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

	Ex	hibit R-2, I	RDT&E Bu	ıdget Item	Justifica	tion			DATE	February 2	2005
	T ACTIVITY erational System Development					BER AND TITLE 4 <b>4F F-15E S</b> O					
	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	120.483	131.279	124.647	124.694	104.674	231.009	157.941	115.793	Continuing	TBD
0131	Initial Operational Test and Evaluation	120.483	131.279	88.553	108.391	104.674	95.807	98.377	94.821	Continuing	TBD
4703	F-15E	0.000	0.000	36.094	16.303	0.000	135.202	59.564	20.972	0.000	0.000

The FY03 National Defense Authorization Act (NDAA) language directed T&E centers to charge only direct costs beginning in FY06; this resulted in a zero-balance transfer (ZBT) of funding over the FYDP from the customer accounts (for indirect test costs) to T&E support, PE 65807F.

#### (U) A. Mission Description and Budget Item Justification

The F-15E is the most versatile fighter in the world today. Configured with conformal fuel tanks (CFTs), the F-15E can deploy worldwide with minimal tanker support and arrive combat-ready. The F-15E retains air superiority capability and adds systems, such as Low Altitude Navigation and Targeting Infrared for Night (LANTIRN), to meet the requirement for all-weather, deep penetration, and night/under-the-weather, air-to-surface attack. The F-15E's avionics, armament, airframe, and engines must be improved to maintain its superiority against the threat well into the 21st century. The threat includes a new generation of aircraft possessing all-weather detection and kill capabilities. Avionics updates (exploiting proven technological advances) will be incorporated into the F-15E providing expanded capability and supporting a fully integrated electronic warfare suite. This will increase the offensive and defensive capability and survivability of the F-15E. In addition to funding special studies and proposal prep, the F-15E PE also funds RDT&E activities for PE 0207130F, F-15A-D.

The F-15E program, PE 27134F, is assigned budget activity (BA) code 07 because this developmental work upgrades an existing weapons system.

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

1		<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
١	(U) Previous President's Budget	122.436	115.246	96.590	100.129
ı	(U) Current PBR/President's Budget	120.483	131.279	124.647	124.694
١	(U) Total Adjustments	-1.953	16.033		
١	(U) Congressional Program Reductions		-1.167		
١	Congressional Rescissions				
١	Congressional Increases		17.200		
١	Reprogrammings	-0.849			
١	SBIR/STTR Transfer	-1.104			

### (U) Significant Program Changes:

Funding (FY05):

FY05 congressional increases from FY05PBR to FY06PBR in support of the F-15 C/D Radar Block Upgrade (\$14.6M) and Radar Warning Receiver (\$2.6M)

R-1 Shopping List - Item No. 131-1 of 131-15

Exhibit R-2 (PE 0207134F)

	ONOLAGON ILD	DATE
	Budget Item Justification	February 2005
SUDGET ACTIVITY  77 Operational System Development	PE NUMBER AND TITLE 0207134F F-15E SQUADRONS	
Funding (FY06):	•	
FY06 Air Force increases from FY05PBR to FY06PBR in suppo Air Force program reduction of \$4.839M for Test & Evaluation f	ort of F-15 C/D Radar Block Upgrade (\$13.400M) and Mode S/5 IFI funding realignment.	F for CAF Aircraft (\$22.500M). FY06
Funding (FY07):		
FY07 Air Force increases from FY05PBR to FY06PBR in suppo	ort of F-15C Avionics Replacement (\$4.900M) and Mode S/5 IFF fo	r CAF Aircraft (\$16.000M).
	R-1 Shopping List - Item No. 131-2 of 131-15	Exhibit R-2 (PE 0207134F)

	E	Exhibit R-2	2a, RDT&E	Project J	ustificatio	on			DATE	February 2	2005
	T ACTIVITY erational System Development			PE NUMBER AND TITLE  0207134F F-15E SQUADRONS  PROJECT NUMBER AND TITE  0131 Initial Operational Evaluation					st and		
	Cost (\$ in Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Cost to	Total
	Cost (\$ III I/IIIIons)	Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Complete	
0131	Initial Operational Test and Evaluation	120.483	131.279	88.553	108.391	104.674	95.807	98.377	94.821	Continuing	TBD
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

#### (U) A. Mission Description and Budget Item Justification

The F-15E is the most versatile fighter in the world today. Configured with conformal fuel tanks (CFTs), the F-15E can deploy worldwide with minimal tanker support and arrive combat-ready. The F-15E retains air superiority capability and adds systems, such as Low Altitude Navigation and Targeting Infrared for Night (LANTIRN), to meet the requirement for all-weather, deep penetration, and night/under-the-weather, air-to-surface attack. The F-15E's avionics, armament, airframe, and engines must be improved to maintain its superiority against the threat well into the 21st century. The threat includes a new generation of aircraft possessing all-weather detection and kill capabilities. Avionics updates (exploiting proven technological advances) will be incorporated into the F-15E providing expanded capability and supporting a fully integrated electronic warfare suite. This will increase the offensive and defensive capability and survivability of the F-15E. In addition to funding special studies and proposal prep, the F-15E PE also funds RDT&E activities for PE 0207130F, F-15A-D.

The F-15E program, PE 27134F, is assigned budget activity (BA) code 07 because this developmental work upgrades an existing weapons system.

( <b>U</b> )	B. Accomplishments/Planned Program (\$ in Millions)		FY 200	<u>04</u> <u>F</u>	<u> 2005</u>	FY 2006	<u>FY 2007</u>
(U)	Operational Flight Program (OFP) development efforts.		59.39	94	77.822	60.619	76.731
(U)	Flight testing of improvements initiated in prior years.		17.54	48	17.863	18.134	20.760
(U)	Development of ADCP (formerly OFP effort).		13.50	00	10.056		
(U)	Development of Tactical Electronic Warfare System (TEWS) Intermediate Support S	System (TISS)	3.59	97	6.426	7.200	2.800
	Technology Insertion Program (TTIP)						
(U)	Development of Radar Warning Receiver Upgrade		2.29	94	2.496		
(U)	F-15C/D Active Electronically Scanned Array (AESA) Radar Block Upgrade		21.60	05	14.016		
(U)	F-15E AESA Radar Block Upgrade		0.50	00	0.500	0.500	0.500
(U)	F-15 Avonics Replacement development efforts						4.900
(U)	Mission Support, Other Government Cost		2.04	45	2.100	2.100	2.700
(U)	Total Cost		120.48	33 13	31.279	88.553	108.391
(U)	C. Other Program Funding Summary (\$ in Millions)						
	<u>FY 2004</u> <u>FY 2005</u> <u>FY 2006</u> <u>FY 20</u>	007 <u>FY 2008</u>	FY 2009	FY 2010	FY 2011	Cost to	Tatal Cast
	Actual Estimate Estimate Estim	nate Estimate	<b>Estimate</b>	<b>Estimate</b>	<b>Estimate</b>	Complete	Total Cost
(U)	AF RDT&E					_	
(U)	Other APPN						
(U)	Aircraft Procurement						
Pro	ject 0131 R-1 Shopping List - Ite	m No. 131-3 of 131-15				Exhibit R-2a (F	PE 0207134F)
		4-		•	•		•

	Exhibit	R-2a, RDT	&E Projec	t Justificat	ion			DATE	February 2	2005
UDGET ACTIVITY  7 Operational System Developn	DJECT NUMBER AND TITLE 11 Initial Operational Test and aluation									
U) <u>C. Other Program Funding Sun</u> (3010F), Line Item 5, F-15E (PE27134F) [BP 10]	mmary (\$ in M	(illions)								
Aircraft Procurement (3010F), Line Item 27, F-15A-E (PEs 27130F and 27134F) [BP 11]	180.250	138.667	81.644	57.567	78.632	51.586	126.487	140.027	Continuing	TBD
Aircraft Procurement (3010F)  J) F-15E (PE84731F) General  Skills Training [BP11]  Aircraft Procurement (3010F)										1.263
F-15 (PE27434F) Link 16 Support and Sustainment [BP11] Aircraft Procurement (3010F)	0.040									0.040
J) F-15E (PE89731F) Training Support to Units [BP11] Aircraft Procurement			2.100	1.285					Continuing	TBD
J) (3010F), Line Item 66, F-15A-E [BP 13] Aircraft Procurement (3010F)	7.041	13.202	13.170	10.565	1.024	2.489	2.551	2.581	Continuing	TBD
J) F-15E (PE27445F) Fighter Tactical Data Link [BP11]	7.755	69.122	67.774	41.155						185.806
D. Acquisition Strategy Program is a continuation of efficient analysis, and test.	ort which inclu	des the develop	oment of all F-1	5 models. Fur	nds are execute	d organically i	n support of e	quipment imp	provement, stud	ly,
Project 0131			R-1 Shopping	List - Item No. 1	31-4 of 131- <u>15</u>				Exhibit R-2a (P	E 0207134F

	Exhib	it R-3, RD	T&E Proi	ect Co	st Ana	lysis					DATE			\E	
BUDGET ACTIVITY  07 Operational System Developm		-,			PE N	NUMBER A		UADRO	NS	0131		February 2005 CT NUMBER AND TITLE nitial Operational Test and ation			
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2004 Cost	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	Complete	Total Cost	Target Value of Contract	
(U) Product Development OFP Suite 4/5/6/7 Development	CPAF	Boeing, St Louis	217.052	59.394		77.822		60.619		76.731		Continuing	TBD		
Boeing (JHMCS A-D)	CPAF	Boeing, St Louis	9.756	0.000								0.000	9.756		
Smart Weapons Integration ADP(E) ADCP(E)	CPAF CPAF CPAF	Boeing, St	14.929 2.846 36.421	0.000 0.000 13.500	Jun-04	10.056	Dec-04					0.000 0.000 0.000	14.929 2.846 59.977		
NGA (ALQ-135 Band 1.5) Link-16 Data Link TISS TTIP Boeing/Raytheon ECCM	FFP CPAF CPFF CPAF	Louis	35.440 19.400 0.000 1.194	0.000 0.000 3.597 0.000	Feb-04		Dec-04	7.200	Dec-05	2.800	Dec-06	0.000 0.000 0.000 0.000	35.440 19.400 20.023 1.194		
F-15 C/D AESA Radar Block Upgrade	CPFF	Boeing, St Louis	13.100	21.605	Feb-04	14.016	Jun-05					0.000	48.721		
F-15 E AESA Radar Block Upgrade	CPFF	Boeing. St Louis	4.331	0.500	Jun-04	0.500	Jun-05	0.500	Jun-06	0.500	Jun-07	211.560	217.891		
Radar Warning Receiver Upgrade	TNM	Boeing, St Louis	0.000	2.294	Sep-04	2.496	Apr-05					0.000	4.790		
Mode S/5 IFF F-15 Avionics Replacement Subtotal Product Development Remarks:			354.469	100.890		111.316		68.319		4.900 84.931	Dec-06	0.000 10.086 Continuing	0.000 14.986 TBD	0.000	
(U) Support (Msn Spt) Misc. Subtotal Support Remarks:		WPAFB, OH	18.643 18.643	2.045 2.045		2.100 2.100		2.100 2.100		2.700 2.700		Continuing Continuing	TBD TBD	0.000	
(U) <u>Test &amp; Evaluation</u> Boeing (Flt Test)	FFP	Boeing, St Louis	76.137	12.500		13.200	Mar-05	13.200	Mar-06	13.200		Continuing	TBD		
Edwards	PO	Edwards AFB, CA	45.457	0.200		0.200	Mar-05					Continuing	TBD		
Eglin (Flt Test)	PO	Eglin AFB, FL	16.416	4.848		4.463	Feb-05	4.934	Feb-06	7.560		Continuing	TBD		
Subtotal Test & Evaluation Remarks: (U) <u>Management</u>			138.010	17.548		17.863		18.134		20.760		Continuing	TBD	0.000	
Subtotal Management Remarks:			0.000	0.000		0.000		0.000		0.000		0.000	0.000 0.000	0.000	
Project 0131			R-1 Sho	opping List	- Item No.	. 131-5 of 1	31-15					Exhibi	t R-3 (PE 02	:07134F)	

Exhibit R	-3, RDT&E Project Cos	t Analysis			DATE	0005	
BUDGET ACTIVITY  07 Operational System Development	-,	PE NUMBER AND TI			Februa NUMBER AND TIT itial Operationa ion	LE	
(U) Total Cost	511.122 120.483	131.279	88.553	108.391	Continuing	TBD	0.000
Project 0131	R-1 Shopping List -	Item No. 131-6 of 131-15			Exhibit R	-3 (PE 020)	7134F)

# DATE Exhibit R-4, RDT&E Schedule Profile February 2005 PROJECT NUMBER AND TITLE BUDGET ACTIVITY PE NUMBER AND TITLE 07 Operational System Development 0207134F F-15E SQUADRONS 0131 Initial Operational Test and Evaluation F-15E Modernization (FY06 PBR) 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 Program 2000 2012 ADCP ADP Band 1.5 **DMS** DVR IFF / AAI Link 16 / FDL PACS-45 AESA TISS TTIP VHF Radios RWR **OFP Updates** Mode 5 IEE Development Installations IOC

Project 0131

Exhibit R-4 (PE 0207134F)

# DATE Exhibit R-4, RDT&E Schedule Profile February 2005 PROJECT NUMBER AND TITLE BUDGET ACTIVITY PE NUMBER AND TITLE 07 Operational System Development 0207134F F-15E SQUADRONS 0131 Initial Operational Test and Evaluation F-15A-D Modernization (FY06 PBR) 2003 2004 2005 2006 2007 2000 2001 2002 2008 2009 2010 2011 2012 Program 220E Engine ALE-58 APG-63(V)1 DVR EGI/SAASM IFF / AAI **JHMCS** Link 16 / FDL Secondary Power VHF Radios 8MM OFP Updates F-15 Avionics Replacement **AESA Radar** Mode 5 IFF Installations IOC Development Project 0131 R-1 Shopping List - Item No. 131-8 of 131-15 Exhibit R-4 (PE 0207134F)

Exhibit R-4a,	RDT&E Schedule Detail		DATE <b>Februa</b>	ry 2005
BUDGET ACTIVITY  07 Operational System Development	PE NUMBER AND TITLE 0207134F F-15E SQUA	DRONS	PROJECT NUMBER AND TIT 0131 Initial Operationa Evaluation	
(U) Schedule Profile	FY 2004	FY 2005	FY 2006	FY 2007
(U) OFP Suite 5E Flight Test Start	3Q			
(U) OFP Suite 5MSIP Flight Test Start	4Q			
(U) OFP Suite 5E & MSIP Flight Test Complete		4Q		
(U) OFP Suite 5E & MSIP Fielding			1Q	
(U) OFP Suite 6 Phase 1 Start	4Q		•	
(U) OFP Suite 6 Phase 1 Complete			2Q	
(U) OFP Suite 6 Phase II Start			1Q	
(U) OFP Suite 6 Phase II Flight Test Start				4Q
(U) ADCP EMD Flight Test Complete	1Q			
(U) ADCP Tech Roll Flight Test Start		1Q		
(U) ADCP Tech Roll Flight Test Complete		1Q		
(U) ADCP F3I complete		2Q		
(U) ADCP Tech Roll - Complete		4Q		
(U) Flight Test Radar Instrumentation Upgrade Complete		3Q		
(U) TISS EMD Replacement - Start	2Q	24		
(U) TISS Hardware/Software Integration - Complete	-4		2Q	
(U) TISS System Compatibility Test - Complete				1Q
(U) F-15 Avionics Replacement Start				1Q
(U) RWR - Lab Test Start		3Q		14
(U) RWR - Lab Test Complete		4Q		
Project 0131	R-1 Shopping List - Item No. 131-9 of 131-15		Exhibit R-	4a (PE 0207134F)

	E	DATE	February 2	2005							
	er ACTIVITY  perational System Development					BER AND TITLE 4F F-15E SC	E QUADRONS		ОЈЕСТ NUMBE <b>03 F-15E</b>	R AND TITLE	
	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
4703	F-15E	0.000	0.000	36.094	16.303		135.202			'	0.000
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

#### (U) A. Mission Description and Budget Item Justification

D. Accomplishments/Dlenned Ducarem (\$ in Millians)

The F-15E is the most versatile fighter in the world today. Configured with conformal fuel tanks (CFTs), the F-15E can deploy worldwide with minimal tanker support and arrive combat-ready. The F-15E retains air superiority capability and adds systems, such as Low Altitude Navigation and Targeting Infrared for Night (LANTIRN), to meet the requirement for all-weather, deep penetration, and night/under-the-weather, air-to-surface attack. The F-15E's avionics, armament, airframe, and engines must be improved to maintain its superiority against the threat well into the 21st century. The threat includes a new generation of aircraft possessing all-weather detection and kill capabilities. Avionics updates (exploiting proven technological advances) will be incorporated into the F-15E providing expanded capability and supporting a fully integrated electronic warfare suite. This will increase the offensive and defensive capability and survivability of the F-15E. In addition to funding special studies and proposal prep, the F-15E PE also funds RDT&E activities for PE 0207130F, F-15A-D. The program titled "F-15C/D Active Electronically Scanned Array (AESA) Radar Block Upgrade" is not a new start; it has been a funded program in BPAC 670131 since FY 2002, and the FY 2006 funding in this BPAC will complete the effort.

The F-15E program, PE 27134F, is assigned budget activity (BA) code 07 because this developmental work upgrades an existing weapons system.

(U)	B. Accomplishments/Planned 1	<u> Program (\$ in</u>	Millions)				<u>FY 20</u>	<u>)04                                    </u>	Y 2005	<u>FY 2006</u>	<u>FY 2007</u>
(U)	F-15 C/D Active Electronically	Scanned Array	(AESA) Rada	ar Block Upgra	de					13.497	
(U)	Mode S/5 IFF development effor	rts								22.597	16.303
(U)	_										
(U)							0.0	000	0.000	36.094	16.303
( <b>U</b> )	C. Other Program Funding Sur	mmary (\$ in N	<u> (Iillions</u>								
		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Cost to	Total Cost
		<u>Actual</u>	<b>Estimate</b>	<b>Estimate</b>	<b>Estimate</b>	<b>Estimate</b>	<b>Estimate</b>	<b>Estimate</b>	<b>Estimate</b>	Complete	Total Cost
	Aircraft Procurement										
(U)	(3010F), Line Item 27,	180.250	138.667	81.644	57.567	78.632	51.586	126.487	140.027	Continuing	TBD
	F-15A-E (PEs 27130F and	160.230	130.007	01.044	37.307	76.032	31.360	120.467	140.027	Continuing	100
	27134F) [BP 11]										
	Aircraft Procurement (3010F)										
(U)	F-15 (PE27434F) Link 16	0.040									
(0)	Support and Sustainment	0.040									
	[BP11]										
(U)	Aircraft Procurement (3010F)			2.100	1.285						
	F-15E (PE89731F) Training			2.100	1.203						
Pr	oject 4703			R-1 Shopping	List - Item No. 1	31-10 of 131-15				Exhibit R-2a (F	PE 0207134F)

EV 2005

EV 2006

EV 2007

EX 2004

					_							
	Exhibit	R-2a, RDT	&E Projec	t Justificati	on			DATE	February 2	2005		
BUDGET ACTIVITY 17 Operational System Developm	ent				• • • • • • • • • • • • • • • • • • •				PROJECT NUMBER AND TITLE 4703 F-15E			
U) <u>C. Other Program Funding Sun</u>	nmary (\$ in M	illions)										
Support to Units [BP11] Aircraft Procurement U) (3010F), Line Item 66,	7.041	13.202	13.170	10.565	1.024	2.489	2.551	2.581	Continuing	TBD		
F-15A-E [BP 13] Aircraft Procurement (3010F)	7.041	13.202	13.170	10.303	1.024	2.409	2.331	2.361	Continuing	TDD		
<ul><li>J) F-15E (PE27445F) Fighter Tactical Data Link [BP11]</li></ul>	7.755	69.122	67.774	41.155						185.806		
U) <u>D. Acquisition Strategy</u> Program is a continuation of effect analysis and test.	ort which includ	les the develop	oment of all F-1	5 models. Fun	ds are executed	d organically in	support of equ	ipment imp	rovement, stud	ly,		

Project 4703

R-1 Shopping List - Item No. 131-11 of 131-15

Exhibit R-2a (PE 0207134F)

				0.10	LASSIF						DATE			
	Exhibi	t R-3, RD	T&E Proj	ect Co	st Anal	ysis					DATE		ary 200	5
BUDGET ACTIVITY  07 Operational System Developm	nent					UMBER AI <b>7134F F-</b>	ND TITLE ·15E SQI	UADRO	NS		ECT NUM F-15E	BER AND		
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions) (U) Product Development	Contract Method & Type	Performing Activity & Location	Total Prior to FY  2004 Cost	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 Contract
F-15 C/D AESA Radar Block Upgrade	CPFF	Boeing, St Louis						13.497	Jun-06				13.497	
Mode S/5 IFF		Boeing, St Louis						22.597	Dec-05	16.303	Dec-06		38.900	
Subtotal Product Development Remarks: (U) Support			0.000	0.000		0.000		36.094		16.303		0.000	52.397	0.000
Subtotal Support Remarks: (U) Test & Evaluation			0.000	0.000		0.000		0.000		0.000		0.000	0.000 0.000	0.000
Subtotal Test & Evaluation Remarks:			0.000	0.000		0.000		0.000		0.000		0.000	0.000 0.000	0.000
(U) Management  Subtotal Management			0.000	0.000		0.000		0.000		0.000		0.000	0.000 0.000	0.000
Remarks: (U) Total Cost			0.000	0.000		0.000		36.094		16.303		0.000	52.397	0.000
Project 4703			R-1 Sho	pping List	- Item No.	131-12 of 1	31-15					Exhibi	t R-3 (PE 02	.07134F)

# DATE Exhibit R-4, RDT&E Schedule Profile February 2005 PROJECT NUMBER AND TITLE BUDGET ACTIVITY PE NUMBER AND TITLE 07 Operational System Development 0207134F F-15E SQUADRONS 4703 F-15E F-15E Modernization (FY06 PBR) 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 Program ADCP ADP **Band 1.5 DMS** DVR IFF / AAI Link 16 / FDL PACS-45 **AESA** TISS TTIP VHF Radios RWR OFP Updates Mode 5 IFF Development Installations IOC R-1 Shopping List - Item No. 131-13 of 131-15 Exhibit R-4 (PE 0207134F) Project 4703

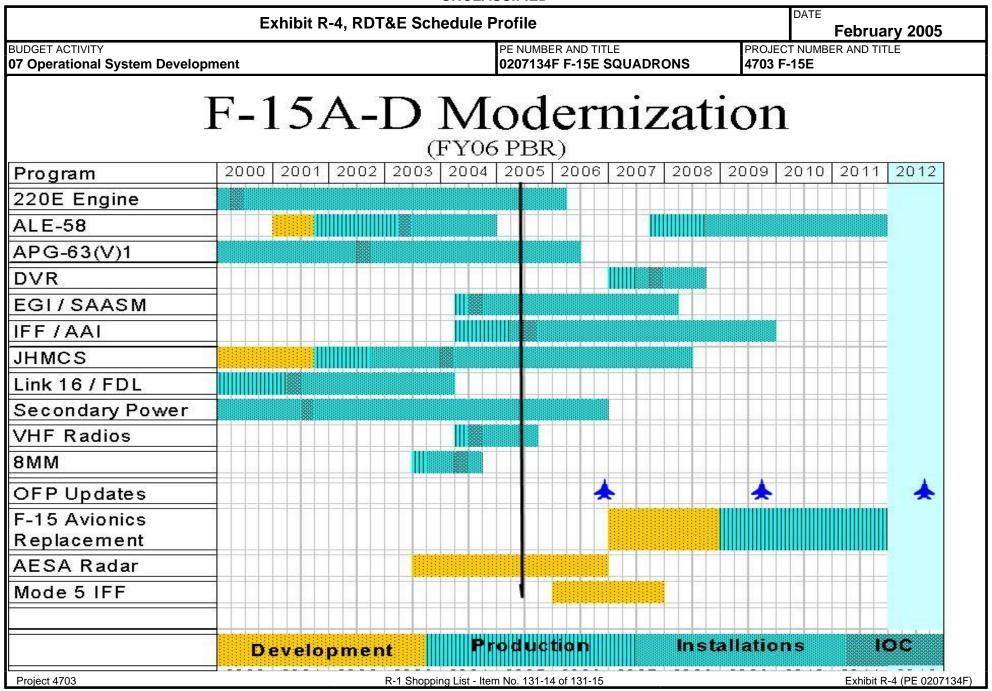


Exhibit R-4a, RDT&E	DATE February 2005			
BUDGET ACTIVITY  07 Operational System Development	PE NUMBER AND TITLE 0207134F F-15E SQUADRONS		CT NUMBER AND TITLE	
(U) Schedule Profile (U) Mode S/5 IFF - Start (U) F-15 C/D AESA Radar Block Upgrade Flight Test - Start (U) F-15 C/D AESA Radar Block Upgrade Flight Test - Complete	FY 2004 E	Y 2005	FY 2006 1Q 3Q 4Q	FY 2007
Project 4703 R-1 S	Shopping List - Item No. 131-15 of 131-15		Exhibit R-4a	(PE 0207134F)