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**Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Air Force** **DATE:** February 2010

<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207134F: <i>F-15E SQUADRONS</i>
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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	203.816	319.967	222.677	0.000	222.677	212.203	144.264	124.999	118.285	Continuing	Continuing
670131: <i>Initial Operational Test and Evaluation</i>	203.816	319.967	222.677	0.000	222.677	212.203	144.264	124.999	118.285	0.000	0.000

**Note**

The F-15 program has one FY 2011 new start: F-15C/D Advanced Display Core Processor (ADCP+)with Vertical Situation Display to replace obsolete 25 MHz Central Computers.

**A. Mission Description and Budget Item Justification**

The F-15 is the most versatile fighter in the world today. The F-15A-D continues to provide air superiority with an undefeated and unmatched aerial combat record. The F-15E retains this air superiority capability and adds systems, such as advanced imaging and targeting systems, to meet the requirement for all-weather, deep penetration, and night/under-the-weather, air-to-surface attack. Configured with conformal fuel tanks (CFTs), the F-15E deploys worldwide with minimal tanker support and arrives combat-ready. A mainstay in operations both domestic and abroad, upgrades to the F-15 (avionics, armament, airframe, and engines) are critical to maintaining combat viability (lethality, survivability, and supportability).

Projected to remain in service past 2030, avionics modernization is key to long-term weapon system viability. This modernization is built on a foundation of technical studies (both internal to the Air Force and through outside contractors), forestalling obsolescence, exploiting proven technological advances, and leveraging new technology. Major avionics upgrades center around radar modernization (both hardware and software upgrades) and the exploitation of enhanced capability via wideband radome, precision timing, data delivery and processing technology, precision registration systems, cockpit Head Up Display (HUD) and instrumentation digitization and modernization, central computer processing power increases, digital mission event recording systems and an infrared (IR) based fire control system.

Funds are also used, as required, to resolve Diminishing Manufacturing Sources and Material Shortage (DMSMS) issues.

The proliferation of fourth generation enemy aircraft and sophisticated "double-digit" anti-aircraft missile systems pose a significant threat to F-15 survivability. A fully integrated electronic warfare suite holds the promise of providing survivability as well as expanded electronic attack capability.

Nearly all improvements are linked to an aircraft operational flight program update schedule that works to integrate new capabilities with the airframe. These updates are a responsive way to increase the offensive and defensive capability and survivability of the F-15. Given the comprehensiveness of these changes, significant flight test will be required. Incorporation of corresponding spiral and/or phased technology/equipment improvements that include support equipment, mission planning systems, and training device upgrades will improve performance, supportability, and line replaceable unit (LRU) throughput.

The F-15E program, PE 0207134F, is assigned budget activity (BA) code 07 because this developmental work upgrades an existing weapons system.

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**B. Program Change Summary (\$ in Millions)**

	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total</u>
Previous President's Budget	198.872	311.167	0.000	0.000	0.000
Current President's Budget	203.816	319.967	222.677	0.000	222.677
Total Adjustments	4.944	8.800	222.677	0.000	222.677
• Congressional General Reductions		0.000			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		8.800			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	4.944	0.000	222.677	0.000	222.677

**Congressional Add Details (\$ in Millions, and Includes General Reductions)**

**Project:** 670131: *Initial Operational Test and Evaluation*

Congressional Add: *F-15C/D APG-63(V)3 Radar Demo.*

Congressional Add: *In FY 2009: Complete CDR for LRU 6 and LRU 3. Detects, jams and deceives hostile radars, and radar/infrared guided weapons on all F-15C/D/E aircraft.*

Congressional Add: *In FY 2010: Not Applicable.*

Congressional Add: *In FY 2011: Not Applicable.*

Congressional Add Subtotals for Project: 670131

Congressional Add Totals for all Projects

	<u>FY 2009</u>	<u>FY 2010</u>
	11.694	8.000
	3.185	0.000
	1.700	0.000
	2.347	0.000
	18.926	8.000
	18.926	8.000

**Change Summary Explanation**

The FY 2010 President's Budget submittal did not reflect FY 2011 through FY 2015 funding. Therefore, explanation of changes between the two budget positions cannot be made in a relevant manner.

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**Exhibit R-2A, RDT&E Project Justification:** PB 2011 Air Force **DATE:** February 2010

<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207134F: <i>F-15E SQUADRONS</i>	<b>PROJECT</b> 670131: <i>Initial Operational Test and Evaluation</i>
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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
670131: <i>Initial Operational Test and Evaluation</i>	203.816	319.967	222.677	0.000	222.677	212.203	144.264	124.999	118.285	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**A. Mission Description and Budget Item Justification**

The F-15 is the most versatile fighter in the world today. The F-15A-D continues to provide air superiority with an undefeated and unmatched aerial combat record. The F-15E retains this air superiority capability and adds systems, such as advanced imaging and targeting systems, to meet the requirement for all-weather, deep penetration, and night/under-the-weather, air-to-surface attack. Configured with conformal fuel tanks (CFTs), the F-15E deploys worldwide with minimal tanker support and arrives combat-ready. A mainstay in operations both domestic and abroad, upgrades to the F-15 (avionics, armament, airframe, and engines) are critical to maintaining combat viability (lethality, survivability, and supportability).

Projected to remain in service past 2030, avionics modernization is key to long-term weapon system viability. This modernization is built on a foundation of technical studies (both internal to the Air Force and through outside contractors), forestalling obsolescence, exploiting proven technological advances, and leveraging new technology. Major avionics upgrades center around radar modernization (both hardware and software upgrades) and the exploitation of enhanced capability via wideband radome, precision timing, data delivery and processing technology, precision registration systems, cockpit Head Up Display (HUD) and instrumentation digitization and modernization, central computer processing power increases, digital mission event recording systems, and an infrared (IR) based fire control system. Funds are also used as required to resolve Diminishing Manufacturing Sources and Material Shortages (DMSMS) issues.

The proliferation of fourth generation enemy aircraft and sophisticated "double-digit" anti-aircraft missile systems pose a significant threat to F-15 survivability. A fully integrated electronic warfare suite holds the promise of providing survivability as well as expanded electronic attack capability.

Nearly all improvements are linked to an aircraft operational flight program update schedule that works to integrate new capabilities with the airframe. These updates are a responsive way to increase the offensive and defensive capability and survivability of the F-15. Given the comprehensiveness of these changes, significant flight test will be required. Incorporation of corresponding spiral and/or phased technology/equipment improvements that include support equipment, mission planning systems, and training device upgrades will improve performance, supportability, and line replaceable unit (LRU) throughput.

The F-15E program, PE 0207134F, is assigned budget activity (BA) code 07 because this developmental work upgrades an existing weapons system.

**B. Accomplishments/Planned Program (\$ in Millions)**

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2011 Air Force				<b>DATE:</b> February 2010		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207134F: <i>F-15E SQUADRONS</i>	<b>PROJECT</b> 670131: <i>Initial Operational Test and Evaluation</i>				
<b>B. Accomplishments/Planned Program (\$ in Millions)</b>						
		<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>
<p><i>FY 2009 Accomplishments:</i> In FY 2009: Continuation of development activities with the completion of the TRR.</p> <p><i>FY 2010 Plans:</i> In FY 2010: Not Applicable.</p> <p><i>FY 2011 Base Plans:</i> In FY 2011: Not Applicable.</p> <p><i>FY 2011 OCO Plans:</i> In FY 2011 OCO: Not Applicable.</p>						
<p><b>MAJOR THRUST:</b> F-15E Radar Modernization Program (RMP). New AESA radar replacing legacy APG-70 radars on all 223 F-15E aircraft.</p> <p><i>FY 2009 Accomplishments:</i> In FY 2009: Continued design efforts and completed PDR.</p> <p><i>FY 2010 Plans:</i> In FY 2010: Continue design efforts and complete CDR. Complete Electronic Systems Integration Laboratory (ESIL) TRR. Manufacturing and taking delivery of RMP kit hardware. Begin modification of flight test aircraft .</p> <p><i>FY 2011 Base Plans:</i> In FY 2011: Begin flight test and complete SVR.</p> <p><i>FY 2011 OCO Plans:</i> In FY 2011 OCO: Not Applicable.</p>		74.136	164.609	81.423	0.000	81.423
		0.000	35.000	24.941	0.000	24.941

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207134F: <i>F-15E SQUADRONS</i>	<b>PROJECT</b> 670131: <i>Initial Operational Test and Evaluation</i>				
<b>B. Accomplishments/Planned Program (\$ in Millions)</b>						
		<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>
<p><i>FY 2011 Base Plans:</i> In FY 2011: Continuation of design efforts with completion of PDR and CDR and purchase of test assets. Provides a central computer upgrade on 223 F-15Es to replace the ADCP.</p> <p><i>FY 2011 OCO Plans:</i> In FY 2011 OCO: Not Applicable.</p>						
<p><b>MAJOR THRUST:</b> Mission Support, Other Government Cost</p> <p><i>FY 2009 Accomplishments:</i> In FY 2009: Continued program office support at Wright-Patterson, AFB.</p> <p><i>FY 2010 Plans:</i> In FY 2010: Not Applicable.</p> <p><i>FY 2011 Base Plans:</i> In FY 2011: Not Applicable.</p> <p><i>FY 2011 OCO Plans:</i> In FY 2011 OCO: Not Applicable.</p>		3.911	0.000	0.000	0.000	0.000
<p><b>MAJOR THRUST:</b> Flight Data Recorder (FDR) program</p> <p><i>FY 2009 Accomplishments:</i> In FY 2009: provides the F-15 fleet with a FDR and crash survivable memory unit to assist in mishap investigations, provide fleet life management capability, and support structural integrity programs. Development on-going, scheduled to complete in FY10.</p> <p><i>FY 2010 Plans:</i> In FY 2010: Not Applicable.</p>		2.400	0.000	0.000	0.000	0.000

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<b>B. Accomplishments/Planned Program (\$ in Millions)</b>								
				<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011 Base</b>	<b>FY 2011 OCO</b>	<b>FY 2011 Total</b>
<i>FY 2011 Base Plans:</i> In FY 2011: Not Applicable.								
<i>FY 2011 OCO Plans:</i> In FY 2011 OCO: Not Applicable.								
Accomplishments/Planned Programs Subtotals				184.890	311.967	222.677	0.000	222.677
				<b>FY 2009</b>	<b>FY 2010</b>			
Congressional Add: F-15C/D APG-63(V)3 Radar Demo.  <i>FY 2009 Accomplishments:</i> In FY 2009: Capability demonstration event.  <i>FY 2010 Plans:</i> In FY 2010: Capability demonstration event.				11.694	8.000			
Congressional Add: In FY 2009: Complete CDR for LRU 6 and LRU 3. Detects, jams and deceives hostile radars, and radar/infrared guided weapons on all F-15C/D/E aircraft.  <i>FY 2009 Accomplishments:</i> In FY 2010: Not Applicable.  <i>FY 2010 Plans:</i> In FY 2011: Not Applicable.				3.185	0.000			
				1.700	0.000			

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**B. Accomplishments/Planned Program (\$ in Millions)**

	FY 2009	FY 2010
Congressional Add: In FY 2010: Not Applicable. <i>FY 2009 Accomplishments:</i> In FY 2011: Not Applicable.  <i>FY 2010 Plans:</i> Chip Scale Atomic Clock (CSAC).		
Congressional Add: In FY 2011: Not Applicable. <i>FY 2009 Accomplishments:</i> In FY 2011 OCO: Not Applicable.  <i>FY 2010 Plans:</i> In FY 2011 OCO: Not Applicable. (1)	2.347	0.000
Congressional Adds Subtotals	18.926	8.000

**C. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u> <u>Base</u>	<u>FY 2011</u> <u>OCO</u>	<u>FY 2011</u> <u>Total</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• PE 0207130F: <i>Aircraft Modification (F-15 A/B/C/D Squadrons) [BP 11]</i>	40.739	58.143	166.209	0.000	166.209	159.061	242.278	219.417	198.203	0.000	0.000
• PE 0207134F: <i>Aircraft Modification (F-15E Squadrons [BP11])</i>	8.433	59.669	134.859	0.000	134.859	138.390	144.495	144.210	142.140	0.000	0.000
• PE 0207445F: <i>Aircraft Modification (Fighter Tactical Data Link) [BP11]</i>	0.000	0.000	0.174	0.000	0.174	3.073	3.064	3.117	5.533	0.000	0.000

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**C. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u> <u>Base</u>	<u>FY 2011</u> <u>OCO</u>	<u>FY 2011</u> <u>Total</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• PE 0809731F: <i>Aircraft Modification (Training Support to Units) [BP11]</i>	0.000	0.979	0.993	0.000	0.993	1.008	1.027	1.046	1.067	0.000	0.000
• PE 0207130F (1): <i>Aircraft Support Equipment (O&amp;I) (F-15 A/B/C/D Squadrons) [BP 12]</i>	13.165	12.728	4.947	0.000	4.947	5.022	5.106	5.193	5.290	0.000	0.000
• PE 0207134F (2): <i>Aircraft Post Production Support (F-15E Squadrons (PE 0207134F) [BP 13]</i>	20.134	15.694	21.599	0.000	21.599	2.589	2.631	2.676	2.726	0.000	0.000
• PE 0207130F (3): <i>Aircraft Initial Spares and Repairs (F-15 A/B/C/D Squadrons) [BP 16]</i>	1.240	1.680	6.422	0.000	6.422	0.097	0.097	9.156	23.327	0.000	0.000
• PE 0207134F (4): <i>Aircraft Initial Spares and Repairs (F-15E Squadrons) [BP 16]</i>	4.101	0.195	18.107	0.000	18.107	18.895	19.210	18.806	19.158	0.000	0.000

**D. Acquisition Strategy**

Program is a continuation of effort which includes the development of all F-15 models. Funds are executed organically in support of equipment improvement, study, analysis, and test.

**E. Performance Metrics**

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2011 Air Force</b>										<b>DATE:</b> February 2010			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0207134F: <i>F-15E SQUADRONS</i>				<b>PROJECT</b> 670131: <i>Initial Operational Test and Evaluation</i>					

**Product Development (\$ in Millions)**

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
OFP Suite 5/6/7/8 Development and Test	SS/CPAF	Boeing St Louis, MO	299.176	40.879	Dec 2009	22.601	Dec 2010	0.000		22.601	61.937	424.593	0.000
OFP Suite 5/6/7/8 Development and Test (1)	Various/ Various	Various Various	176.831	39.260		29.068		0.000		29.068	89.687	334.846	0.000
TISS TTIP	SS/CPFF	Boeing St Louis, MO	23.062	1.943	Dec 2009	1.246	Dec 2010	0.000		1.246	0.000	26.251	0.000
TISS TTIP (2)	Various/ Various	Various Various	1.529	0.321		0.235		0.000		0.235	0.000	2.085	0.000
F-15C/D APG-63(V)3 Radar Demo	SS/CPFF	Boeing St Louis, MO	43.741	8.000		0.000		0.000		0.000	0.000	51.741	0.000
F-15E RMP	SS/CPFF	Boeing St Louis, MO	88.498	138.242	Dec 2009	59.966	Oct 2010	0.000		59.966	17.928	304.634	0.000
F-15E RMP (3)	Various/ Various	Various Various	5.101	26.367		21.506		0.000		21.506	18.797	71.771	0.000
Mode 5	SS/CPAF	Boeing St Louis, MO	36.033	0.000		0.000		0.000		0.000	0.000	36.033	0.000
F-15 RWR Upgrade	SS/CPFF	BAE Totowa, NJ	8.596	0.000		0.000		0.000		0.000	0.000	8.596	0.000
F-15C/D IRST	TBD/TBD	TBD TBD	0.000	35.000	May 2010	24.941	Dec 2011	0.000		24.941	44.120	104.061	0.000
F-15E CPMP (formerly ADCP II, part of RMP)	SS/CPFF	Boeing St Louis, MO	3.500	7.648	Mar 2010	22.103	Dec 2011	0.000		22.103	47.582	80.833	0.000
F-15E CPMP (formerly ADCP II, part of RMP) (4)	Various/ Various	Various Various	0.000	1.109	Mar 2010	3.796	Dec 2011	0.000		3.796	16.257	21.162	0.000

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2011 Air Force</b>										<b>DATE:</b> February 2010			
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**Product Development (\$ in Millions)**

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
F-15 Flight Data Recorder	SS/CPIF	Boeing St Louis, MO	2.400	0.000		0.000		0.000		0.000	0.000	2.400	0.000
F-15 MSOGS	TBD/TBD	TBD TBD	1.700	0.000		0.000		0.000		0.000	0.000	1.700	0.000
F-15 Chip Scale Atomic Clock	SS/CPFF	Honeywell Golden Valley, MN	2.347	0.000		0.000		0.000		0.000	0.000	2.347	0.000
ADCP+ w/VSD	TBD/TBD	TBD TBD	0.000	0.000		16.571	Dec 2011	0.000		16.571	0.000	16.571	0.000
ADCP+ w/VSD (5)	Various/ Various	Various Various	0.000	0.000		5.159		0.000		5.159	0.000	5.159	0.000
F-15 Corrosion Detection and Visualization Program	TBD/TBD	TBD TBD	0.000	0.800		0.000		0.000		0.000	0.000	0.800	0.000
<b>Subtotal</b>			692.514	299.569		207.192		0.000		207.192	296.308	1,495.583	0.000

**Remarks**

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force** **DATE:** February 2010

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**Support (\$ in Millions)**

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
(Msn Spt) Misc.	TBD/TBD	Wright-Patterson AFB OH	3.911	0.000		0.000		0.000		0.000	0.000	3.911	0.000
<b>Subtotal</b>			3.911	0.000		0.000		0.000		0.000	0.000	3.911	0.000

**Remarks**

**Test and Evaluation (\$ in Millions)**

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Boeing (Contractor Test Team)	SS/CPFF	Boeing St Louis, MO	103.124	15.675	Jan 2010	11.887	Dec 2011	0.000		11.887	53.321	184.007	0.000
Eglin (Flt Test)	PO	Eglin AFB FL	29.792	4.442		3.379		0.000		3.379	15.404	53.017	0.000
Flight Test Support	Various/ Various	Various Various	1.887	0.281		0.219		0.000		0.219	0.976	3.363	0.000
<b>Subtotal</b>			134.803	20.398		15.485		0.000		15.485	69.701	240.387	0.000

**Remarks**

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Air Force** **DATE:** February 2010

<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207134F: <i>F-15E SQUADRONS</i>	<b>PROJECT</b> 670131: <i>Initial Operational Test and Evaluation</i>
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	Total Prior Years Cost	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	831.228	319.967	222.677	0.000	222.677	366.009	1,739.881	0.000

**Remarks**  
Total Prior Years Cost may include only FY 2009 data.

**UNCLASSIFIED**

**UNCLASSIFIED**

**Exhibit R-4, RDT&E Schedule Profile: PB 2011 Air Force**

**DATE:** February 2010

**APPROPRIATION/BUDGET ACTIVITY**

3600: *Research, Development, Test & Evaluation, Air Force*  
 BA 7: *Operational Systems Development*

**R-1 ITEM NOMENCLATURE**

PE 0207134F: *F-15E SQUADRONS*

**PROJECT**

670131: *Initial Operational Test and Evaluation*



# F-15C/D Modifications



U.S. AIR FORCE

*Dominant Air Power: Design For Tomorrow... Deliver Today*

Program	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	Requirement
Avionics Replacement	[Gantt bars: Yellow, Cyan, Green]							232
APG-63(V)3	[Gantt bars: Cyan, Green]							158
Mode 5	[Gantt bars: Cyan, Green]							250
IRST	[Gantt bars: Yellow, Cyan, Green]							Gp A:176 Pods:100
DVR	[Gantt bars: Cyan, Green]							238
Secondary Pwr System	[Gantt bars: Yellow, Cyan, Green]							176
M SOGS	[Gantt bars: Yellow, Green]							176
Flight Data Recorder	[Gantt bars: Cyan, Yellow, Cyan, Green]							238
BLOS/SLOS SATCOM	[Gantt bars: Yellow, Cyan, Green]							101
ADCP+VSD	[Gantt bars: Yellow, Cyan, Green]							131
	Development		Production		Installation			

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R-1 Line Item #132

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**Exhibit R-4, RDT&E Schedule Profile: PB 2011 Air Force**

**DATE:** February 2010

**APPROPRIATION/BUDGET ACTIVITY**

3600: *Research, Development, Test & Evaluation, Air Force*  
 BA 7: *Operational Systems Development*

**R-1 ITEM NOMENCLATURE**

PE 0207134F: *F-15E SQUADRONS*

**PROJECT**

670131: *Initial Operational Test and Evaluation*



U.S. AIR FORCE

# F-15E Modifications



*Dominant Air Power: Design For Tomorrow... Deliver Today*

Program	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	Requirement	
F-15E RMP (APG-82(V)1 AESA Radar)	Development		Production		Installation			223	
TISS TIP	Development		Installation					36	
ADCP	Installation							223	
JHMCS - Front Seat	Installation		Installation					164	
Mode 5			Production		Installation			223	
BLOS/SLOS SATCOM	Installation							180	
CPMP			Development		Production		Installation		223
DVRS	Development		Installation					223	
Secondary Pwr System	Development		Production		Installation			223	
Flight Data Recorder			Production		Installation			223	
	Development		Production		Installation				

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2011 Air Force		<b>DATE:</b> February 2010
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0207134F: <i>F-15E SQUADRONS</i>	<b>PROJECT</b> 670131: <i>Initial Operational Test and Evaluation</i>

Schedule Details

Event	Start		End	
	Quarter	Year	Quarter	Year
OFP Continuous Development	1	2009	4	2011
Mode 5 EMD - Complete	2	2010	1	2011
F-15E RMP EMD - Complete	1	2009	4	2010
F-15C/D IRST EMD - Start	2	2010	4	2011
Secondary Power System EMD - Complete	1	2009	2	2010
CPMP Pre-EMD Contract Award	4	2010	4	2010
CPMP EMD Phase I Contract Award	2	2010	2	2010
F-15 C/D ADCP+ w/VSD Pre-EMD Contract Award	4	2011	4	2011

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