PE NUMBER: 0207134F PE TITLE: F-15E SQUADRONS

Exhi	bit R-2, RDT	&E Budge	t Item Just	ification			DATE	February	2004
BUDGET ACTIVITY 07 Operational System Development				E NUMBER AND 207134F F-15		NS		rebiualy	2004
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	70.749	122.436	115.246	96.590	100.129	98.085	99.577	Continuing	TB
1131 Initial Operational Test and Evaluation	70.749	122.436	115.246	96.590	100.129	98.085	99.577	Continuing	TB
U) <u>A. Mission Description and Budget Ite</u> The F-15E is the most versatile fighter in arrive combat-ready. The F-15E retains the requirement for all-weather, deep per improved to maintain its superiority agai capabilities. Avionics updates (exploitin integrated electronic warfare suite. This proposal prep, the F-15E PE also funds F	the world today air superiority ca netration, and nig nst the threat we g proven technol will increase the	pability and ad ht/under-the-w ll into the 21st ogical advance offensive and	lds systems, suc reather, air-to-s century. The tl es) will be incon defensive capa	ch as Low Altit urface attack. ' hreat includes a rporated into th bility and survi	tude Navigatior The F-15E's av a new generatio a F-15E provid	and Targeting ionics, armame n of aircraft po ing expanded o	Infrared for N ent, airframe, an ossessing all-we capability and s	ight (LANTIR) nd engines mus eather detection supporting a ful	N), to meet t be and kill ly
U) <u>B. Program Change Summary (\$ in M</u>	<u>illions)</u>					<u>FY 2003</u>	EV	2004	<u>FY 2005</u>
U) Previous President's Budget						60.363		2 <u>004</u> 2.085	<u>112005</u> 115.547
J) Current PBR/President's Budget						70.749		.436	115.246
J) Total Adjustments						10.386		0.351	
U) Congressional Program Reductions						0.000			
Congressional Rescissions							-1	.049	
Congressional Increases							11	.400	
Reprogrammings						12.725			
SBIR/STTR Transfer						-2.339			
U) <u>Significant Program Changes:</u> Funding (FY03):									
FY03 increase from reprogramming action	on for continued	EW Developm	ent on Miniatu	re Air Launche	d Decoy Progra	am.			
Funding (FY04):									
FY04 increase from Congressional Mark	s in support of F	-15 C/D Radar	Block Upgrade	e, Advanced Di	splay Core Pro	cessor (ADCP)) Development	t and Radar Wa	rning
		R-1.Sho	onina l ist - Item M	No. 128-2 of 128-	-10			Exhibit R-2 (I	PF 0207134F

1277

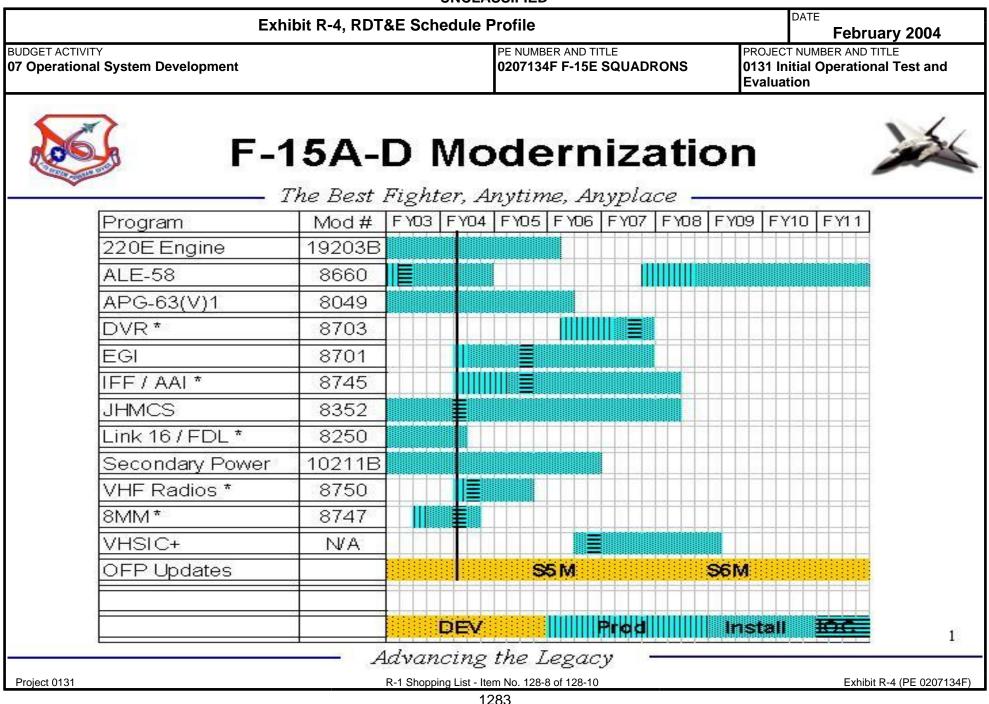
	Budget Item Justification	DATE February 2004		
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207134F F-15E SQUADRONS			
Receiver Upgrades.				
	R-1 Shopping List - Item No. 128-3 of 128-10	Exhibit R-2 (PE 0207134F)		

	Exhibit R-	-2a, RDT&E	Project Just	ification			DATE	February	2004
BUDGET ACTIVITY 07 Operational System Develop	oment			PE NUMBER AND 0207134F F-1		ONS		BER AND TITLE Dperational T	
Cost (\$ in Million	s) FY 20 Actu			FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
0131 Initial Operational Test and Evaluation	1	0.749 122			100.129	98.085		Continuing	TBD
Quantity of RDT&E Articl	es	0	0	0 0	0	0	0		
(U) <u>A. Mission Description and I</u> The F-15E is the most versatile arrive combat-ready. The F-15 the requirement for all-weather improved to maintain its super capabilities. Avionics updates integrated electronic warfare s proposal prep, the F-15E PE all	e fighter in the world 5E retains air superio r, deep penetration, a iority against the thr (exploiting proven t uite. This will increa	I today. Configu ority capability and and night/under-t eat well into the rechnological adv ase the offensive	nd adds systems, s he-weather, air-to 21st century. The vances) will be ind and defensive cap	such as Low Alti o-surface attack. e threat includes corporated into the pability and surve	tude Navigatio The F-15E's av a new generatione F-15E provid	n and Targetin vionics, arman on of aircraft p ding expanded	g Infrared for N nent, airframe, a ossessing all-w capability and	Night (LANTIR and engines must eather detection supporting a fu	N), to meet st be n and kill illy
(U) B. Accomplishments/Planned			2071301,1 13711			F	<u> </u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Operational Flight Program (OF	e						33.039	54.699	82.008
(U) Flight testing of improvements	· •						12.522	18.730	19.638
(U) Development of ADCP (former	ly OFP effort).						12.480	15.619	
(U) Integration of Joint Helmet Mor		n (JHMCS).					0.273	0.104	
(U) Development of Tactical Electron Insertion Program (TTIP)	onic Warfare System	n (TEWS) Interm	ediate Support Sy	vstem (TISS) Teo	chnology			6.775	6.000
(U) Development of Radar Warning	g Receiver Upgrade							2.304	5.000
(U) F-15C/D Active Electronically	•	SA) Radar Block	Upgrade				10.100	21.605	0.000
(U) F-15E AESA Radar Block Upg							0.400	0.500	0.500
(U) Mission Support, Other Govern	ment Cost						1.935	2.100	2.100
(U) Total Cost						,	70.749	122.436	115.246
(U) <u>C. Other Program Funding S</u>	<u>ummary (\$ in Milli</u>	<u>ions)</u>							
	<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>	Cost to	Total Cost
	<u>Actual</u>	<u>Estimate</u>	Estimate	Estimate	<u>Estimate</u>	Estimate	Estimate	<u>Complete</u>	<u>10101 C051</u>
(U) AF RDT&E									
(U) Other APPN									
(U) Aircraft Procurement (3010F),									
Project 0131		R-1	Shopping List - Iter	m No. 128-4 of 128	-10			Exhibit R-2a	(PE 0207134F)
			12	79					

		Exhibit R-2	2a, RDT&E I					DATE		
					PE NUMBER AN			PROJECT NUM		
07 (Operational System Developme	nt			0207134F F-	15E SQUADRO	JNS	Evaluation	perational Tes	t and
(U)	C. Other Program Funding Summ	<u>nary (\$ in Millio</u>	<u>ns)</u>							
	Line Item 5, F-15E (PE27134F) [BP 10] Aircraft Procurement (3010F),									
(U)	Line Item 27, F-15A-E (PEs 27130F and 27134F) [BP 11]	272.771	192.493	111.411	108.628	66.930	36.948	5.778	Continuing	TBD
(U)	Aircraft Procurement (3010F) F-15E (PE84731F) General Skills Training [BP11] Aircraft Procurement (3010F)	1.263								1.263
(U)	F-15 (PE27434F) Link 16 Support and Sustainment [BP11]		0.040							
(U)	Aircraft Procurement (3010F) F-15E (PE89731F) Training Support to Units [BP11]				2.061	1.260			Continuing	TBD
(U)	Aircraft Procurement (3010F), Line Item 66, F-15A-E [BP 13] Aircraft Procurement (3010F)	7.279	7.238	13.407	12.927	103.527	1.001	2.406	Continuing	TBD
(U)	F-15E (PE27445F) Fighter Tactical Data Link [BP11]		7.755	70.191	66.524	40.344				
(U)	D. Acquisition Strategy Program is a continuation of effort analysis, and test.	which includes th	ne development	of all F-15 mod	lels. Funds are e	xecuted organica	lly in support	of equipment in	nprovement, study	7,
Prc	ect 0131		<u>R-1</u>	Shopping List - I	tem No. 128-5 of 12	8-10			Exhibit R-2a (PE	<u>02071</u> 34F)

E	xhibit R-3, RD	T&E Project Cost	Analysi	S					DATE	Februa	rv 200)4
BUDGET ACTIVITY 07 Operational System Development		PE NUMBER AND TITLE PRO 0207134F F-15E SQUADRONS 013				0131	February 2004 PROJECT NUMBER AND TITLE 0131 Initial Operational Test and Evaluation					
(U) <u>Cost Categories</u>	Contract Method	Performing Activity &	Total	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	Cost to	<u>Total</u>	Target
(Tailor to WBS, or System/Item Requirements)	<u>& Type</u>	Location	Prior to FY 2003	<u>2003</u> <u>Cost</u>	<u>2003</u> <u>Award</u>		<u>2004</u> <u>Award</u>	<u>2005</u> <u>Cost</u>	<u>2005</u> <u>Award</u>	<u>Complete</u>	<u>Cost</u>	Value of Contrac
(\$ in Millions) (U) <u>Product Development</u>			<u>Cost</u>		<u>Date</u>		<u>Date</u>		<u>Date</u>			
OFP Suite 4/5/6/7 Development	CPAF	Boeing, St Louis	184.013	33 039		54.699		82.008		Continuing	TBD	
Boeing (JHMCS A-D)	CPAF	Boeing, St Louis	9.483		Mar-03	0.104 F	Feb-04	02.000		0.000	9.860	
Smart Weapons Integration	CPAF	Doeing, St Louis	14.929	0.275	iviai 05	0.104 1	00 04				14.929	
ADP(E)	CPAF		2.846							0.000	2.846	
ADCP(E)	CPAF	Boeing, St Louis		12.480	Mar-03	15.619 J	an-04				52.040	
NGA (ALQ-135 Band 1.5)	FFP	200mg, 2020ans	35.440	12		101017 0					35.440	
Link-16 Data Link	CPAF		19.400								19.400	
TISS TTIP	CPFF		0.000			6.775 F	Feb-04	6.000	Feb-05		12.775	
Boeing/Raytheon ECCM	CPAF		1.194							0.000	1.194	
F-15 C/D AESA Radar Block Upgrade	CPFF	Boeing, St Louis		10.100	Jul-03	21.605 F	Feb-04				34.705	
F-15 E AESA Radar Block Upgrade	CPFF	Boeing. St Louis	3.931		Jan-04	0.500 J		0.500	Jan-05		5.331	
Radar Warning Receiver Upgrade	TNM	Boeing, St Louis	0.000			2.304 J			Feb-05		7.304	
Subtotal Product Development		6,	298.177	56.292		101.606		93.508		Continuing	TBD	
Remarks:												
(U) <u>Support</u>		WDAED OU	16 709	1 0 2 5		2 100		2 100		0.000	22 042	
(Msn Spt) Misc.		WPAFB, OH	16.708	1.935		2.100		2.100 2.100			22.843 22.843	
Subtotal Support Remarks:			16.708	1.935		2.100		2.100		0.000	22.843	0.000
(U) <u>Test & Evaluation</u>	FED	Desine Ct Levie	(5 47)	10 ((5	Mar 02	12 500 N	I an 04	12 500	Mar 05	Continuina	TDD	
Boeing (Flt Test)	FFP	Boeing, St Louis		10.665		12.500 N 0.200 N				Continuing		
Edwards Eglin (Flt Test)	PO PO	Edwards AFB, CA Eglin AFB, FL	45.357 14.659		Mar-03 Mar-03	0.200 N 6.030 F				Continuing Continuing	TBD TBD	
Subtotal Test & Evaluation	rU	Egilli AFD, FL	14.659		wiai-03	6.030 F 18.730	0-04	0.938		-	TBD	
Remarks:			123.400	12.322		10.730		19.038		Continuing	IDD	0.000
(U) <u>Management</u>												
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000 0.000	
Remarks:												
Project 0131		R-1 Shopping List - I	tem No. 128-6	6 of 128-10)					Exhibit R	-3 (PE 02	207134F)

Exhibit R-3, RDT&E Project Cost Analysis February 2004								
UDGET ACTIVITY 7 Operational System Development U) Total Cost	PE NUMBER AND TITLE 0207134F F-15E SQ		PROJECT NUMBER AND TITLE 0131 Initial Operational Test and Evaluation					
Total Cost	440.373 70.749	122.436	115.246	Continuing	TBD 0.0			
Project 0131	R-1 Shopping List - Item No. 128-7 of 128-10 1282			Exhibit R-	3 (PE 0207134F			



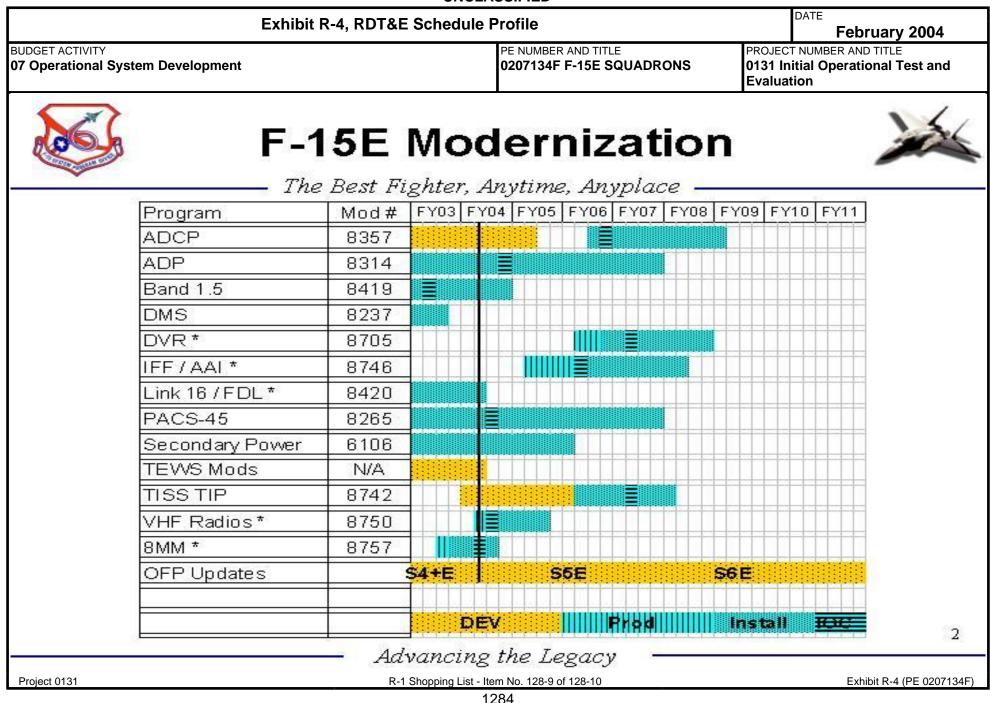


Exhibit R-4a, RD	DATE Febru	ary 2004		
BUDGET ACTIVITY D7 Operational System Development	PE NUMBER AND TITLE 0207134F F-15E SQUADRONS	PROJECT NUMBER AND TITLE 0131 Initial Operational Test an Evaluation		
U) <u>Schedule Profile</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	
U) Smart Weapons DT&E complete	1Q			
U) OFP Suite 5 DT&E - start		3Q		
U) OFP Suite 5 DT&E - complete			1Q	
U) OFP Suite 5 CDR-MSIP	3Q			
U) OFP Suite 5 CDR-E	2Q			
U) OFP Suite 6 Phase 1 Start		3Q		
U) ADCP EMD Flight Test Start	3Q			
U) ADCP EMD Flight Test Complete		1Q		
U) ADCP Tech Roll Flight Test Start		4Q		
U) ADCP Tech Roll Flight Test Complete			1Q	
U) ADCP P3I Start	4Q			
U) ADCP P3I complete			2Q	
U) ECCM EMD complete	3Q			
U) Flight Test Radar Instrumentation Upgrade Start	1Q			
U) Flight Test Radar Instrumentation Upgrade Complete			3Q	
U) TISS Replacement EMD start		2Q		
Project 0131	R-1 Shopping List - Item No. 128-10 of 128-10	Exhibit l	R-4a (PE 0207134	