activity Total	nned Program									
2004 (\$ in Thousands) Accomplishment/Pla	nned Program									
	Accomplishment/Pla No Activity Total 2004 (\$ in Thousands) Accomplishment/Pla	Accomplishment/Planned Program No Activity Total 2004 (\$ in Thousands) Accomplishment/Planned Program No Activity	Accomplishment/Planned Program No Activity Total 2004 (\$ in Thousands) Accomplishment/Planned Program No Activity	Accomplishment/Planned Program No Activity Total 2004 (\$ in Thousands) Accomplishment/Planned Program No Activity	Accomplishment/Planned Program No Activity Total 2004 (\$ in Thousands) Accomplishment/Planned Program No Activity	Accomplishment/Planned Program No Activity Total 2004 (\$ in Thousands) Accomplishment/Planned Program No Activity	Accomplishment/Planned Program No Activity Total 2004 (\$ in Thousands) Accomplishment/Planned Program	Accomplishment/Planned Program No Activity Total 2004 (\$ in Thousands) Accomplishment/Planned Program No Activity	Accomplishment/Planned Program No Activity Total 2004 (\$ in Thousands) Accomplishment/Planned Program No Activity	Accomplishment/Planned Program No Activity Total 2004 (\$ in Thousands) Accomplishment/Planned Program No Activity

Exhibit R-2A (PE 0604239F)

Not Applicable

Project 4874

	RDT&E BU	DGET IT	EM JUS	TIFICA	TION SH	EET (R-	2A Exhi	bit)		DATE Februa	ry 2003
	GET ACTIVITY - System Developmen	t and Den	nonstratio	on (SDD)	-	NUMBER AN 604239F	D TITLE F-22 EMD)	•		PROJECT 4874
(U)	C. Other Program Funding	Summary (\$	in Thousan	ds)							
		FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Cost to	Total Cost
(U)	AF RDT&E	<u>Actual</u> 728,403	Estimate 839,635	Estimate 620,740	Estimate 210,000	Estimate 76,000	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	Complete	24,085,499
(U)		,	66,323	315,784	375,428	411,671	640,691	612,655	561,324	Continuing	TBD
(U)	F/A-22 Squadrons Procurement (PE 0207138F)		16,027	41,276	71,691	10,100	76,586	134,697	167,108	Continuing	TBD
(U)	Military Construction (PE 0604239F)	0	0	0	0	0	0	0	0	0	39,700
(U)	Military Construction (PE 0207219F)	53,442	42,576	0	0	0	0	0	0	0	96,018
(U)	Military Construction (PE 0207138F)			31,164	40,246	60,070	96,030	148,700	93,090	Continuing	TBD
(U)	Aircraft Procurement (PE 0207219F) Advanced Tactical Fighter, P-1 Line Item #003**	3,022,659	4,470,117	4,220,552	4,456,732	4,133,179	4,224,841	4,088,173	3,910,350	5,899,334	42,120,631
(U)		4,311	6,260	9,480	9,433	10,922	10,771	12,027	12,253	24,726	102,057
(U)	F/A-22 Link 16 Transmit Procurement (PE 27445F)					26,483	27,541	31,971	32,518	127,270	245,783
(U)		Operation, ma	aintenance, a	nd logistical			•	ties and the a	associated cos	sts specifically ide	ntified and
(U)	D. Acquisition Strategy The PRTV II contract is Firm produce the F119 engines. The				-	stems (LMAS	S) to produce	the F/A-22 a	air vehicle an	d Pratt & Whitney	(P&W) to

Exhibit R-2A (PE 0604239F)

Project 4874

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)							DAT	DATE February 2003					
=	GET ACTIVITY - System Development and Demonstration (SDD)				ND TITLE F-22 E	MD					-	PROJ 487	
(U)	E. Schedule Profile		FY 2002 FY 2003						FY 2	2004			
(U)	Aircraft Delivered (PRTV II Test Article) Aircraft Delivered (PRTV II Test Article) Aircraft Delivered (PRTV II Test Article) NOTE: Schedule is according to current A/C delivery schedule. * - Completed X - Planned	1	2	3	4	1 **	2 X X X	3 X X	4	1	2	3	4
F	Project 4874	Page	e 13 of 15	5 Pages					E	Exhibit F	R-2A (PI	E 06042	39F)

	RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE February 2003		
BUDGET ACTIVITY 05 - System Development and Demo			pe NUMBER AND TITLE 0604239F F-22 EM				MD				PROJECT 4874		
(U)	A. Project Cost Breakdown	(\$ in Thousand	<u>ds</u>)				FY ?	2002	FY 200	13	FY 2004		
(U)	Air Vehicle						148,			0	0		
(U)	Engine						,	302		0	0		
(U)	Other Government Cost							0		0	0		
(U)	Total						148,	-		0	0		
(U)	B. Budget Acquisition Histo	orv and Plannin	ng Informatio	on (\$ in Thousa	nds)		1.0,	0.0		•	Ü		
(U)	Performing Organizations:			(+									
(-)	Contractor or	Contract											
	Government	Method/Type	Award or	Performing	<u>Project</u>								
	Performing	or Funding	Obligation	Activity	Office	Total Prior	Budget	Budget	Budget	Budget to	Total		
	Activity	Vehicle	Date	EAC	EAC	to FY 2002	FY 2002	FY 2003	FY 2004	Complete	Program		
	Product Development Organi	zations											
	Lockheed (Air Veh)	FFP	Dec 99	1,393,956	1,393,956	1,245,388	148,568	0	0	0	1,393,956		
	Pratt & Whitney	FFP	Dec 99	180,402	180,402	180,100	302	0	0	0	180,402		
	Support and Management Or	ganizations											
	N/A	N/A	N/A	N/A	N/A								
	Test and Evaluation Organiza	ations											
	N/A	N/A	N/A	N/A	N/A								
(U)	Government Furnished Pro	perty:											
		Contract											
		Method/Type	Award or										
	<u>Item</u>	or Funding	Obligation	<u>Delivery</u>		Total Prior	Budget	<u>Budget</u>	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												
	GFE	Various	Various	Various		6,222	0	0	0	0	6,222		
	Support and Management Pro	-											
	Not Applicable	N/A	N/A	N/A									
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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)								DATE February 2003			
	GET ACTIVITY - System Development and De	PE NUMBER AND TITLE 0604239F F-22 E		PROJECT 4874							
	Government Furnished Property Contact and Evaluation Property Not Applicable N/A Subtotals Subtotal Product Development Subtotal Support and Management Subtotal Test and Evaluation Total Project		Total Prior to FY 2002 1,431,710 1,431,710	Budget FY 2002 148,870	Budget FY 2003 0	Budget FY 2004 0	Budget to Complete 0	Total Program 1,580,580 1,580,580			
F	Project 4874	1	Page 15 of 15 Pages			Exhib	it R-3 (PE 06	604239F)			