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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	19,917.936	616.560	567.889	589.441	-	589.441	323.446	114.595	5.291	5.365	1,454.687	23,595.210
653831: Joint Strike Fighter	19,903.769	600.360	535.296	517.980	-	517.980	323.446	114.595	5.291	5.365	1,454.687	23,460.789
653832: JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT	14.167	16.200	32.593	71.461	-	71.461	-	-	-	-	-	134.421
Program MDAP/MAIS Code: 198												
A. Mission Description and Budget Item Justification												
The F-35 Joint Strike Fighter (JSF) Program will develop and field an affordable, highly common family of next generation strike aircraft for the United States Navy, Air Force, Marine Corps and allies. The three variants are the F-35A Conventional Takeoff and Landing (CTOL); F-35B Short Takeoff and Vertical Landing (STOVL); and the F-35C Aircraft Carrier suitable Variant (CV). The CTOL will be a stealthy multi-role, primary air-to-ground aircraft for the Air Force to replace the F-16 and A-10 and complement the F-22. The STOVL variant will be a multi-role strike fighter aircraft to replace the AV-8B and F/A-18A/C/D for the Marine Corps, replace the Sea Harrier and GR 7 for the United Kingdom, and replace the AV-8 currently employed by the Italian Navy. The CV will provide the DoN a multi-role, stealthy strike fighter aircraft to complement the F/A-18E/F. 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. Funding at the accomplishment/planned program level is reported as the total of all services and partners as these activities support all aircraft variants. 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. FY07: 1 CTOL flight test article FY08: 1 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 CV; 3 ground test articles: 1 STOVL, 2 CV FY11: 4 flight test articles: 1 CTOL, 1 STOVL, 2 CV FY13: 1 CV flight test article 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 (EMD) tasks aimed at meeting validated requirements prior to full-rate production.												

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B. Program Change Summary (\$ in Millions)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget		628.454	563.037	547.253	-	547.253
Current President's Budget		616.560	567.889	589.441	-	589.441
Total Adjustments		-11.894	4.852	42.188	-	42.188
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-11.894	-			
• Other Adjustments		-	4.852	42.188	-	42.188
Change Summary Explanation						
FY2015 increase: +\$4.976M was transferred from BA04 to BA05. -\$0.124M was transferred to higher AF priorities.						
FY2016 increase: +\$42.188M was for Deployability & Suitability (D&S).						

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Appropriation/Budget Activity 3600 / 5					R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD				Project (Number/Name) 653831 / Joint Strike Fighter			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
653831: Joint Strike Fighter	19,903.769	600.360	535.296	517.980	-	517.980	323.446	114.595	5.291	5.365	1,454.687	23,460.789
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Total cost including USN, USMC, International partner contributions and USAF funding are: FY14 \$1,414.340M, FY15 \$1,522.627M, and FY16 \$1,508.688M. R-2 data reflects variant unique funding only.

R-2A table shown above reflects service funding only.

R-2A (section B)/R-3 displays total combined program (i.e. not Service specific), including International partners.

F-35 EMD Includes:

USAF PE 0604800F BPAC 653831

USN PE 0604800N Project Unit 2261

USMC PE 0604800M Project Unit 2262

D&S Includes:

USAF PE 0604800F BPAC 653832

USN PE 0604800N Project Unit 3352

USMC PE 0604800M Project Unit 3350

F-35 FoD includes:

USAF: PE 0207142F BPAC 675346

USN: FY13 PE 0604800N BPAC 2261

USN: FY14 PE 0604800N BPAC 3353

USN: FY15 PE 0604810N BPAC 2936

USMC: FY13 PE 0604800M BPAC 2262

USMC: FY14 PE 0604800M BPAC 3351

USMC: FY15 PE 0604810M BPAC 2935

A. Mission Description and Budget Item Justification

The F-35 JSF Program will develop and field an affordable, highly common family of next generation strike aircraft for the United States Navy, Air Force, Marine Corps and allies. The three variants are the F-35A Conventional Takeoff and Landing (CTOL); F-35B Short Takeoff and Vertical Landing (STOVL); and the F-35C Aircraft Carrier suitable Variant (CV). The CTOL will be a stealthy multi-role, primary air-to-ground aircraft for the Air Force to replace the F-16 and A-10 and complement the

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F-22. The STOVL variant will be a multi-role strike fighter aircraft to replace the AV-8B and F/A-18A/C/D for the Marine Corps, replace the Sea Harrier and GR 7 for the United Kingdom, and replace the AV-8 currently employed by the Italian Navy. The CV will provide the DoN a multi-role, stealthy strike fighter aircraft to complement the F/A-18E/F. 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 the unique variant for each Service. Funding at the accomplishment/planned program level is reported as the total of all services and partners as these activities support all aircraft variants. 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 USN and USAF use. FY07: 1 CTOL flight test article FY08: 1 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 CV; 3 ground test articles: 1 STOVL, 2 CV FY11: 4 flight test articles: 1 CTOL, 1 STOVL, 2 CV FY13: 1 CV flight test article 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 (EMD) tasks aimed at meeting validated requirements prior to full-rate production.		
B. Accomplishments/Planned Programs (\$ in Millions)		
Title: System Development and Demonstration (SDD) (F-35 JSF)		FY 2014
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 2015
FY 2014 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. Activity aligned to IMS in accordance with variant IOC.		FY 2016
FY 2015 Plans:		

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Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653831 / Joint Strike Fighter		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
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. Activity aligned to IMS in accordance with variant IOC. FY 2016 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. Activity aligned to IMS in accordance with variant IOC.				
Title: F135 Propulsion System (F-35 JSF) Description: SDD execution of the F135 Propulsion System (Pratt & Whitney) including International Commonality Effort; includes testing, autonomic logistics, integration & performing technology maturation efforts. FY 2014 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 2015 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 2016 Plans: Continue SDD execution of the F135 Propulsion System with Pratt & Whitney that includes engine testing, autonomic logistics, integration and performing technology maturation efforts.		148.826	195.378	177.048
Title: Systems Engineering (SE) (F-35 JSF) Description: SDD Systems Engineering (SE) including systems operations requirements analysis, program integration, requirements integration, and interoperability support. FY 2014 Accomplishments: Continued SDD Systems Engineering that included systems operations requirements analysis, program integration, requirements integration, and interoperability support. FY 2015 Plans: Continue SDD Systems Engineering that includes systems operations requirements analysis, program integration, requirements integration, and interoperability support. FY 2016 Plans:		22.212	24.310	25.021

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
Continue SDD Systems Engineering that includes systems operations requirements analysis, program integration, requirements integration, and interoperability support.				
Title: Development Test & Evaluation (DT&E) (F-35 JSF) Description: Government DT&E/Operational Testing (OT) in support of first flight of test aircraft. Elements of DT&E include preparation for flight testing and weapons integration testing. FY 2014 Accomplishments: Continued government DT&E/OT in support of test aircraft. Continue flight sciences testing of CTOL, STOVL, and CV variants to expand the air vehicle envelope to support mission systems testing to include initial Block 2B. Elements of DT&E include preparation for flight testing, weapons integration testing, and component capabilities testing. FY 2015 Plans: Continue government DT&E/OT. Continue flight sciences testing of CTOL, STOVL, and CV variants to expand the air vehicle envelope to support mission systems testing. Elements of DT&E include flight testing, weapons integration testing, and component capabilities testing. FY 2016 Plans: Continue government DT&E/OT. Continue flight sciences testing of CTOL, STOVL, and CV variants to expand the air vehicle envelope to support mission systems testing. Elements of DT&E include flight testing, weapons integration testing, and component capabilities testing.		308.406	384.711	399.122
Title: Development Support (F-35 JSF) Description: SDD Support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities. FY 2014 Accomplishments: Continued SDD support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities. FY 2015 Plans: Continue SDD support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities. Development Support decrease is due to across the board reduction between both services. FY 2016 Plans:		108.971	140.910	108.392

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B. Accomplishments/Planned Programs (\$ in Millions)										FY 2014	FY 2015	FY 2016
Continue SDD support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities. Development Support decrease is due to across the board reduction between both services.												
Accomplishments/Planned Programs Subtotals										1,414.340	1,522.627	1,508.688
Other Service Funding Adjustment										813.980	987.331	990.708
Air Force Subtotals										600.360	535.296	517.980
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost	
• RDTEN: BA05: PE 604800N: JSF SDD (CV)	409.421	485.263	467.759	-	467.759	443.185	45.436	0.574	0.615	-	19,832.613	
• RDTEN: BA05: PE 604800M: JSF SDD (STOVL)	394.248	487.068	505.949	-	505.949	398.976	87.145	8.014	8.473	-	3,692.657	
• APAF: BA01: Line Item # ATA000: JSF CTOL,PE 207142F, BP10	2,889.602	3,691.046	5,260.212	-	5,260.212	5,356.041	6,109.330	6,023.688	5,526.504	-	50,007.077	
• APN: BA01: Line Item # 0147: JSF (CV), PE 204146N	1,028.415	848.552	897.542	-	897.542	848.056	1,217.562	1,496.303	1,606.088	32,734.961	51,085.532	
• APN: BA01: Line Item # 0147C: JSF Advance Procurement (CV),PE 204146N	79.016	29.400	48.630	-	48.630	91.908	111.898	126.003	204.132	3,733.206	5,719.322	
• APAF: BA01:ATA000: JSF CTOL Advance Procurement, PE 207142F, BP10 AP	339.533	291.880	460.260	-	460.260	528.560	522.180	497.720	506.000	19,787.624	24,451.221	
• APN: BA01: Line Item #0152: JSF (STOVL), PE 204146M	1,172.248	1,184.410	1,483.414	-	1,483.414	2,049.754	2,713.087	2,796.129	2,810.155	26,147.806	43,146.851	
• APN: BA01: 0152C: JSF Advance Procurement (STOVL),PE 204146M	103.195	143.885	203.060	-	203.060	226.148	136.872	139.562	142.353	2,900.408	4,834.934	
• International 2: International Production	1,954.600	2,975.641	4,175.668	-	4,175.668	6,006.257	7,809.829	7,962.298	7,166.485	Continuing	Continuing	
• OPN: USMC: F-35 B Milcon	-	71.704	21.960	-	21.960	219.100	64.660	121.990	119.800	642.400	1,966.114	
• OPN: BA03: 4267: JSF Logistics Information Systems (ALIS), PE 204261N	3.389	-	-	-	-	-	-	-	-	-	19.105	

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C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost	
• OPN: BA 03; 4268: JSF Aviation Support Equipment ALIS Ship Alts	-	5.516	3.893	-	3.893	2.136	3.909	3.774	3.854	Continuing	Continuing	
• OPN:BP 902010 BA 03: ALIS Spares and Repair Parts	1.010	1.576	2.946	-	2.946	1.948	1.940	1.957	1.995	Continuing	Continuing	
• APAF: BA06: Line Item # F03500: JSF Initial Spares, PE 0207142F, BP16	91.414	236.418	238.673	-	238.673	245.991	326.971	368.702	372.588	-	-	
• APN: BA06: 0605: Initial Spares (CV), PE 204146N	25.809	28.200	59.914	-	59.914	58.795	42.726	35.247	38.394	-	-	
• APN: BA06: 0605: Initial Spares (STOVL), PE 204146M	88.304	64.194	111.569	-	111.569	76.703	29.756	100.362	136.763	-	-	
• MILCON: BA01: PE 207142F: JSF Military Construction	56.000	66.700	132.850	-	132.850	124.000	-	-	-	1,328.000	2,238.050	
• USN MILCON: BA01: USN JSF Military Construction	-	60.200	72.460	-	72.460	11.800	-	-	-	-	144.460	
• MILCON: BA01: PE 207597F: JSF Military Construction	-	-	65.400	-	65.400	34.000	18.900	21.000	-	-	139.300	
• RDT&E: BA07: PE 027142F: JSF Follow-on Development (FoD), BPAC 675346	3.000	24.477	110.428	-	110.428	243.520	311.476	334.116	340.093	Continuing	Continuing	
• RDT&E: BA07: PE 0207142F: Dual Capable Aircraft (DCA), BPAC 676011	-	15.615	4.967	-	4.967	25.795	27.770	37.681	49.575	Continuing	Continuing	
• International: International SDD	10.311	15.000	17.000	-	17.000	22.000	27.450	-	-	Continuing	Continuing	
• International 3: International FoD	0.610	21.086	79.318	-	79.318	128.965	157.602	169.315	171.636	Continuing	Continuing	
• OPAF: BA01: 821800: Joint Strike Fighter, PE 0207142F	1.431	4.463	3.858	-	3.858	2.333	2.374	2.415	-	Continuing	Continuing	
• APN: BA05: BP0593: Modifications (CV), PE 204146N	29.950	20.502	68.527	-	68.527	47.294	50.707	17.214	17.484	Continuing	Continuing	
• RDTE: BA05: PE 0604800F: JSF Deployability and Suitability Enhancements, BPAC 653832	16.200	32.593	71.461	-	71.461	-	-	-	-	-	134.421	

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C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
• RDTEN: BA05: PE 604800M: F-35B Sustainment/ Capability Enhancements (STOVL), BPAC 3350	14.332	11.980	31.952	-	31.952	-	-	-	-	-	58.264
• RDTEN: BA05: PE 604800N, BPAC 3352: F-35C Sustainment/ Capability Enhancements (CV)	14.419	16.997	36.977	-	36.977	-	-	-	-	-	68.393
• RDTEN:BA05: PE 604810M: F-35B Follow-on Development (STOVL), BPAC 2935	-	10.399	59.265	-	59.265	120.028	157.257	168.502	171.946	Continuing	Continuing
• RDTEN:BA05 PE0604800N: CVF-35 Follow-on-Development (CV) RDTE FoD CDD C261	1.500	-	-	-	-	-	-	-	-	-	1.500
• APN: BA05: BP0592: Modifications (STOVL), PE 204146M	111.158	215.819	256.106	-	256.106	170.624	175.250	16.752	17.641	Continuing	Continuing
• RDTEN:BA05: PE 0604810N: F-35C Follow-on Development (CV), BPAC 2936	-	10.622	47.579	-	47.579	103.564	134.250	145.580	148.975	Continuing	Continuing
• APAF: BA05: F03500: JSF Modifications, PE 20742F, BP11	126.777	187.646	70.167	-	70.167	310.237	294.229	260.071	259.791	Continuing	Continuing
• RDTEN:BA05 PE0604800M: CVF-35 Follow-on-Development (STOVL) RDTE FoD CDD C260	1.500	-	-	-	-	-	-	-	-	-	-
Remarks											
This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between the Department of the Navy and the Department of the Air Force and currently resides with the Navy. Program Element 0604800N/0604800M continues USN development efforts budgeted in 0603800N prior to FY2002. The United Kingdom and other International countries are participants in the SDD phase of JSF.											
Note: The USAF/USN/USMC PROCUREMENT line include Aircraft Procurement and Advanced Procurement only. Initial Spares and Repair Parts for all Services are reflected in separate lines. International Partner Funding includes funds provided under the Italy and Netherlands Bilateral agreements.											

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

Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
RELATED RDT&E: Funding prior to JSF SDD (FY94-FY01): USN PE 0603800N \$1,950,617; USAF PE 0603800F \$1,907,352; DARPA PE 0603800E \$118,056; and International Partner contributions of \$253.921 for a total of \$4,229,896.											

D. Acquisition Strategy

The SDD 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.

On 25 April 2011, the Department of Defense terminated the development of the General Electric Rolls-Royce Fighter Engine Team F136 propulsion system.

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.

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 provide logistics support for delivered aircraft, Performance-Based Logistics cost-type contracts will be awarded to Lockheed Martin Aeronautics Company and Pratt & Whitney.

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.

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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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force												Date: February 2015			
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Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	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	31,070.274	825.130	Dec 2013	673.983	Dec 2014	799.105	Dec 2015	-		799.105	1,065.949	34,434.441	27,535.632
Lockheed Martin - IDIQ D0022	SS/ Various	Lockheed Martin : Ft. Worth, TX	27.025	0.120	Dec 2014	-		-		-		-	-	27.145	85.000
Lockheed Martin - IDIQ 0005	SS/ Various	Lockheed Martin : Ft. Worth, TX	2.230	0.675	Dec 2013	1.200		-		-		-	-	4.105	-
Lockheed Martin - IDIQ D0009	SS/ Various	Lockheed Martin : Ft. Worth, TX	16.759	-		-		-		-		-	-	16.759	68.500
Lockheed Martin - BOA	SS/ Various	Lockheed Martin : Ft. Worth, TX	3.511	-		102.000		-		-		-	-	105.511	30.000
Lockheed Martin - LRIP 0003	SS/CPFF	Lockheed Martin : Ft. Worth, TX	0.000	-	Dec 2014	0.135		-		-		-	-	0.135	0.135
Pratt & Whitney - SDD	SS/CPAF	Pratt &Whitney : Hartford, CT	7,518.892	148.826	Dec 2013	195.378	Dec 2014	177.048	Dec 2015	-		177.048	55.381	8,095.525	6,810.646
Pratt & Whitney - Close Out Contract C0132	SS/CPFF	Pratt &Whitney : Hartford, CT	1.364	-		-		-		-		-	-	1.364	1.364
Pratt & Whitney - CDP Close Out Contract C0050	SS/CPAF	Pratt &Whitney : Hartford, CT	2.211	-		-		-		-		-	-	2.211	2.211
Pratt & Whitney - BOA	SS/CPFF	Pratt &Whitney : Hartford, CT	35.983	-		-		-		-		-	-	35.983	35.983
Pratt & Whitney - IDIQ	SS/ Various	Pratt &Whitney : Hartford, CT	10.925	-		-		-		-		-	-	10.925	10.925
General Electric - SDD	SS/ Various	FET : Cincinnati, OH	2,160.573	-		-		-		-		-	-	2,160.573	2,415.492
General Electric - IDIQ D0009	SS/ Various	FET : Cincinnati, OH	0.264	-		-		-		-		-	-	0.264	0.264
General Electric - IDIQ D0074	SS/ Various	FET : Cincinnati, OH	4.175	-		-		-		-		-	-	4.175	4.175
General Electric - F136 Transition	SS/CPFF	FET : Cincinnati, OH	100.400	-		-		-		-		-	-	100.400	100.400
General Electric - BOA	SS/ Various	FET : Cincinnati, OH	5.548	-		-		-		-		-	-	5.548	5.548

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force												Date: February 2015			
Appropriation/Budget Activity 3600 / 5						R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD				Project (Number/Name) 653831 / Joint Strike Fighter					
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
General Electric - Phase IIib	SS/CPAF	FET : Cincinnati, OH	382.753	-		-		-		-		-	-	382.753	382.750
Systems Engineering	Various	Various : Various,	380.697	18.473	Nov 2013	22.367	Nov 2014	22.646	Nov 2015	-		22.646	14.366	458.549	-
Subtotal			41,723.584	993.224		995.063		998.799		-		998.799	1,135.696	45,846.366	-
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AFFTC/Eglin	Various	Various : Various,	112.290	9.690	Nov 2013	7.712	Nov 2014	6.244	Nov 2015	-		6.244	6.752	142.688	-
AFLCMC/AFRL	Various	AFLCMC/AFRL : Various,	61.065	1.834	Nov 2013	1.927	Nov 2014	3.565	Nov 2015	-		3.565	1.228	69.619	-
Bolling AFB	Various	Bolling AFB : Washington, DC	6.775	-		-		-		-		-	-	6.775	-
DMEA	Various	DMEA : Wright Patterson, AFB, OH	5.630	-		-		-		-		-	-	5.630	-
ESC	Various	ESC : Various,	7.103	-		-		-		-		-	-	7.103	-
AFTOC/Fuel	Various	Various : Various,	155.502	16.158	Nov 2013	37.073	Dec 2014	20.115	Nov 2015	-		20.115	-	228.848	-
NADEP Jacksonville	Various	NADEP : Jacksonville, FL	9.525	-	Nov 2013	-		-		-		-	-	9.525	-
Miscellaneous	Various	Various : Various,	85.874	13.432	Nov 2013	28.843	Nov 2014	22.315	Nov 2015	-		22.315	19.245	169.709	-
NAWC China Lake	Various	NAWC WD : China Lake, CA	115.896	24.450	Nov 2013	17.306	Nov 2014	18.659	Nov 2015	-		18.659	11.536	187.847	-
NAWC TSD	Various	NAWC TSD : Orlando, FL	11.609	-		-		-		-		-	-	11.609	-
NAWC Patuxent River	Various	NAWC AD : Patuxent River, MD	344.363	24.711	Nov 2013	35.420	Nov 2013	27.994	Nov 2015	-		27.994	18.104	450.592	-
NSWC	Various	Various : Various,	3.813	-		-		-		-		-	-	3.813	-
SPAWAR	Various	Various : Various,	8.434	-		-		-		-		-	-	8.434	-
SBIR Technology Insertion Congressional Add	Various	Various : Various,	24.187	-		-		-		-		-	-	24.187	-
DFAS	Various	Various : Various,	0.000	-		-		-		-		-	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force												Date: February 2015			
Appropriation/Budget Activity 3600 / 5						R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD				Project (Number/Name) 653831 / Joint Strike Fighter					
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			952.066	90.275		128.281		98.892		-		98.892	56.865	1,326.379	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
NAWC Patuxent River	Various	NAWC AD : Patuxent River, MD	497.459	94.849	Nov 2013	128.007	Nov 2014	172.360	Nov 2015	-		172.360	-	892.675	-
NAWC China Lake	Various	NAWC WD : China Lake, CA	35.213	2.735	Nov 2013	2.383	Nov 2014	2.383	Nov 2015	-		2.383	2.383	45.097	-
Edwards AFB	Various	Edwards AFB : Edwards AFB, CA	484.744	64.769	Nov 2013	69.390	Nov 2014	73.535	Nov 2015	-		73.535	13.101	705.539	-
Other (including Classified PIDs)	Various	Various : Various,	112.744	57.117	Nov 2013	65.161	Nov 2014	55.204	Dec 2015	-		55.204	4.134	294.360	-
JITC	Various	JITC : Various,	0.000	-		-		-		-		-	-	-	-
WEPS/Eglin	Various	WEPS : Eglin AFB, FL	27.829	-		-		-		-		-	-	27.829	-
OT - AFOTEC/AFFTC	Various	OT AFOTEC/ AFFTC : Various,	129.427	28.601	Nov 2013	65.060	Nov 2014	35.600	Nov 2015	-		35.600	173.208	431.896	-
OT - JITC/OPTEV	Various	OT JITC/OPTEV : Various,	8.363	7.988	Nov 2013	20.709	Nov 2014	24.414	Nov 2015	-		24.414	15.565	77.039	-
Subtotal			1,295.779	256.059		350.710		363.496		-		363.496	208.391	2,474.435	-
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	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	10.938	1.021	Dec 2013	-	Dec 2014	-		-		-	-	11.959	18.731
Security - Mantech	C/FP	Mantech : Arlington, VA	65.899	9.000	Dec 2013	-	Dec 2014	-		-		-	-	74.899	94.474
Autolog - SEIT - DRC	C/CPFF	DRC : Arlington, VA	2.573	-		-		-		-		-	-	2.573	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force												Date: February 2015			
Appropriation/Budget Activity 3600 / 5						R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD				Project (Number/Name) 653831 / Joint Strike Fighter					
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Chief Engineer - First Principles	C/CPFF	First Principles : Arlington, VA	6.840	1.919	Dec 2013	2.000	Dec 2014	-		-		-	-	10.759	11.852
AFLCMC Civilian Pay	Various	AFLCMC : Wright Patterson AFB, OH	36.354	26.697	Oct 2013	27.994	Oct 2014	28.120	Oct 2015	-		28.120	17.418	136.583	-
OPS - Wyle	C/CPAF	Not specified. : ,	126.371	1.109		-		-		-		-	-	127.480	-
Operations - SAFTAS	C/CPAF	SAFTAS : Arlington, VA	142.970	-	Dec 2013	-		-		-		-	-	142.970	192.329
OPS- CGI BOSS	C/CPAF	TBD : Arlington, VA	202.077	14.009	Dec 2013	-		-		-		-	-	216.086	-
OPS-Jacobs BOSS	Various	TBD : Arlington, VA	0.000	6.208	Oct 2013	-		-		-		-	-	6.208	-
OPS- Allutiiq/E3	C/CPAF	TBD : Arlington, VA	0.700	0.717	Nov 2013	0.727	Nov 2014	0.536	Nov 2015	-		0.536	1.705	4.385	-
OPS - Cost/FM/EV	Various	TBD : Arlington, VA	0.000	2.000	Nov 2013	-	Nov 2014	3.457	Nov 2015	-		3.457	7.193	12.650	-
Andrews AFB	Various	TBD : Camp Springs, MD	0.000	0.135	Nov 2013	1.494	Nov 2014	0.135	Nov 2015	-		0.135	0.270	2.034	-
GE F136 Congressional Studies	Various	Various : Various,	0.800	-		-		-		-		-	-	0.800	-
Facilities BOSS	C/CPAF	Varioous : Various,	11.079	6.514	Nov 2013	8.775		7.476	Nov 2015	-		7.476	16.818	50.662	-
CIO ODCs	C/CPAF	Various : Various,	2.767	4.126	Nov 2013	5.775		5.907	Nov 2015	-		5.907	6.779	25.354	-
Travel	C/CPAF	Various : Various,	17.501	1.327	Nov 2013	1.808	Nov 2014	1.870	Nov 2015	-		1.870	3.552	26.058	-
Subtotal			626.869	74.782		48.573		47.501		-		47.501	53.735	851.460	-
			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Subtotals			44,598.298	1,414.340		1,522.627		1,508.688		-		1,508.688	1,454.687	50,498.640	-
Other Service Funding Adjustment			24,694.529	813.980		987.331		990.708		-		990.708	-	27,486.548	2,635.387
Project Cost Totals			19,903.769	600.360		535.296		517.980		-		517.980	1,454.687	50,498.640	-
Remarks															
NOTE 1: Prior Years reflect \$19,903.759M USAF/\$17,980.360M USN/\$1,802.784M USMC /\$4,911.395 International/Total \$44,598.298															
FY 2014 reflects \$600.360 USAF/\$409.421M USN/\$394.248M USMC/\$10.311M International/Total \$1,414.340M															
FY 2015 reflects \$535.296M USAF/\$485.263M USN/\$487.068M USMC/\$15.000M International/Total \$1,522.627M															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force							Date: February 2015		
Appropriation/Budget Activity 3600 / 5				R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD		Project (Number/Name) 653831 / Joint Strike Fighter			
	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
FY 2016 reflects \$517.980M USAF/\$467.759 USN/\$505.949M USMC/\$17.000M International/Total \$1,508.688M									
NOTE 2: R-2A/R-3 displays total combined program (i.e. not Service specific), including International partners.									
F-35 EMD Includes: USAF PE 0604800F BPAC 653831 USN PE 0604800N Project Unit 2261 USMC PE 0604800M Project Unit 2262									
D&S Includes: USAF PE 0604800F BPAC 653832 USN PE 0604800N Project Unit 3352 USMC PE 0604800M Project Unit 3350									
F-35 FoD includes: USAF: PE 0207142F BPAC 675346 USN: FY13 PE 0604800N BPAC 2261 USN: FY14 PE 0604800N BPAC 3353 USN: FY15 PE 0604810N BPAC 2936 USMC: FY13 PE 0604800M BPAC 2262 USMC: FY14 PE 0604800M BPAC 3351 USMC: FY15 PE 0604810M BPAC 2935									

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force

Date: February 2015

Appropriation/Budget Activity

3600 / 5

R-1 Program Element (Number/Name)

PE 0604800F / F-35 - EMD

Project (Number/Name)

653831 / Joint Strike Fighter

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Acquisition Milestones: STOVL Initial Operational Capability																												
Acquisition Milestones: CTOL Initial Operational Capability																												
Acquisition Milestones: CV Initial Operational Capability																												
Test & Evaluation: Block 2B DT&E/Cert																												
Test & Evaluation: Block 3I DT&E/Cert																												
Test & Evaluation: Block 3F DT&E/Cert																												
Test & Evaluation: Initial Operational Test and Evaluation (IOT&E)																												
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY14																												
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY15																												
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY16																												
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY17																												
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY18																												
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY19																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force

Date: February 2015

Appropriation/Budget Activity

3600 / 5

R-1 Program Element (Number/Name)

PE 0604800F / F-35 - EMD

Project (Number/Name)

653831 / Joint Strike Fighter

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY20																												
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 8 Full Funding / Production / Delivery																												
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 9 Full Funding / Production / Delivery																												
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 10 Full Funding / Production / Delivery																												
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 11 Full Funding / Production / Delivery																												
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 12 Full Funding / Production / Delivery																												
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 13 Full Funding / Production / Delivery																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force			Date: February 2015
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653831 / Joint Strike Fighter	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Acquisition Milestones: STOVL Initial Operational Capability	4	2015	4	2015
Acquisition Milestones: CTOL Initial Operational Capability	4	2016	4	2016
Acquisition Milestones: CV Initial Operational Capability	4	2018	4	2018
Test & Evaluation: Block 2B DT&E/Cert	1	2015	3	2015
Test & Evaluation: Block 3I DT&E/Cert	2	2015	2	2016
Test & Evaluation: Block 3F DT&E/Cert	2	2017	1	2018
Test & Evaluation: Initial Operational Test and Evaluation (IOT&E)	3	2016	1	2019
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY14	4	2014	4	2014
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY15	4	2015	4	2015
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY16	4	2016	4	2016
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY17	4	2017	4	2017
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY18	4	2018	4	2018
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY19	4	2019	4	2019
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY20	4	2020	4	2020
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 8 Full Funding / Production / Delivery	1	2015	4	2017
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 9 Full Funding / Production / Delivery	1	2016	2	2018

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force	Date: February 2015
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Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653831 / Joint Strike Fighter
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Events	Start		End	
	Quarter	Year	Quarter	Year
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 10 Full Funding / Production / Delivery	2	2016	2	2019
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 11 Full Funding / Production / Delivery	2	2017	4	2020
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 12 Full Funding / Production / Delivery	2	2018	4	2020
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 13 Full Funding / Production / Delivery	2	2019	4	2020

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600 / 5					R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD				Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
653832: JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT	14.167	16.200	32.593	71.461	-	71.461	-	-	-	-	-	134.421
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Total cost including United States Navy (USN), United States Marine Corps (USMC), and United States Air Force (USAF) funding is: FY14 \$44.951M, FY15 \$61.570M, and FY16 \$140.390M

R-2A table shown above reflect service funding only.

R-2A (section B)/R-3 displays total combined program (i.e. not Service-specific), including International partners.

In FY16, Project number 653832 JSF Deployability and Suitability Enhancement is expected to complete.

D&S Includes:

USAF PE 64800F BPAC 653832

USN PE 0604800N Project Unit 3352

USMC PE 0604800M Project Unit 3350

A. Mission Description and Budget Item Justification

Funds enhancements to the deployability and suitability of the air system such as low observable (LO) maintenance enhancements, security architecture updates, redesign of obsolete items 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 Operational Flight Program (OFP) development. Funding will result in achieving targeted suitability, maintainability, and affordability returns employing the F-35 in deployed or austere locations and incorporates provisions for future EW Sensor Capability.

Funding at the accomplishment/planned program level is reported as the total of all services as these activities support all aircraft variants. The annual funding contribution between the USN and USMC is approximately equal.

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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Exhibit R-2A, RDT&E Project Justification: PB 2016 Air Force			Date: February 2015		
Appropriation/Budget Activity 3600 / 5		R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD		Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2014	FY 2015	FY 2016
Title: Sustainment and Capability Enhancements (F-35 JSF) Description: Apply disciplined systems engineering, refinement of requirements, develop and acquire suitability and maintainability of the air system such as decentralized maintenance capabilities, LO maintenance enhancements, security architecture updates, redesign of obsolete items and integrated training simulators. FY 2014 Accomplishments: Continued development enhancement support for Deployable Autonomic Logistics Information System, decentralized maintenance capabilities, Low Observable maintenance enhancements, security architecture updates, redesign of obsolete items and integrated training simulators. Funding incorporates provisions for future EW Sensor Capability. FY 2015 Plans: Conduct systems engineering, technology maturation, integration and test planning for Deployability and Suitability enhancements. Funding incorporates provisions for future EW Sensor Capability. FY 2016 Plans: Continue to conduct systems engineering, technical maturation, integration and test planning for suitability and deployability enhancements. Increase is to perform sustaining engineering, development and test activities necessary to gain capacity, compatibility, and expansion in wiring, power, wing conduits, etc. in support of electronic warfare.			30.477	42.236	121.797
Title: Development Support (F-35 JSF) Description: SDD support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities. FY 2014 Accomplishments: Continued development enhancement support for Deployable Autonomic Logistics Information System, decentralized maintenance capabilities, Low Observable maintenance enhancements, security architecture updates, redesign of obsolete items and integrated training simulators. FY 2015 Plans: Continue development enhancement support for Deployable Autonomic Logistics Information System, decentralized maintenance capabilities, Low Observable maintenance enhancements, security architecture updates, redesign of obsolete items, and integrated training simulators. FY 2016 Plans:			11.846	14.745	14.417

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Air Force									Date: February 2015		
Appropriation/Budget Activity 3600 / 5				R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD				Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT			
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2014	FY 2015	FY 2016
Continue SDD support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities.											
Title: Development Test and Evaluation									2.628	4.589	4.176
Description: Verification and testing for deployability and suitability enhancements.											
FY 2014 Accomplishments: Initiated verification of test articles, evaluation strategy and metrics in preparation for testing of deployability and suitability enhancements.											
FY 2015 Plans: Complete verification of test articles, evaluation strategy and metrics in preparation for testing of deployability and suitability enhancements.											
FY 2016 Plans: Complete verification of test articles, evaluation strategy and metrics in preparation for testing of deployability and suitability enhancements.											
Accomplishments/Planned Programs Subtotals									44.951	61.570	140.390
Other Service Funding Adjustment									28.751	28.977	68.929
Air Force Subtotals									16.200	32.593	71.461
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
• RDTEN: BA05: PE 0604800N: JSF SDD (CV)	409.421	485.263	467.759	-	467.759	443.185	45.436	0.574	0.615	-	-
• RDTEN: BA05: PE 0604800M: JSF SDD (STOVL)	394.248	487.068	505.949	-	505.949	398.976	87.145	8.014	8.473	-	-
• APAF: BA01: ATA000: JSF CTOL,PE 0207142F, BP10	2,889.602	3,691.046	5,260.212	-	5,260.212	5,356.041	6,109.330	6,023.688	5,526.504	-	-
• APAF: BA01: Line Item # ATA000: JSF CTOL Advance Procurement, PE 0207142F, BP10 AP	339.533	291.880	460.260	-	460.260	528.560	522.180	497.720	506.000	19,787.624	24,451.221

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600 / 5				R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD				Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT				
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost	
• APN: BA01: BP0147: JSF (CV), PE 204146N	1,028.415	848.552	897.542	-	897.542	848.056	1,217.562	1,496.303	1,606.088	32,734.961	51,085.532	
• APN: BA01: BP0147C: JSF Advance Procurement (CV), PE 204146N	79.016	29.400	48.630	-	48.630	91.908	111.898	126.003	204.132	3,733.206	5,719.322	
• APN: BA01: BP0152: JSF (STOVL), PE 204146M	1,172.248	1,184.410	1,483.414	-	1,483.414	2,049.754	2,713.087	2,796.129	2,810.155	26,147.806	43,146.851	
• APN: BA01: BP0152C: JSF Advance Procurement (STOVL),PE 204146M	103.195	143.885	203.060	-	203.060	226.148	136.872	139.562	142.353	2,900.408	4,834.934	
• International 2: JSF International Production	1,954.600	2,975.641	4,175.668	-	4,175.668	6,006.257	7,809.829	7,962.298	7,166.485	Continuing	Continuing	
• OPN: USMC: F-35B Milcon	-	71.704	21.960	-	21.960	219.100	64.660	121.990	119.800	642.400	1,966.114	
• OPN: BA03: BP4267: JSF Logistics Information Systems (ALIS), PE 204261N	3.389	-	-	-	-	-	-	-	-	-	19.105	
• OPN: BA03 BP 902010: ALIS Spares and Repair Parts	1.010	1.576	2.946	-	2.946	1.948	1.940	1.957	1.995	Continuing	Continuing	
• OPN: BA03 BP4268: Aviation Support Equipment ALIS Ship Alts	-	5.516	3.893	-	3.893	2.136	3.909	3.774	3.854	Continuing	Continuing	
• APAF: BA06: ATA000: JSF Initial Spares	91.414	236.418	238.673	-	238.673	245.991	326.971	368.702	372.588	-	-	
• APN: BA06:BP0605: Initial Spares (CV), PE 204146N	25.809	28.200	59.914	-	59.914	58.795	42.726	35.247	38.394	-	-	
• RDTE: BA05: PE 0604800F: JSF SDD, BPAC 653831	600.360	535.296	517.980	-	517.980	323.446	114.595	5.291	5.365	-	-	
• APN: BA06: BP0605: Initial Spares (STOVL), PE 204146M	88.304	64.194	111.569	-	111.569	76.703	29.756	100.362	136.763	-	-	
• RDTEN: BA05: PE 604810M: F-35B Follow-on Development (STOVL), BPAC 2935	-	10.399	59.265	-	59.265	120.028	157.257	168.502	171.946	Continuing	Continuing	

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Air Force									Date: February 2015			
Appropriation/Budget Activity 3600 / 5				R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD				Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT				
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost	
• RDTEB: BA05 PE:604800N: F-35 RDTE FoD CDD (CV)	1.500	-	-	-	-	-	-	-	-	-	-	
• APN: BA05: BP0592: Modifications (STOVL), PE 204146M	111.158	215.819	256.106	-	256.106	170.624	175.250	16.752	17.641	Continuing	Continuing	
• MILCON: BA01: PE 207142F: JSF Military Construction	56.000	66.700	132.850	-	132.850	124.000	-	-	-	1,328.000	2,238.050	
• USN MILCON: BA01: USN JSF MILCON	-	60.200	72.460	-	72.460	11.800	-	-	-	-	144.460	
• MILCON: BA01: PE 207597F: JSF Military Construction	-	-	65.400	-	65.400	34.000	18.900	21.000	-	-	139.300	
• APAF: BA05: F03500: JSF Modifications, PE 20742F, BP11	126.777	187.646	70.167	-	70.167	310.237	294.229	260.071	259.791	Continuing	Continuing	
• RDTE: BA07: PE 207142F: JSF Follow-on Development (FoD), BPAC 675346	3.000	24.477	110.428	-	110.428	243.520	311.476	334.116	340.093	Continuing	Continuing	
• International: International SDD	10.311	15.000	17.000	-	17.000	22.000	27.450	-	-	Continuing	Continuing	
• International 3: International FoD	0.610	21.086	79.318	-	79.318	128.965	157.602	169.315	171.636	Continuing	Continuing	
• OPAF: BA01: 821800: Joint Strike Fighter, PE 0207152F	1.431	4.463	3.858	-	3.858	2.333	2.374	2.415	-	Continuing	Continuing	
• RDTEN:BA05: PE 604800M: F-35B Sustainment/ Capability Enhancements (STOVL), BPAC 3350	14.332	11.980	31.952	-	31.952	-	-	-	-	-	-	
• RDTEN: BA05: PE 604800N: F-35C Sustainment/Capability Enhancements (CV), BPAC 3352	14.419	16.997	36.977	-	36.977	-	-	-	-	-	68.393	
• RDTEN:BA05: PE 604810N: F-35C Follow-on Development (CV, BPAC 2936)	-	10.622	47.579	-	47.579	103.564	134.250	145.580	148.975	Continuing	Continuing	
• RDTEN:BA05 PE 0604800M: CVF-35 Follow-on-Development (STOVL) RDTE FoD CDD C260	1.500	-	-	-	-	-	-	-	-	-	-	

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Air Force										Date: February 2015	
Appropriation/Budget Activity 3600 / 5				R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD				Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
• RDTE: BA07:PE 207142F: Dual Capable Aircraft (DCA), BPAC 676011	-	15.615	4.967	-	4.967	25.795	27.770	37.681	49.575	-	-
• APN: BA05: BP0593: Modifications (CV), PE 204146N	29.950	20.502	68.527	-	68.527	47.294	50.707	17.214	17.484	Continuing	Continuing
Remarks											
This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between the Department of the Navy and the Department of the Air Force and currently resides with the Navy. Program Element 0604800N/0604800M continues USN development efforts budgeted in 0603800N prior to FY2002. The United Kingdom and other International countries are participants in the SDD phase of JSF.											
Note: The USAF/USN/USMC PROCUREMENT line include Aircraft Procurement and Advanced Procurement only. Initial Spares and Repair Parts for all Services are reflected in separate lines. International Partner Funding includes funds provided under the Italy and Netherlands Bilateral agreements.											
RELATED RDT&E: Funding prior to JSF SDD (FY94-FY01): USN PE 0603800N \$1,950,617; USAF PE 0603800F \$1,907,352; DARPA PE 0603800E \$118,056; and International Partner contributions of \$253.921 for a total of \$4,229,896.											
D. Acquisition Strategy											
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.											
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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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force												Date: February 2015			
Appropriation/Budget Activity 3600 / 5						R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD				Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT					
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Prime LM Deployability & Suitability Enhancements	SS/CPAF	LM : Ft Worth, TX	0.000	30.837	Mar 2014	42.236	Mar 2015	121.797	Mar 2016	-		121.797	-	194.870	194.870
Subtotal			0.000	30.837		42.236		121.797		-		121.797	-	194.870	194.870
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support	TBD	Various : Various,	14.167	10.846	Mar 2014	13.745	Mar 2015	13.417	Mar 2016	-		13.417	-	52.175	-
Subtotal			14.167	10.846		13.745		13.417		-		13.417	-	52.175	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WR	Various : Various,	0.000	2.268	Jun 2014	4.589	Jun 2015	4.176	Jun 2016	-		4.176	-	11.033	-
Subtotal			0.000	2.268		4.589		4.176		-		4.176	-	11.033	-
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support	Various	Various : Various,	0.000	1.000	Dec 2013	1.000	Dec 2014	1.000	Dec 2015	-		1.000	-	3.000	-
Subtotal			0.000	1.000		1.000		1.000		-		1.000	-	3.000	-
			Prior Years	FY 2014	FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract	
Cost Category Subtotals			14.167	44.951	61.570		140.390		-		140.390	-	261.078	-	
Other Service Funding Adjustment			0.000	28.751	28.977		68.929		-		68.929	-	126.657	-	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force										Date: February 2015				
Appropriation/Budget Activity 3600 / 5					R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD				Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT					
		Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			14.167	16.200		32.593		71.461		-	71.461	-	134.421	-
Remarks														
NOTE: Prior Years reflect \$14.167 USAF/Total \$14.167														
FY 2014 reflects \$16.200M USAF/\$14.419M USN/\$14.332M USMC/\$0.000M International/Total \$44.951M														
FY 2015 reflects \$32.593M USAF/\$16.997M USN/\$11.980M USMC/\$0.000M International/Total \$61.570M														
FY 2016 reflects \$71.461M USAF/\$36.977M USN/\$31.952M USMC/\$0.000M International/Total \$140.390M														
R-2A (section B)/R-3 displays total combined program (i.e. not Service-specific), including International partners.														
JSF EMD Includes: USAF PE 0604800F BPAC 653831 USN PE 0604800N Project Unit 2261 USMC PE 0604800M Project Unit 2262														
D&S Includes: USAF PE 0604800F BPAC 653832 USN PE 0604800N Project Unit 3352 USMC PE 0604800M Project Unit 3350														

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force										Date: February 2015			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)			
3600 / 5					PE 0604800F / F-35 - EMD					653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT			

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
ALIS Security Architecture Contract Award																												
Deployment and Suitability Enhancement Efforts																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force		Date: February 2015
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
ALIS Security Architecture Contract Award	3	2016	3	2016
Deployment and Suitability Enhancement Efforts	3	2014	4	2016