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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force	DATE: February 2012
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>Development & Demonstration (SDD)</i>				PE 0604800F: <i>Joint Strike Fighter EMD</i>							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	931.599	1,387.926	1,210.306	-	1,210.306	1,019.035	635.732	387.694	155.591	Continuing	Continuing
653831: <i>Joint Strike Fighter</i>	931.599	1,387.926	1,192.506	-	1,192.506	985.035	602.732	357.694	155.591	Continuing	Continuing
653832: <i>JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT</i>	-	-	17.800	-	17.800	34.000	33.000	30.000	-	Continuing	Continuing

Note

The Cost to Complete and Total Cost for MDAP projects in this program element are documented in the R3. The Cost to Complete and Total Cost on the R2 are entered as "Continuing" and not reflective of the total cost for MDAP projects since the R2 does not account for prior years funding.

A. Mission Description and Budget Item Justification

The Joint Strike Fighter (JSF) program will develop and deploy a family of highly common, affordable next generation, stealthy, multi-role strike fighter aircraft that meets the needs of the USN, USAF, USMC and allies with maximum commonality among the variants, consistent with National Disclosure Policy, to minimize life cycle costs. This is a joint program with no executive service. Navy and Air Force each provide approximately equal shares of annual funding to the program. The United Kingdom and seven other international countries, and three Foreign Military Sales cases are participants in the JSF program. This program is funded under System Development and Demonstration (SDD) because it encompasses system development and demonstration of new end items prior to a production approval decision. The SDD Budget funds a total quantity of 20 RDT&E test articles to include 6 ground test articles and 14 flight test articles for Navy and Air Force use.

BA5 - This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full-rate production.

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B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	883.773	1,387.926	1,198.293	-	1,198.293
Current President's Budget	931.599	1,387.926	1,210.306	-	1,210.306
Total Adjustments	47.826	-	12.013	-	12.013
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-85.000	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-29.274	-			
• Other Adjustments	162.100	-	12.013	-	12.013

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

Project: 653831: *Joint Strike Fighter*

Congressional Add: *F136 Propulsion System*

Congressional Add Subtotals for Project: 653831

Congressional Add Totals for all Projects

FY 2011	FY 2012
69.288	-
69.288	-
69.288	-

Change Summary Explanation

FY11 adjustments for Congressional Rescission of -\$85.000; SBIR of -\$29.274; Congressional General Reductions -\$5.337 and Congressional Directed Transfers of +\$167.437

FY13 adjustments account for realignments of funding for JSF Deployability and Suitability Enhancement effort, which performs earlier execution of F-35 capability enhancements necessary for war-fighter use in FY15, with full realization of improvements by FY17.

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604800F: Joint Strike Fighter EMD				PROJECT 653831: Joint Strike Fighter			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
653831: Joint Strike Fighter	931.599	1,387.926	1,192.506	-	1,192.506	985.035	602.732	357.694	155.591	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
Note											
Note: Total cost including USN, International partner contributions and USAF funding are: FY11 \$2,373.851M, FY12 \$2,850.735M and FY13 \$2,835.601M.											
A. Mission Description and Budget Item Justification											
The F-35 Lightning II Joint Strike Fighter program will develop and field a family of aircraft that meets the needs of the USN, USAF, USMC and allies, with maximum commonality among the variants, consistent with National Disclosure Policy, to minimize life cycle costs. This is a joint program with no executive service. Navy and Air Force each provide approximately equal shares of annual funding to the program. The United Kingdom, other International Partner nations, and Foreign Military Sales customers are also participants in the JSF program. The program shown here reflects USN, USMC, USAF, and International Partner funding. The top-line Program Element reflects USAF F-35A Conventional Take-Off and Landing (CTOL) budgetary information, only; however, funding at the accomplishment/planned program level is reported in total (all services and partners) as the activities support all aircraft variants. Within the Navy contribution is a roughly equal contribution of annual funding by the USN and USMC.											
The SDD Budget funds a total quantity of 20 RDT&E test articles to include 6 ground test articles and 14 flight test articles for Navy and Air Force use. The following fiscal year phasing of the flight test aircraft reflects the schedule first flight of each flight test asset or production line roll out of each ground test asset:											
FY07: 1 Conventional Take Off and Landing (CTOL) flight test article FY08: 1 Short Take Off and Vertical Landing ((STOVL) flight test article); 1 STOVL ground test article FY09: 1 STOVL flight test article; 2 CTOL ground test articles FY10: 6 flight test articles: 3 CTOL, 2 STOVL, 1 Carrier Variants (CV); 3 ground test articles: 1 STOVL, 2 CV FY11: 4 flight test articles: 1 CTOL, 1 STOVL, 2 CV FY12: 1 CV flight test article FY13: 0 flight test articles											
BA5 - This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full-rate production.											
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2011	FY 2012	FY 2013	
Title: System Development and Demonstration								1,519.470	1,781.553	1,792.793	

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2011	FY 2012	FY 2013
Description: SDD execution of the Air System (Lockheed Martin) including International Commonality Effort; includes airframe, vehicle and mission systems, autonomic logistics, systems engineering & test efforts. FY 2011 Accomplishments: Continued SDD execution of the Air System with Lockheed Martin, including International Commonality Effort which includes airframe, vehicle systems, mission systems, autonomic logistics, systems engineering, and integrated test efforts. FY 2012 Plans: Continue SDD execution of the Air System with Lockheed Martin, including International Commonality Effort which includes airframe, vehicle systems, mission systems, autonomic logistics, systems engineering, and integrated test efforts. FY 2013 Plans: Continue SDD execution of the Air System with Lockheed Martin, including International Commonality Effort which includes airframe, vehicle systems, mission systems, autonomic logistics, systems engineering, and integrated test efforts.				
Title: F135 Propulsion System Description: SDD execution of the F135 Propulsion System (Pratt & Whitney) using International Commonality Effort; includes testing, autonomic logistics, integration & performing technology maturation efforts. FY 2011 Accomplishments: Continued SDD execution of the F135 Propulsion System with Pratt & Whitney that included engine testing, autonomic logistics, integration and performing technology maturation efforts. FY 2012 Plans: Continue SDD execution of the F135 Propulsion System with Pratt & Whitney that includes engine testing, autonomic logistics, integration and performing technology maturation efforts. FY 2013 Plans: Continue SDD execution of the F135 Propulsion System with Pratt & Whitney that includes engine testing, autonomic logistics, integration and performing technology maturation efforts.		375.628	360.000	359.618
Title: Systems Engineering Description: SDD Systems Engineering (SE) including systems operations requirements analysis, program integration, requirements integration, and interoperability support. FY 2011 Accomplishments:		39.345	45.457	28.063

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2011	FY 2012	FY 2013
Continued SDD Systems Engineering that includes systems operations requirements analysis, program integration, requirements integration, and interoperability support. FY 2012 Plans: Continue SDD Systems Engineering that includes systems operations requirements analysis, program integration, requirements integration, and interoperability support. FY 2013 Plans: Continue SDD Systems Engineering that includes systems operations requirements analysis, program integration, requirements integration, and interoperability support.				
Title: Development Test & Evaluation Description: Government Development Test and Evaluation (DT&E)/Operational Testing in support of first flight of test aircraft. Elements of DT&E include preparation for flight testing, weapons integration testing. FY 2011 Accomplishments: Continued government Development Test and Evaluation (DT&E)/Operational Evaluation. Continued flight sciences testing of CTOL, STOVL, and CV variants. Exceeded planned block 1 Mission Systems test point goals for 2011. Elements of DT&E included flight science testing to speeds of 1.6 Mach, weapons integration testing, and sensor component capabilities testing. FY 2012 Plans: Continue government Development Test and Evaluation (DT&E)/Operational Testing. Continue flight sciences testing of CTOL, STOVL, and CV variants to include Block 2A. FY 2013 Plans: Continue DT&E/Operational testing. Continue flight sciences testing of CTOL, STOVL, and CV variants to include initial Block 2B.		183.951	323.151	374.258
Title: Development Support Description: SDD Support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities. FY 2011 Accomplishments: Continued SDD Support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities. FY 2012 Plans:		109.293	237.128	146.887

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2011	FY 2012	FY 2013
Continue SDD Support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities. FY 2013 Plans: Continue SDD Support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities.				
Title: Program Management Support Description: Management support services, civilian pay, travel, engineering technical services, and studies analyses and evaluations in support of program objectives. FY 2011 Accomplishments: Continued management support services, travel, engineering technical services, and studies analyses and evaluations in support of program objectives. FY 2012 Plans: Continue management support services, travel, engineering technical services, and studies analyses and evaluations in support of program objectives. Initiate use of RDT&E for civilian pay. FY 2013 Plans: Continue management support services, travel, engineering technical services, and studies analyses and evaluations in support of program objectives. Continue use of RDT&E for civilian pay.		76.876	103.447	113.875
Title: Follow-on Development Description: Follow-on Development Block 4 capabilities to include logistics, weapons, sensors, survivability, and upgrades required to support F-35 variants. Efforts will support services and partner nations commencing in 2015 and will integrate urgent operationally relevant requirements post-Initial Operational Capability (IOC). Funding shown does not include USAF funding which is in RDT&E PE 27142F. FY 2013 Plans: Initiate disciplined systems engineering, requirements decomposition, and life cycle costs estimation of high priority, gap-driven Block 4 candidates to inform investment optimization decisions. Begin technical development activities on suitability candidates that address system limitations identified during Operational Assessment of F-35. Mature validated Block 4 FOD capabilities to appropriate Technical Readiness Levels (TRLs) to reduce integration risk for inclusion into the Engineering Management Development (EMD) program planned to begin in FY 2015.		-	-	2.307
Accomplishments/Planned Programs Subtotals		2,304.563	2,850.736	2,817.801

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B. Accomplishments/Planned Programs (\$ in Millions)									FY 2011	FY 2012	FY 2013	
Other Service Funding Adjustment									1,442.252	1,462.810	1,625.295	
Air Force Subtotals									862.311	1,387.926	1,192.506	
							FY 2011	FY 2012				
Congressional Add: F136 Propulsion System							69.288	-				
FY 2011 Accomplishments: Continued F136 Propulsion System development effort by the General Electric/ Rolls Royce Fighter Engine Team (GE/RR FET)												
Congressional Adds Subtotals							69.288	-				
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost	
• RDT&E; PE 0604800N: Joint Strike Fighter EMD	615.706	631.836	724.392	0.000	724.392	702.100	584.341	458.302	349.869	0.000	2,360.449	
• RDT&E; PE 0604800M: Joint Strike Fighter EMD	602.142	651.786	737.149	0.000	737.149	693.484	574.746	448.498	340.123	0.000	2,318.870	
• RDT&E; PE 0604800N/3194: Joint Strike Figher EMD	38.492	26.713	19.534	0.000	19.534	0.000	0.000	0.000	0.000	0.000	38.492	
• APAF; PE 0207142F: Joint Strike Fighter - CTOL	4,297.566	3,518.592	3,417.702	0.000	3,417.702	3,357.676	4,547.095	6,026.187	5,949.391	175,271.376	18,228.524	
• APN; PE 0204146N: Joint Strike Fighter - CV	1,852.890	1,557.162	1,072.812	0.000	1,072.812	1,273.910	1,432.190	1,724.077	2,429.677	33,679.470	6,283.067	
• APN; PE 0204146M: Joint Strike Fighter - STOVL	838.204	1,259.162	1,510.936	0.000	1,510.936	1,521.174	1,562.016	1,953.170	2,576.560	35,163.740	5,874.564	
• International Procurement: JSF International Procurement	726.936	1,223.348	3,054.443	0.000	3,054.443	5,362.214	7,449.007	8,361.881	8,094.783	0.000	21,900.038	
• OPN/4265: JSF Other Procurement	5.381	5.665	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.381	
• OPN/4267: JSF Logistics Information Systems (ALIS)	0.000	0.000	3.826	0.000	3.826	4.869	5.592	5.647	5.744	0.000	16.075	
• APAF; PE 0207142F/Initial Spares: Joint Strike Fighter Spares	261.924	149.556	181.833	0.000	181.833	197.737	265.692	274.415	264.251	8,438.247	999.768	

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C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• APN; PE 0204146N/Initial Spares: Joint Strike Fighter Spares	73.923	29.902	41.466	0.000	41.466	114.749	116.392	106.869	144.044	2,708.330	411.933
• APN; PE 0204146M/Initial Spares: Joint Strike Fighter Spares	147.539	23.430	99.006	0.000	99.006	97.805	107.292	186.345	175.615	2,961.390	538.981
• MILCON; PE 0207142F: JSF Military Construction	121.292	24.250	13.530	0.000	13.530	72.000	69.050	65.000	66.170	0.000	327.342
• MILCON; PE 0212576N: JSF Military Construction	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
• APAF; PE 0207142F/ Modifications: JSF Modifications	4.610	0.000	147.995	0.000	147.995	157.777	245.462	223.683	252.141	1,027.058	631.532
• RDT&E; PE 27142F: JSF Follow- on Development	0.000	9.967	8.117	0.000	8.117	50.084	104.866	132.174	229.912	0.000	287.124
• International R&D: Int'l Partner (SDD/FOD)	200.912	152.438	144.173	0.000	144.173	2.811	0.000	0.000	0.000	0.000	203.723
• OPAF; PE 0207142F: Joint Strike Fighter	0.000	0.000	0.600	0.000	0.600	2.200	2.943	2.471	2.345	0.000	7.614
D. Acquisition Strategy											
<p>The System Development and Demonstration program consists of a cost-reimbursement contract awarded to Lockheed Martin Aeronautics Company to develop the F-35 Air System, consisting of three aircraft variants and its associated logistics support system, for the U.S. Services and international participants. Similarly, a cost-reimbursement contract was awarded to Pratt & Whitney to develop the F135 propulsion system. Ground and flight testing will be conducted during development to accomplish validation and verification, with the extensive use of modeling and simulation to offset the risk of this large, complex, and concurrent lifecycle program. A comprehensive logistics support environment, including an integrated training system for aircrew, maintenance, and support personnel, is also being developed.</p> <p>On 25 April 2011, the Department of Defense terminated the development of the General Electric Rolls-Royce Fighter Engine Team F136 propulsion system.</p> <p>The F-35 Program has made international involvement a key element of the acquisition strategy. This includes international partnership in the development, production, and sustainment phases of the lifecycle. Additional international participation includes Foreign Military Sales arrangements.</p> <p>In Fiscal Year (FY) 2007, separate cost-type contracts were awarded to Lockheed Martin Aeronautics Company and Pratt & Whitney to begin low rate initial production for F-35 air vehicles, propulsion systems, and sustainment for the fielded systems. Transition to fixed-price-type contracts occurred with the fourth low rate lot. To</p>											

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<p>provide logistics support for delivered aircraft, Performance-Based Logistics cost-type contracts will be awarded to Lockheed Martin Aeronautics Company and Pratt & Whitney.</p> <p>At the completion of Low Rate Initial Production, a Defense Acquisition Board review, and Milestone Decision Authority approval, the F-35 Program will enter Full Rate Production. Fixed-price procurement contracts will be awarded for F-35 air vehicles and propulsion systems for the U.S. Services and international participants. Multiyear procurement authority for the F-35 Air System will be requested for Full Rate Production. Concurrently, multiple-year, fixed-price-type Performance Based Logistics contracts for sustainment will be executed to support multi-Service and multi-national requirements.</p> <p><u>E. Performance Metrics</u></p> <p>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.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Air Force										DATE: February 2012				
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604800F: Joint Strike Fighter EMD				PROJECT 653831: Joint Strike Fighter					
Product Development (\$ in Millions)					FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Lockheed Martin - SDD	C/CPAF	Lockheed Martin:Ft. Worth, TX	27,462.760	1,777.553	Nov 2011	1,800.793	Oct 2012	-		1,800.793	2,911.701	33,952.807	27,461.987	
Lockheed Martin - IDIQ D0022	SS/Various	Lockheed Martin:Ft. Worth, TX	11.572	4.000	Oct 2011	-		-		-	0.000	15.572	0.000	
Lockheed Martin - IDIQ D0009	SS/Various	Lockheed Martin:Ft. Worth, TX	16.759	-		-		-		-	0.000	16.759	0.000	
Lockheed Martin - BOA	SS/Various	Lockheed Martin:Ft. Worth, TX	3.511	-		-		-		-	0.000	3.511	0.000	
Pratt & Whitney - SDD	C/CPAF	Pratt &Whitney:Hartford, CT	6,906.621	360.000	Oct 2011	359.618	Dec 2012	-		359.618	772.503	8,398.742	7.480	
Pratt & Whitney - Close Out Contract C0132	SS/CPFF	Pratt &Whitney:Hartford, CT	1.364	-		-		-		-	0.000	1.364	0.000	
Pratt & Whitney - CDP Close Out Contract C0050	SS/CPFF	Pratt &Whitney:Hartford, CT	2.211	-		-		-		-	0.000	2.211	0.000	
Pratt & Whitney - BOA	SS/Various	Pratt &Whitney:Hartford, CT	35.983	-		-		-		-	0.000	35.983	0.000	
Pratt & Whitney - IDIQ	SS/Various	Pratt &Whitney:Hartford, CT	10.925	-		-		-		-	0.000	10.925	0.000	
General Electric - SDD	SS/CPAF	FET:Cincinnati, OH	2,155.573	-		-		-		-	0.000	2,155.573	2,466.974	
General Electric - IDIQ D0009	SS/Various	FET:Cincinnati, OH	0.264	-		-		-		-	0.000	0.264	0.000	
General Electric - IDIQ D0074	SS/Various	FET:Cincinnati, OH	4.175	-		-		-		-	0.000	4.175	0.000	
General Electric - F136 Transition	SS/Various	FET:Cincinnati, OH	100.400	-		-		-		-	0.000	100.400	0.000	
General Electric - BOA	SS/Various	FET:Cincinnati, OH	5.548	-		-		-		-	0.000	5.548	0.000	
General Electric - Phase IIIb	SS/Various	FET:Cincinnati, OH	382.753	-		-		-		-	0.000	382.753	0.000	
Systems Engineering	Various	Various:Various,	289.956	45.457	Oct 2011	20.063	Nov 2012	-		20.063	89.855	445.331	0.000	
Lockheed Martin - Follow-on Development	SS/CPAF	Lockheed Martin:Ft. Worth, TX	-	-		1.860	Nov 2012	-		1.860	396.902	398.762	0.000	
Pratt & Whitney - Follow-on Development	SS/CPAF	Pratt &Whitney:Hartford, CT	-	-		-		-		-	0.000	0.000	0.000	

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3600: Research, Development, Test & Evaluation, Air Force					PE 0604800F: Joint Strike Fighter EMD				653831: Joint Strike Fighter					
BA 5: Development & Demonstration (SDD)														
Product Development (\$ in Millions)					FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Systems Engineering - Follow-on Development	Various	Various:Various,	-	-		0.447	Oct 2012	-		0.447	43.099	43.546	0.000	
Subtotal			37,390.375	2,187.010		2,182.781		-		2,182.781	4,214.060	45,974.226	29,936.441	
Support (\$ in Millions)					FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
AFFTC/Eglin	Various	Various:Various,	102.435	14.929	Oct 2011	15.340	Oct 2012	-		15.340	37.168	169.872	0.000	
ASC/AFRL	Various	ASC/AFRL:Wright Patterson AFB, OH	55.685	7.625	Oct 2011	8.255	Oct 2012	-		8.255	13.938	85.503	0.000	
ASC Civ Pay	Various	ASC:Wright Patterson AFB, OH	-	19.554	Oct 2011	-		-		-	0.000	19.554	0.000	
Bolling AFB	Various	Bolling AFB:Washington DC	6.775	-		-		-		-	0.000	6.775	0.000	
DMEA	Various	DMEA:Wright Patterson AFB:Dayton, OH	5.630	25.500	Oct 2011	1.400	Nov 2012	-		1.400	0.800	33.330	0.000	
ESC	Various	ESC:Hanscom AFB, MA	7.103	0.377	Oct 2011	0.511	Nov 2012	-		0.511	1.585	9.576	0.000	
AEDC/Fuel	Various	Various:Various,	143.754	58.764	Oct 2011	23.266	Nov 2012	-		23.266	39.948	265.732	0.000	
NADEP Jacksonville	Various	NADEP:Jacksonville, FL	7.880	1.985	Oct 2011	1.757	Oct 2012	-		1.757	1.800	13.422	0.000	
Miscellaneous	Various	Various:Various,	226.696	21.298	Oct 2011	21.332	Nov 2012	-		21.332	30.343	299.669	0.000	
NAWC China Lake	Various	Various:Ridge Crest, CA	96.177	30.641	Oct 2011	24.833	Nov 2012	-		24.833	56.204	207.855	0.000	
NAWC TSD	Various	Various:Orlando, FL	9.680	2.362	Oct 2011	0.771	Nov 2012	-		0.771	3.555	16.368	0.000	
NAWC Patuxent River	Various	NAWC AD:Patuxent River, MD	299.158	53.484	Oct 2011	42.672	Nov 2012	-		42.672	122.425	517.739	0.000	
NSWC	Various	Various:Various,	3.813	0.572	Oct 2011	0.308	Nov 2012	-		0.308	0.640	5.333	0.000	
SPAWAR	Various	Various:Various,	8.434	0.038	Oct 2011	0.032	Nov 2012	-		0.032	0.138	8.642	0.000	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Air Force											DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604800F: Joint Strike Fighter EMD				PROJECT 653831: Joint Strike Fighter						
Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
SBIR Technology Insertion Congressional Add	Various	Various:Various,	24.187	-		-		-		-	0.000	24.187	0.000	
Misc/Other Follow-on Development (FoD)	Various	Various:Various,	-	-		6.410	Oct 2012	-		6.410	86.994	93.404	0.000	
NAWC/China Lake FoD	Various	Various:Various,	-	-		-		-		-	0.000	0.000	0.000	
NAWC Patuxent River FoD	Various	Various:Patuxent River,	-	-		-		-		-	0.000	0.000	0.000	
Subtotal			997.407	237.129		146.887		-		146.887	395.538	1,776.961	0.000	
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
NAWC Patuxent	Various	NAWC AD:Patuxent River, MD	301.964	130.731	Oct 2011	115.186	Nov 2012	-		115.186	304.105	851.986	0.000	
NAWC China Lake	Various	NAWC WD:Ridgecrest, CA	26.630	11.637	Oct 2011	5.829	Nov 2012	-		5.829	11.972	56.068	0.000	
Edwards AFB	Various	Edwards AFB:Edwards AFB, CA	340.541	94.841	Oct 2011	82.500	Nov 2012	-		82.500	228.811	746.693	0.000	
Other (including Classified PIDs)	Various	Various:Various,	26.080	26.441	Oct 2011	56.449	Nov 2012	-		56.449	170.510	279.480	0.000	
JITC	Various	Various:Various	-	-		-		-		-	0.000	0.000	0.000	
WEPS/Eglin	Various	WEPS:Eglin AFB, FL	27.829	2.600	Oct 2011	-		-		-	0.000	30.429	0.000	
OT - AFOTEC/AFFTC	Various	Various:Various,	93.604	52.200	Oct 2011	108.518	Nov 2012	-		108.518	401.683	656.005	0.000	
OT - JITC/OPTEV	Various	Various:Various,	6.211	4.700	Oct 2011	5.776	Oct 2012	-		5.776	5.926	22.613	0.000	
Subtotal			822.859	323.150		374.258		-		374.258	1,123.007	2,643.274	0.000	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Air Force										DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604800F: Joint Strike Fighter EMD				PROJECT 653831: Joint Strike Fighter					
Management Services (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Business Integration - Cost - ACT I	SS/CPFF	ACT I:Arlington, VA	5.700	3.418	Oct 2011	3.049	Dec 2012	-		3.049	13.798	25.965	0.000
Security - Mantech	C/TBD	Mantech:Arlington, VA	50.978	8.366	Oct 2011	11.046	Dec 2012	-		11.046	49.993	120.383	0.000
Autolog - SEIT - DRC	C/CPFF	DRC:Arlington, VA	5.916	-		-		-		-	0.000	5.916	0.000
Chief Engineer - First Principles	C/CPFF	First Principles:Arlington, VA	3.016	1.936	Oct 2011	1.836	Nov 2012	-		1.836	8.308	15.096	0.000
ASC Civilian Pay	Various	ASC:Wright Patterson AFB, OH	-	3.500	Oct 2011	35.724	Oct 2012	-		35.724	150.762	189.986	0.000
Operations - Wyle	C/CPFF	Wyle:Arlington, VA	90.871	27.418	Oct 2011	23.305	Dec 2012	-		23.305	109.904	251.498	0.000
Operations - SAFTAS	C/CPAF	SAFTAS:Arlington, VA	101.734	26.600	Oct 2011	12.867	Dec 2012	-		12.867	71.197	212.398	0.000
Operations - Stanley	C/CPAF	Stanley:Arlington, VA	159.020	27.940	Oct 2011	22.051	Dec 2012	-		22.051	101.523	310.534	0.000
Operations- TBD	C/CPAF	TBD:Arlington, VA	-	-		-		-		-	0.000	0.000	0.000
GE F136 Congressional Studies	Various	Various:Various,	0.800	-		-		-		-	0.000	0.800	0.000
Travel and Misc	Various	Various:Various,	14.499	4.269	Oct 2011	3.997	Oct 2012	-		3.997	17.225	39.990	0.000
Subtotal			432.534	103.447		113.875		-		113.875	522.710	1,172.566	0.000
			Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Subtotals			39,643.175	2,850.736		2,817.801		-		2,817.801	6,255.315	51,567.027	29,936.44
Other Service Funding Adjustment				1,462.810		1,625.295		-		1,625.295			
Project Cost Totals			39,643.175	1,387.926		1,192.506		-		1,192.506	6,255.315	51,567.027	29,936.44
Remarks													
Remarks: Prior Years reflect \$16,517.487M USAF/\$16,290.096M USN/\$4,461.741M International/Total \$37,269.324M													
FY 2011 reflects \$931.599M USAF/\$654.198M USN/\$602.142M USMC/\$185.912M International/Total \$2,373.851M													
FY 2012 reflects \$1,387,926 USAF/\$658.549M USN/\$651.786M USMC/\$152.474M International/Total \$2,850.735M													
FY 2013 reflects \$1,210.306M USAF/\$743,926M USN/\$737,149M USMC/\$144,220M International/Total \$2,835.601M													

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Air Force						DATE: February 2012				
APPROPRIATION/BUDGET ACTIVITY			R-1 ITEM NOMENCLATURE			PROJECT				
3600: Research, Development, Test & Evaluation, Air Force			PE 0604800F: Joint Strike Fighter EMD			653831: Joint Strike Fighter				
BA 5: Development & Demonstration (SDD)										
	Total Prior Years Cost	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract		
NOTE: Totals may not add correctly due to rounding.										

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604800F: Joint Strike Fighter EMD	PROJECT 653831: Joint Strike Fighter

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Air Force			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604800F: <i>Joint Strike Fighter EMD</i>	PROJECT 653831: <i>Joint Strike Fighter</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Acquistion Milestones: Services Initial Operational Capability	1	2014	4	2017
Acquisitional Milestones: Full Rate Production Decision Review	4	2017	4	2017
Acquisition Milestones: Follow-on Development	2	2012	4	2017
Contract Award: LRIP 5 Full Funding	4	2011	4	2011
Contract Award: LRIP 6 Long Lead	4	2011	4	2011
Contract Award: LRIP 6 Full Funding	2	2012	2	2012
Contract Award: LRIP 7 Long Lead	2	2012	2	2012
Contract Award: LRIP 7 Full Funding	1	2013	1	2013
Contract Award: LRIP 8 Long Lead	2	2013	2	2013
Contract Award: LRIP LRIP 8 Full Funding	1	2014	1	2014
Contract Award: LRIP 9 Long Lead	2	2014	2	2014
Contract Award: LRIP 9 Full Funding	1	2015	1	2015
Contract Award: LRIP 10 Long Lead	3	2015	1	2016
Contract Award: LRIP 10 Full Funding	2	2016	4	2017
Contract Award: LRIP 11 Long Lead	3	2016	2	2017
Contract Award: LRIP 11 Full Funding	2	2017	4	2017
Production Deliveries: LRIP 1 Delivery (APAF)	2	2011	3	2011
Production Deliveries: LRIP 2 Delivery (APAF, APN)	3	2011	4	2011
Production Deliveries: LRIP 3 Delivery (APAF, APN, Intl Production)	1	2012	4	2012
Production Deliveries: LRIP 4 Delivery (APAF, APN, Intl Production)	4	2012	2	2013
Production Deliveries: LRIP 5 Delivery (APAF, APN, Intl Production)	3	2013	2	2014
Production Deliveries: LRIP 6 Delivery (APAF, APN, Intl Production)	2	2014	2	2015

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Air Force			DATE: February 2012	
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604800F: Joint Strike Fighter EMD		PROJECT 653831: Joint Strike Fighter	
	Start		End	
Events	Quarter	Year	Quarter	Year
Production Deliveries: LRIP 7 Delivery (APAF, APN, Intl Production)	2	2015	2	2016
Production Deliveries: LRIP 8 (APAF, APN, Intl Production)	2	2016	2	2017
Production Deliveries: LRIP 9 (APAF, APN, Intl Production)	2	2017	4	2017
Production Deliveries: LRIP 10 (APAF, APN, Intl Production)	4	2017	4	2017
Production Deliveries: LRIP 11 (APAF, APN, Intl Production)	4	2017	4	2017
Sustainment: Performance Based Logistics (PBL)	2	2011	4	2017
Test & Evaluation: Block 2A	2	2012	2	2013
Test & Evaluation: Block 2B	2	2013	4	2014
Test & Evaluation: Block 3I	1	2014	4	2014
Test & Evaluation: Block 3F	1	2015	4	2016
Test & Evaluation: Initial Operational Test and Evaluation (IOT&E)	1	2015	4	2017
System Development Reviews: DAB Program Review FY11 (DPR)	2	2011	2	2011
System Development Reviews: Interim Program Review (IPR) FY12	2	2012	2	2012
System Development Reviews: Interim Program Review (IPR) FY13	2	2013	2	2013
System Development Reviews: Interim Program Review (IPR) FY14	2	2014	2	2014
System Development Reviews: Interim Program Review (IPR) FY15	2	2015	2	2015
System Development Reviews: Interim Program Review (IPR) FY16	2	2016	2	2016
System Development Reviews: Interim Program Review (IPR) FY17	2	2017	2	2017

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604800F: Joint Strike Fighter EMD				PROJECT 653832: JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
653832: JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT	-	-	17.800	-	17.800	34.000	33.000	30.000	-	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
Funds enhancements to the suitability and maintainability of the air system such as Deployable Autonomic Logistics Information System (ALIS), decentralized maintenance capabilities, low observable (LO) maintenance enhancements, security architecture updates, and integrated training simulators. These enhancements will provide vital on-demand support to the war-fighter within a deployed environment and are not funded via the existing SDD program or tied to Block 4 OFP development. Funding will result in achieving targeted suitability, maintainability, and affordability returns employing F-35 in deployed or austere locations.											
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2011	FY 2012	FY 2013	
Title: Initial development of suitability and deployability enhancements								-	-	17.800	
Description: Develop and acquire enhancements to the suitability and maintainability of the air system, such as Deployable ALIS, decentralized maintenance capabilities, LO maintenance enhancements, security architecture updates, and integrated training simulators.											
FY 2013 Plans: Initiate disciplined systems engineering, requirements decomposition, technology maturation, and development of suitability and deployability enhancements.											
Accomplishments/Planned Programs Subtotals								-	-	17.800	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• RDT&E; PE 0604800N: Joint Strike Fighter EMD	615.706	631.836	724.392	0.000	724.392	702.100	584.341	458.302	349.869	0.000	2,360.449
• RDT&E; PE 0604800M: Joint Strike Fighter EMD	602.142	651.786	737.149	0.000	737.149	693.484	574.746	448.498	340.123	0.000	2,318.870
• RDT&E; PE 0604800N/3194: Joint Strike Fighter EMD	38.492	26.713	19.534	0.000	19.534	0.000	0.000	0.000	0.000	0.000	38.492

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force										DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT				
3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)				PE 0604800F: Joint Strike Fighter EMD				653832: JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT				
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost	
• APAF; PE 0207142F: Joint Strike Fighter - CTOL	4,297.566	3,518.592	3,417.702	0.000	3,417.702	3,357.676	4,547.095	6,026.187	5,949.391	175,271.376	18,228.524	
• APN; PE 0204146N: Joint Strike Fighter - CV	1,852.890	1,557.162	1,072.812	0.000	1,072.812	1,273.910	1,432.190	1,724.077	2,429.677	33,679.470	6,283.067	
• APN; PE 0204146M: Joint Strike Fighter - STOVL	838.204	1,259.162	1,510.936	0.000	1,510.936	1,521.174	1,562.016	1,953.170	2,576.560	35,163.740	5,874.564	
• International Procurement: JSF International Procurement	726.936	1,223.348	3,054.443	0.000	3,054.443	5,362.214	7,449.007	8,361.881	8,094.783	0.000	21,900.038	
• OPN/4265: JSF Other Procurement	5.381	5.665	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.381	
• OPN/4267: JSF Logistics Information Systems (ALIS)	0.000	0.000	3.826	0.000	3.826	4.869	5.592	5.647	5.744	0.000	16.108	
• APAF; PE 027142F/Initial Spares: Joint Strike Fighter Spares	261.924	149.556	181.833	0.000	181.833	197.737	265.692	274.415	264.251	8,438.247	999.768	
• APN; PE 2724146N/initial Spares: Joint Striker Fighter Spares	73.923	29.902	41.466	0.000	41.466	114.749	116.392	106.869	144.044	2,708.330	411.933	
• APN; PE 0204146M/Initial Spares: Joint Strike Fighter Spares	147.539	23.430	99.006	0.000	99.006	97.805	107.292	186.345	175.615	2,961.390	538.981	
• MILCON; PE 0207142F: JSF Military Construction	121.292	24.250	13.530	0.000	13.530	72.000	69.050	65.000	66.170	0.000	327.342	
• APAF; PE 0207142F/Modifications: JSF Modifications	4.610	0.000	147.995	0.000	147.995	157.777	245.462	223.683	252.141	1,027.058	631.532	
• RDT&E; PE 0207142F: JSF Follow-on Development	0.000	9.967	8.117	0.000	8.117	50.084	104.866	132.174	229.912	0.000	287.124	
• International R&D: Int'l Partner (SDD/FOD)	200.912	152.438	144.173	0.000	144.173	2.811	0.000	0.000	0.000	0.000	203.723	
• OPAF; PE 0207152F: Joint Strike Fighter	0.000	0.000	0.600	0.000	0.600	2.200	2.943	2.471	2.345	0.000	7.614	

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604800F: <i>Joint Strike Fighter EMD</i>	PROJECT 653832: <i>JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT</i>
<u>D. Acquisition Strategy</u> Implement JSF Joint Executive Steering Board (JESB)/Configuration Steering Board (CSB) approved enhancements to existing capabilities through existing contracts using the engineering change proposal process. When appropriate, new cost type contracts may be established.		
<u>E. Performance Metrics</u> 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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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Air Force											DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0604800F: <i>Joint Strike Fighter EMD</i>				PROJECT 653832: <i>JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT</i>					

Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Prime LM Deployability & Suitability Enhancements	TBD	LM:Ft Worth, TX	-	-		17.800		-		17.800	97.000	114.800	0.000
Subtotal			-	-		17.800		-		17.800	97.000	114.800	0.000

Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-	0.000	0.000	0.000

Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-	0.000	0.000	0.000

Management Services (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-	0.000	0.000	0.000

			Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-		17.800		-		17.800	97.000	114.800	0.000

Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604800F: <i>Joint Strike Fighter EMD</i>	PROJECT 653832: <i>JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Air Force			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604800F: <i>Joint Strike Fighter EMD</i>	PROJECT 653832: <i>JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Contract Award	1	2013	1	2013
Deployment and Suitability Enhancement Efforts	1	2013	4	2017