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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	42,199.538	642.349	440.745	516.456	-	516.456	613.245	525.959	176.407	171.098	Continuing	Continuing
2261: Joint Strike Fighter EMD	42,069.810	624.872	424.253	485.263	-	485.263	537.152	402.492	18.485	1.083	Continuing	Continuing
3194: Joint Reprogramming Center	129.728	17.477	-	-	-	-	-	-	-	-	-	147.205
3352: F-35C Sustainment/ Capability Enhancements	0.000	-	14.992	16.997	-	16.997	16.977	-	-	-	-	48.966
3353: F-35C Follow-on Development	0.000	-	-	14.196	-	14.196	59.116	123.467	157.922	170.015	Continuing	Continuing
9999: Congressional Adds	0.000	-	1.500	-	-	-	-	-	-	-	-	1.500
MDAP/MAIS Code: 198												
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
The F-35 Lightning II Fighter program is developing a family of highly common, affordable, next generation, multi-role aircraft to meet the needs of the USMC, USN, USAF and international partners. The three variants are the F-35A Conventional Takeoff and Landing (CTOL); F-35B Short Takeoff and Vertical Landing (STOVL); and the F-35C Carrier Variant (CV). Maximum commonality among the variants, consistent with National Disclosure Policy, will minimize life cycle costs. FY2015 continues development and testing of the F-35. As the initial capabilities are being delivered from the System Development and Demonstration (SDD) program, planning for Follow-on Development (FoD) continues. Capability requirements are being matured and FoD planning continues based upon the approved Fifth Generation Fighter Modernization Initial Capabilities Document (ICD), an approved Electronic Warfare ICD, and the results of an OSD Tiger Team Review. FY14 F-35 FoD activity supports development of Follow-on Development Increment 1 Capability Development Document (CDD). Follow-on Development will provide capability enhancements, required systems upgrades and cost improvements through an incremental acquisition approach.												
Additionally, the F-35 JSF Operational Requirements Document (ORD) calls for the F-35A (CTOL) Variant Air Vehicle to have the capabilities and provisions for Dual Capable Aircraft (DCA) operations in the first post SDD block upgrade. DCA refers to the capability to carry and deliver conventional and non-conventional weapons. DCA operation for the F-35A is internal carriage of two B-61s. Due to extensive certification requirements, the DCA capability planning and design will begin in Block 4A and continue through testing and to extensive certification requirements, the DCA capability planning and design will begin in Block 4A and continue through testing and certification in Block 4B.												
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.												

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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						
JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under SDD because it includes those projects that have passed Milestone B approval and are conducting engineering and manufacturing development tasks aimed at meeting validated requirement prior to full-rate production decision.						
B. Program Change Summary (\$ in Millions)		FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget		743.926	534.187	605.174	-	605.174
Current President's Budget		642.349	440.745	516.456	-	516.456
Total Adjustments		-101.577	-93.442	-88.718	-	-88.718
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-94.942			
• Congressional Rescissions		-	-			
• Congressional Adds		-	1.500			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-21.541	-			
• Rate/Misc Adjustments		-	-	-88.718	-	-88.718
• Congressional General Reductions Adjustments		-56.319	-	-	-	-
• Congressional Directed Reductions Adjustments		-23.717	-	-	-	-
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 9999: Congressional Adds					FY 2013	FY 2014
Congressional Add: JSF Block 4 - USN Cong					-	1.500

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Congressional Add Details (\$ in Millions, and Includes General Reductions)		FY 2013	FY 2014
Congressional Add Subtotals for Project: 9999		-	1.500
Congressional Add Totals for all Projects		-	1.500

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 2261 / Joint Strike Fighter EMD			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
2261: Joint Strike Fighter EMD	42,069.810	624.872	424.253	485.263	-	485.263	537.152	402.492	18.485	1.083	Continuing	Continuing
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
Note												
Total cost including United States Navy (USN), United States Marine Corps (USMC), International partner contributions and United States Air Force (USAF) funding are: FY13 \$2,528.415M, FY14 \$1,453.860M, and FY15 \$1,514.181M R-2 data reflects variant unique funding only.												
R2A 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.												
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												
JSF Follow on Development Includes: USAF PE 0207142F BPAC 675346 USN 0604800N Project Unit 3353 USMC PE 0604800M Project Unit 3351												
JSF Dual Capability Aircraft Includes: USAF PE 0207142F BPAC 676011												

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Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD	Project (Number/Name) 2261 / Joint Strike Fighter EMD		
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 USN, USAF, USMC 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 aircraft, primary air-to-ground 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 Carrier Variant (CV) will provide the Department of the Navy 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 Joint Strike Fighter program. The program shown here reflects United States Navy (USN), United States Marine Corps, United States Air Force (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				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014	FY 2015
Title: System Development and Demonstration (SDD)		1,667.182	458.938	667.565
Articles:		-	-	-
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 2013 Accomplishments: Continue SDD execution of Air System (Lockheed Martin), including International Commonality Effort. Efforts include airframe, vehicle systems, mission systems, autonomic logistics, systems engineering, and integrated test efforts.				
FY 2014 Plans:				

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014	FY 2015
Continue SDD execution of Air System Lockheed Martin, including International Commonality Effort which include, airframe, vehicle systems, mission systems, autonomic logistics, systems engineering, and integrated test efforts. Activity aligned to IMS with planned completion of SDD in 2018. FY 2015 Plans: Continue SDD execution of Air System Lockheed Martin, including International Commonality Effort which include, airframe, vehicle systems, mission systems, autonomic logistics, systems engineering, and integrated test efforts. Activity aligned to IMS with planned completion of SDD in 2018.				
Title: F135 Propulsion System Articles: Description: SDD execution of the F135 Propulsion System (Pratt & Whitney) including International Commonality Effort; includes testing, autonomic logistics, integration & performing technology maturation efforts. FY 2013 Accomplishments: Continue SDD execution of F135 Propulsion System (Pratt & Whitney), including engine testing, autonomic logistics, integration and performing technology maturation efforts. FY 2014 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 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.		340.219 -	359.749 -	229.175 -
Title: Systems Engineering (SE) Articles: Description: SDD SE including systems operations requirements analysis, program integration, requirements integration, and interoperability support. FY 2013 Accomplishments: Continue SDD SE that includes systems operations requirements analysis, program integration, requirements integration, and interoperability support. FY 2014 Plans:		50.495 -	36.395 -	29.901 -

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014	FY 2015
Continued SDD SE that includes systems operations requirements analysis, program integration, requirements intergration, and interoperability support.				
FY 2015 Plans: Continue SDD SE, including systems operations requirements analysis, program integration, requirements integration, and interoperability support.				
Title: Development Test and Evaluation (DT&E)		360.658	464.985	477.990
Articles:		-	-	-
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 2013 Accomplishments: Continue government DT&E/OT in support of test aircraft. Continue flight sciences testing of CTOL, STOVL, and CV variants to expand air vehicle envelope and support mission systems testing (include initial Block 2B). Elements of DT&E include preparation for flight testing, weapons integration testing, and component capabilities testing.				
FY 2014 Plans: Continue government DT&E/OT in support of test aircraft. Continue flight sciences testing of CTOL, STOVL, and CV variants to expand air vehicle envelope and support mission systems testing (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 in support of test aircraft. Continue flight sciences testing of CTOL, STOVL, and CV variants to expand air vehicle envelope and support mission systems testing. Elements of DT&E include flight testing, weapons integration testing, and component capabilities testing.				
Title: Development Support		109.861	133.793	109.550
Articles:		-	-	-
Description: SDD Support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities.				
FY 2013 Accomplishments: Continue SDD support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities.				
FY 2014 Plans:				

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Appropriation/Budget Activity 1319 / 5				R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 2261 / Joint Strike Fighter EMD			
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015
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 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.											
Accomplishments/Planned Programs Subtotals									2,528.415	1,453.860	1,514.181
RDT&E,AF 0604800F									1,115.712	612.254	535.420
International Partner (SDD)									148.772	18.030	6.430
RDT&E,N (USMC) 0604800M/2262									639.059	399.323	487.068
Navy Subtotals									624.872	424.253	485.263
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• RDT&E/0604800F: Joint Strike Fighter SDD	1,115.712	612.254	535.420	-	535.420	522.575	327.100	115.413	5.250	-	22,021.781
• International: International Partner (SDD/FOD)	148.772	18.030	6.430	-	6.430	2.600	8.080	3.040	-	-	4,949.575
• APAF/0207142F: F-35 Joint Strike Strike Fighter	2,532.184	2,889.602	3,553.046	-	3,553.046	5,138.558	5,262.325	5,943.415	5,770.781	148,305.400	192,028.494
• RDT&E/0604800M/2262: JT Strike Fighter (JSF) - EMD	639.059	399.323	487.068	-	487.068	525.008	393.609	84.467	10.892	-	3,703.262
• APN/0605B: F-35 Joint Strike Fighter STOVL Spares	91.752	41.707	85.194	-	85.194	111.105	65.194	153.914	69.699	Continuing	Continuing
• APN/0147C: F-35 Joint Strike Fighter CV AP	30.699	79.016	29.400	-	29.400	73.800	123.000	196.768	246.000	3,605.667	5,648.780
• APN/0605C: F-35 Joint Strike Fighter CV Spares	26.089	42.060	28.200	-	28.200	28.200	136.134	101.997	201.771	Continuing	Continuing
• MC/0207142F: USAF MILCON	13.513	23.500	39.900	-	39.900	14.900	3.250	61.000	-	Continuing	Continuing

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C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost	
• APAF/0204142F: USAF Modification Funding	80.715	126.777	187.646	-	187.646	221.826	250.178	254.903	262.733	Continuing	Continuing	
• FOD/0207142F 675346: USAF Follow-on Development	-	3.000	28.051	-	28.051	117.812	244.464	313.398	336.942	-	1,043.667	
• 0207142F/USAF: USAF Spares	163.151	89.050	236.418	-	236.418	270.431	278.552	380.165	457.051	Continuing	Continuing	
• OPN/4267: Logistics Information System (ALIS)	2.824	3.427	-	-	-	-	-	-	-	-	6.251	
• USAF/OPAF PE 27142F: OPAF	338.000	1.431	4.463	-	4.463	3.858	2.333	2.374	2.415	Continuing	Continuing	
• APN/0592: F-35 STOVL Series	-	111.158	285.968	-	285.968	278.596	173.231	178.035	181.759	Continuing	Continuing	
• APN/0593: F-35 CV Series	-	29.950	20.502	-	20.502	37.336	47.953	51.409	53.388	Continuing	Continuing	
• RDT&E/0604800M/3350: F-35B Sustainment/ Capability Enhancements	-	14.904	11.980	-	11.980	11.952	-	-	-	-	38.836	
• RDT&E/0604800M/3351: F-35B Follow-on Development	-	-	13.973	-	13.973	59.885	120.644	157.796	168.923	-	521.221	
• USAF SDD BP 653832: Deployability and Suitability Enhancements	14.167	16.200	32.593	-	32.593	29.657	-	-	-	-	92.617	
• PAF/0207142F: JSF CTOL Advance Procurement	293.400	339.533	291.880	-	291.880	438.808	528.560	522.180	497.720	18,140.460	22,285.046	
• DCA/0207142F 676011: Dual Capable Aircraft (DCA)	-	-	15.615	-	15.615	-	-	-	-	-	15.615	
• APN/0147: F-35 Joint Strike Fighter CV	808.000	1,028.415	610.652	-	610.652	629.916	1,135.967	1,394.026	1,974.142	30,575.452	47,756.623	
• APN/0152C: F-35 Joint Strike Fighter STOVL AP	98.061	103.195	143.885	-	143.885	203.057	226.014	136.732	139.330	3,044.411	4,836.075	
• APN/0152: F-35 Joint Strike Fighter STOVL	1,094.421	1,176.498	1,200.410	-	1,200.410	1,451.916	2,061.990	2,726.113	2,810.778	27,238.439	41,455.992	
• USN MILCON: USN JSF MILCON	117.600	209.000	320.500	-	320.500	151.700	48.100	-	169.700	660.900	2,259.300	
• RDT&E/0604800N/3194: USN USRL	17.477	-	-	-	-	-	-	-	-	-	147.205	

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C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• International 2:	1,487.584	1,924.048	3,205.900	-	3,205.900	6,109.330	7,280.752	6,686.294	4,192.377	-	34,149.323
International Procurement											
• OPN/4268: Logistics	-	-	6.016	-	6.016	3.946	2.262	4.122	3.969	9.408	29.723
Information System (ALIS)											
• MC/0207597F: USAF MILCON	-	32.500	26.800	-	26.800	35.500	11.400	74.850	-	Continuing	Continuing
Remarks											
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 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.											
E. Performance Metrics											
The following are the key performance parameters from the F-35 Selected Acquisition Report dated 31 December 2012: Performance Metrics reflect Key Program Performance data. Combat Radius											

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Conventional Take Off and Landing Does Not Meet Requirement Carrier Variant (CV) Meets Tripwire Requirement Short Take Off Vertical Landing (STOVL) Meets/Exceeds Tripwire Requirement CV Recovery Maximum Approach Speed Meets Requirement In Tripwire Band STOVL Performance Flat Deck (High-High-High Profile Fuel) Meets Requirement In Tripwire Band Ski Jump (High-Medium-Medium-High Profile Fuel) Meets Requirement In Tripwire Band Vertical Landing Bring Back Meets Requirement In Tripwire Band Interoperability Net Ready Criteria- Meets Requirement In Tripwire Band Radio Frequency Signature Meets/Exceeds Tripwire Requirement Force Protection CB Pilot Protection (New Key Performance Parameters Per CN3) - Meets/Exceeds Tripwire Requirement Mission Reliability Conventional Take Off and Landing (CTOL) Meets/Exceeds Tripwire Requirement Carrier Variant (CV) Exceeds Operational Requirements Document Objective Short Takeoff and Vertical Landing (STOVL) United States Marine Corps (USMC) Meets/Exceeds Tripwire Requirement STOVL United Kingdom (UK) Meets/Exceeds Tripwire Requirement Sortie Generation Rate CTOL Meets/Exceeds Tripwire Requirement CV Meets/Exceeds Tripwire Requirement STOVL USMC Meets/Exceeds Tripwire Requirement STOVL UK Meets/Exceeds Tripwire Requirement Logistics Footprints CTOL Meets/Exceeds Tripwire Requirement STOVL USMC Meets/Exceeds Tripwire Requirement		

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Logistics Footprint- Volume CV Exceeds Operational Requirements Document (ORD) Objective STOVL USMC Exceeds ORD Objective STOVL UK Meets/Exceeds Tripwire Requirement Logistics Footprint-Weight CV Exceeds ORD Objective STOVL USMC Exceeds ORD Objective STOVL UK Meets/Exceeds Tripwire Requirement		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 2261 / Joint Strike Fighter EMD					
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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	29,342.589	1,665.258	Oct 2012	458.938	Dec 2013	667.564	Dec 2014	-		667.564	1,758.561	33,892.910	33,892.910
Lockheed Martin - IDIQ D0022	SS/IDIQ	Lockheed Martin : Ft. Worth, TX	26.477	1.327	Oct 2012	-		-		-		-	-	27.804	27.804
Lockheed Martin 09-D-0005	SS/IDIQ	Lockheed Martin : Ft. Worth, TX	0.903	0.597	Nov 2012	-		-		-		-	-	1.500	1.500
Lockheed Martin - IDIQ D0009	SS/IDIQ	Lockheed Martin : Ft. Worth, TX	16.759	-		-		-		-		-	-	16.759	16.759
Lockheed Martin - BOA	SS/BOA	Lockheed Martin : Ft. Worth, TX	3.511	-		-		-		-		-	-	3.511	3.511
Pratt and Whitney - SDD	C/CPAF	Pratt and Whitney : Hartford, CT	7,184.247	340.219	Oct 2012	359.749	Dec 2013	229.175	Dec 2014	-		229.175	259.821	8,373.211	8,373.211
Pratt and Whitney - Close Out Contract C0132	C/CPFF	Pratt and Whitney : Hartford, CT	1.364	-		-		-		-		-	-	1.364	1.364
Pratt and Whitney - Close Out Contract C0050	SS/CPFF	Pratt and Whitney : Hartford, CT	2.211	-		-		-		-		-	-	2.211	2.211
Pratt and Whitney - BOA	SS/BOA	Pratt and Whitney : Hartford, CT	35.983	-		-		-		-		-	-	35.983	35.983
Pratt and Whitney - IDIQ	SS/IDIQ	Pratt and Whitney : Hartford, CT	10.925	-		-		-		-		-	-	10.925	10.925
General Electric - SDD	SS/CPAF	FET : Cincinnati, OH	2,160.573	-		-		-		-		-	-	2,160.573	2,160.573
General Electric - IDIQ D0009	SS/IDIQ	FET : Cincinnati, OH	0.264	-		-		-		-		-	-	0.264	0.264
General Electric - IDIQ D0074	SS/IDIQ	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/BOA	FET : Cincinnati, OH	5.548	-		-		-		-		-	-	5.548	5.548
General Electric - Phase IIIb	SS/CPAF	FET : Cincinnati, OH	382.753	-		-		-		-		-	-	382.753	382.753
Systems Engineering	Various	Various : Various	339.051	39.434	Nov 2012	32.188	Nov 2013	25.671	Nov 2014	-		25.671	72.732	509.076	509.076
Subtotal			39,617.733	2,046.835		850.875		922.410		-		922.410	2,091.114	45,528.967	45,528.967

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 2261 / Joint Strike Fighter EMD					
Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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	Eglin AFB : Eglin, FL	104.588	7.702	Oct 2012	5.416	Nov 2013	8.613	Nov 2014	-		8.613	8.890	135.209	-
ASC/AFRL	Various	ASC/AFRL : Wright Patterson AFB, OH	56.631	4.507	Oct 2012	2.525	Nov 2013	1.548	Nov 2014	-		1.548	2.775	67.986	-
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 : Hanscom AFB, MA	7.103	-		-		-		-		-	-	7.103	-
AEDC/Fuel	Various	Various : Various	149.426	17.375	Nov 2012	18.753	Nov 2013	17.215	Nov 2014	-		17.215	11.995	214.764	-
NADEP Jacksonville	Various	NADEP : Jacksonville, FL	9.525	-		-		-		-		-	-	9.525	-
Miscellaneous	Various	Various : Various	76.845	13.959	Nov 2012	37.488	Nov 2013	28.736	Nov 2014	-		28.736	40.063	197.091	-
NAWC China Lake	Various	NAWC WD : China Lake, CA	110.595	7.340	Nov 2012	20.710	Nov 2013	15.187	Nov 2014	-		15.187	21.398	175.230	-
NAWC Patuxent River	Various	NAWC AD : Patuxent River, MD	318.273	35.749	Nov 2012	29.621	Nov 2013	29.368	Nov 2014	-		29.368	42.931	455.942	-
NAWC TSD	Various	NAWC TSD : Orlando, FL	11.609	-		-		-		-		-	-	11.609	-
NSWC	Various	Various : Various	3.813	-		-		-		-		-	-	3.813	-
SPAWAR	Various	Various : Various	8.434	-		-		-		-		-	-	8.434	-
DFAS	Various	Various : Various	0.000	-		-		-		-		-	-	-	-
SBIR Technology Insertion Congressional Add	Various	Various : Various	24.187	-		-		-		-		-	-	24.187	-
Subtotal			893.434	86.632		114.513		100.667		-		100.667	128.052	1,323.298	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 2261 / Joint Strike Fighter EMD					
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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 China Lake	Various	NAWC WD : China Lake, CA	31.523	3.690	Nov 2012	3.820	Nov 2013	4.971	Nov 2014	-		4.971	14.913	58.917	-
NAWC Patuxent River	Various	NAWC AD : Patuxent River, MD	404.071	115.715	Nov 2012	153.350	Nov 2013	183.426	Nov 2014	-		183.426	172.360	1,028.922	-
Edwards AFB	Various	Edwards AFB : Edwards AFB, CA	407.325	77.419	Nov 2012	130.000	Nov 2013	100.775	Nov 2014	-		100.775	108.049	823.568	-
Other (including Classified PIDs)	Various	Various : Various	55.605	63.637	Nov 2012	61.803	Nov 2013	69.754	Nov 2014	-		69.754	77.756	328.555	-
WEPS/Eglin	Various	WEPS/Eglin : Various	27.829	-		-		-		-		-	-	27.829	-
JTIC	Various	Various : Various	0.000	-		-		-		-		-	-	-	-
OT-AFOTEC/AFFC	Various	OT-AFOTEC/ AFFTC : Kirkland AFB, NM/Eglin AFB, FL	107.802	12.152	Nov 2012	32.740	Nov 2013	89.876	Nov 2014	-		89.876	287.252	529.822	-
OT-JITC/OPTEV	Various	OT-JITC/OPTEC : Various	6.211	11.721	Oct 2012	-		-		-		-	-	17.932	-
Subtotal			1,040.366	284.334		381.713		448.802		-		448.802	660.330	2,815.545	-
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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	8.604	2.334	Dec 2012	3.248	Dec 2013	3.362	Dec 2014	-		3.362	-	17.548	17.548
Security Mantech	C/FP	Mantech : Arlington, VA	57.282	8.617	Dec 2012	11.600	Dec 2013	-		-		-	-	77.499	77.499
Business Integ - Acq PA Cons	Various	Various : Various	0.000	-		-		-		-		-	-	-	-
Autolog - SEIT DRC	C/CPFF	DRC : Arlington, VA	2.573	-		-		-		-		-	-	2.573	2.573
Chief Engineer - First Principles	C/CPFF	First Principles : Arlington, VA	5.004	1.836	Nov 2012	1.928	Dec 2013	2.024	Dec 2014	-		2.024	2.024	12.816	12.816

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 2261 / Joint Strike Fighter EMD					
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
ASC Civilian Pay	Various	ASC CIVPAY : Wright Patterson, AFB, OH	14.654	24.092	Oct 2012	18.586	Oct 2013	24.225	Oct 2014	-		24.225	36.450	118.007	-
Operations Wyle	C/CPFF	Wyle : Arlington, VA	102.871	23.500	Dec 2012	24.884	Dec 2013	-		-		-	-	151.255	151.255
Operations SAFTAS	C/CPAF	Saftas : Arlington, VA	122.263	20.707	Dec 2012	17.350	Dec 2013	-		-		-	-	160.320	160.320
Operations CGI BOSS	C/CPAF	Stanley : Arlington, VA	181.370	20.707	Oct 2012	24.604	Dec 2013	-		-		-	-	226.681	226.681
GE F136 Congressional Studies	Various	Various : Various	0.800	-		-		-		-		-	-	0.800	0.800
Travel and Misc	Various	Various : Various	15.771	1.736	Dec 2012	4.559	Nov 2013	1.816	Dec 2014	-		1.816	5.252	29.134	-
Facilities BOSS	Various	Various : Various	7.085	7.085	Oct 2012	-		10.875	Oct 2014	-		10.875	34.027	59.072	-
Subtotal			518.277	110.614		106.759		42.302		-		42.302	77.753	855.705	-
Remarks															
Cumulative Award Fee earned in prior years for Stanley is 99%.															
			Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Subtotals			42,069.810	2,528.415		1,453.860		1,514.181		-		1,514.181	2,957.249	50,523.515	-
RDT&E,AF 0604800F			-	1,115.712		612.254		535.420		-		535.420			-
International Partner (SDD)			-	148.772		18.030		6.430		-		6.430			-
RDT&E,N (USMC) 0604800M/2262			-	639.059		399.323		487.068		-		487.068			-
Project Cost Totals			42,069.810	624.872		424.253		485.263		-		485.263	2,957.249	50,523.515	-
Remarks															
NOTE 1: Prior Years reflect \$18,788.057M USAF/\$17,355.294M USN/\$1,163.836 USMC /\$4,762.623M International/Total \$42,069.810M															
FY 2013 reflects \$1,115.712 USAF/\$624.872M USN/\$639.059M USMC/\$148.772M International/Total \$2,528.415M															
FY 2014 reflects \$612.254M USAF/\$424.253M USN/\$399.323M USMC/\$18.030M International/Total \$1,453.860M															
FY 2015 reflects \$535.420M USAF/\$485.263 USN/\$487.068M USMC/\$6.430M International/Total \$1,514.181M															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy							Date: March 2014			
Appropriation/Budget Activity			R-1 Program Element (Number/Name)			Project (Number/Name)				
1319 / 5			PE 0604800N / JT Strike Fighter (JSF) - EMD			2261 / Joint Strike Fighter EMD				
	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract	
NOTE 2:R-2A/R-3 displays total combined program (i.e. not Service-specific), including International partners. Funding for JSF Engineering and Manufacturing Development (EMD) and JSF Deployability and Suitability Enhancements (D&S).										
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										
JSF Follow on Development Includes: USAF PE 0207142F BPAC 675346 USN FY13 PE 0604800N Project Unit 2261 USN FY14 PE 0604800N Project Unit 3353 USMC FY13 PE 0604800M Project Unit 2262 USMC FY14 PE 0604800M Project Unit 3351										

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy

Date: March 2014

Appropriation/Budget Activity

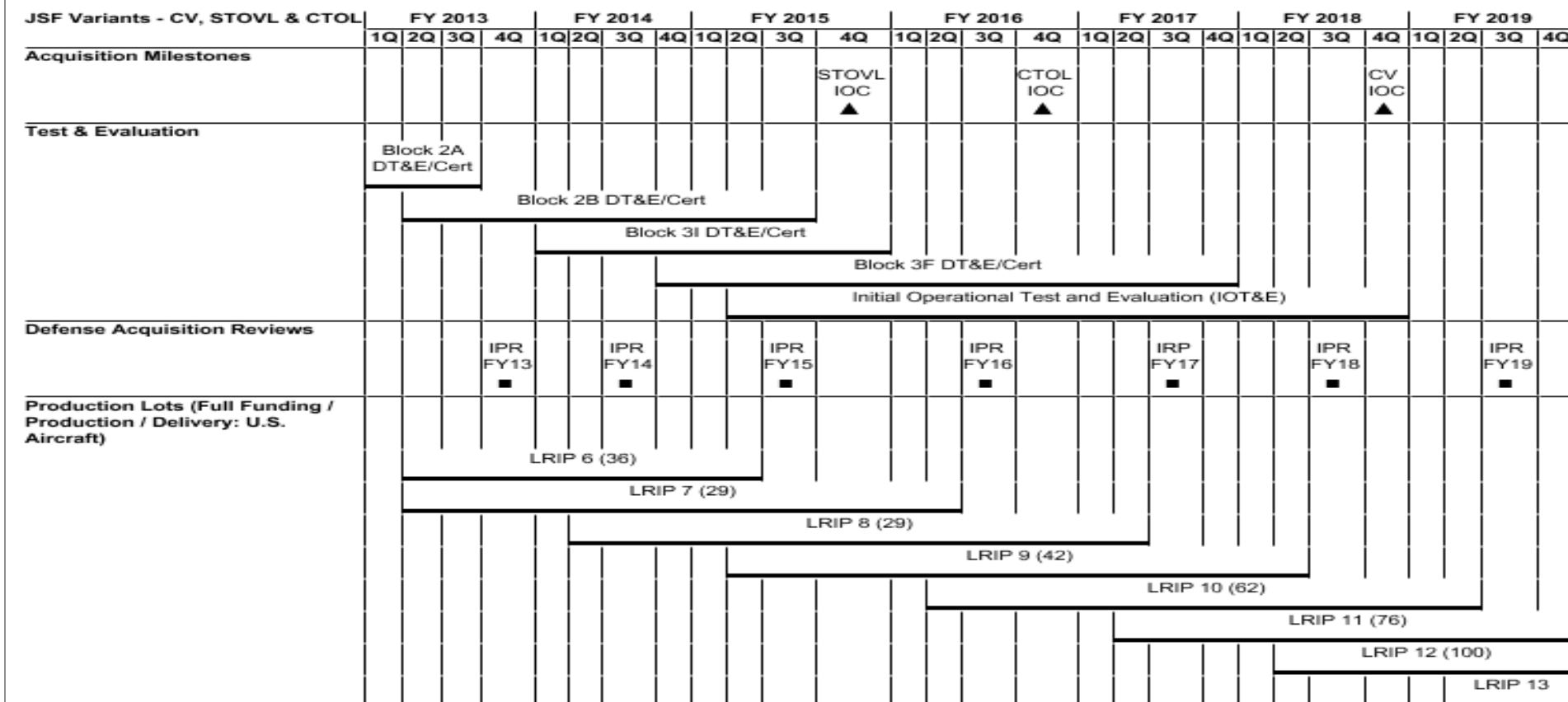
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R-1 Program Element (Number/Name)

PE 0604800N / JT Strike Fighter (JSF) - EMD

Project (Number/Name)

2261 / Joint Strike Fighter EMD



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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Navy			Date: March 2014
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD	Project (Number/Name) 2261 / Joint Strike Fighter EMD	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
JSF Variants - CV, STOVL & CTOL				
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: Test and Evaluation: Block 2A DT&E/Cert	1	2013	3	2013
Test & Evaluation: Test and Evaluation: Block 2B DT&E/Cert	2	2013	3	2015
Test & Evaluation: Test and Evaluation: Block 3I DT&E/Cert	1	2014	4	2015
Test & Evaluation: Test and Evaluation: Block 3F DT&E/Cert	4	2014	4	2017
Test & Evaluation: Test and Evaluation: Initial Operational Test and Evaluation (IOT&E)	2	2015	4	2018
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-13	4	2013	4	2013
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-14	3	2014	3	2014
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-15	3	2015	3	2015
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-16	3	2016	3	2016
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-17	3	2017	3	2017
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-18	3	2018	3	2018
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-19	3	2019	3	2019

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Navy			Date: March 2014		
Appropriation/Budget Activity 1319 / 5		R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD		Project (Number/Name) 2261 / Joint Strike Fighter EMD	
		Start		End	
Events by Sub Project		Quarter	Year	Quarter	Year
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 6 Full Funding / Production / Delivery		2	2013	2	2015
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 7 Full Funding / Production / Delivery		2	2013	2	2016
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 8 Full Funding / Production / Delivery		2	2014	2	2017
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 9 Full Funding / Production / Delivery		2	2015	2	2018
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	2019
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 12 Full Funding / Production / Delivery		2	2018	4	2019
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 13 Full Funding / Production / Delivery		2	2019	4	2019

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 3194 / Joint Reprogramming Center			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
3194: Joint Reprogramming Center	129.728	17.477	-	-	-	-	-	-	-	-	-	147.205
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
The United States Reprogramming Laboratory (USRL)/Capability Concept project, previously referred to as Joint Strike Fighter (JSF) Joint Reprogramming Center/ Capability Concept is required to adequately develop and maintain Operational Sensor Engineering F-35(V) Mission Data to support United States Navy, United States Marine Corps, and United States Air Force multi-mission objectives. USRL will allow rapid operational response to threat changes. Funding is provided for:												
- Aircraft sensor function and combat identification - Conducting Offensive Identification/Jamming of potential threats - Providing self defense against surface threats, air, and missile threats - Detecting and identifying targets, to include moving land, air, and missile targets - Providing mission planning to ensure aircraft survivability - Conducting offensive operations against surface threats - Conducting sensor management and information processing - Software development for this requirement is funded through the F-35 JSF System Development and Demonstration baseline												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: USRL Build Up									6.576	-	-	
									Articles: -	-	-	
FY 2013 Accomplishments: Provide funds to Lockheed Martin Aero in support of reprogramming techniques, development and verification capacity required to adjust to emergent threats, and validate system effectiveness to increase survivability of the weapon system. Perform USRL stand-up testing and acceptance tasks.												
FY 2014 Plans: N/A												
FY 2015 Plans: N/A												
Title: Development Support									10.901	-	-	

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy		Date: March 2014	
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD	Project (Number/Name) 3194 / Joint Reprogramming Center	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014
Articles: FY 2013 Accomplishments: Continue SDD SE including systems operations requirements analysis, program integration, requirements integration, and interoperability support of the USRL. FY 2014 Plans: N/A FY 2015 Plans: N/A		-	-
Accomplishments/Planned Programs Subtotals		17.477	-
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy			
The Joint Reprogramming Capability (JRC) is a subset of Joint Strike Fighter (JSF) Program and falls within JSF acquisition strategy. JRC is needed to support scheduled Initial Operational Capability dates (and supporting test activity) for three JSF variants. To that end, a concept of operations is being developed for JRC to address Mission Data development, verification/validation/testing, and to merge service unique requirements into Joint processes/procedures. Previously envisioned as a single facility, JRC is now comprised of two distinct facilities under JRC concept. The USRL will support U.S. Joint Service reprogramming requirements; the Partner Reprogramming Laboratory will focus on International Partner areas of interest. Inter-Service collaboration will eliminate duplication of effort, maximize technology to improve configuration control, employ advance networks, and ensure implementation of an enterprise (single shared database) solution. By capitalizing on legacy platform synergy, operational mission data intellect, proven processes, and existing reprogramming center resources, this approach will improve efficiencies. A Joint Command reprogramming authority will determine/manage reprogramming priorities and implementation authority. The USRL Mission data development strategy is based upon an assessment of legacy systems, F-22 data, corporate expertise at Eglin Air Force Base/Naval Air Warfare Center Weapons Division, personnel, adjusted cost and schedule projections keyed to complexity of multi-variant and multi-mission aircraft; JSF-specific utilization of multiple sources of non-sustained disparate, raw, intelligence data, development of threat assessment - metrics; and build-up of real-world scenarios for systems verification and validation. These efforts support JSF operational requirements, interoperability, and fratricide mitigation.			

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy		Date: March 2014
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD	Project (Number/Name) 3194 / Joint Reprogramming Center
Although the Joint Strike Fighter (JSF) Program has contracted with Lockheed Martin and Pratt & Whitney for System Development and Demonstration of JSF, contractors do not have laboratory space available or expertise to perform operational evaluation of lab and flight test data and support field recommendations to level needed. The complexity and magnitude of JSF mission data loads drives decision to utilize government and contractor resources to design and develop a Joint-Service reprogramming facility at Eglin Air Force Base. E. Performance Metrics United States Reprogramming Laboratory Stand-up - 4th Quarter FY 13		

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy

Date: March 2014

Appropriation/Budget Activity

1319 / 5

R-1 Program Element (Number/Name)

PE 0604800N / JT Strike Fighter (JSF) - EMD

Project (Number/Name)

3194 / Joint Reprogramming Center

JSF United States Research Laboratory (USRL)	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
USRL Implementation																												
USRL Standup				USRL STANDUP ▼																								
Verification and Validation Facility (VVF)																												
		ATP																										
		USRL IOC ▼																										
Electronic Warfare Verification Station (EWVS) and Reprogramming Facility (RF)																												
			ATP																									

2015DON - 0604800N - 3194

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 3352 / F-35C Sustainment/Capability Enhancements			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
3352: F-35C Sustainment/Capability Enhancements	-	-	14.992	16.997	-	16.997	16.977	-	-	-	-	48.966
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		

The FY 2015 OCO Request will be submitted at a later date.

Note
NOTE: * This Navy Project Unit (3352) was a New Start in Fiscal Year 2014.

Total cost including United States Navy (USN), United States Marine Corps (USMC), and United States Air Force (USAF) funding is: FY13 \$14.167M, FY14 \$46.096M, and FY15 \$61.570M

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. 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 System Development and Demonstration (SDD) program or tied to Block 4 Operational Flight Program development. Funding will result in achieving targeted suitability, maintainability, and affordability returns employing the F-35 in deployed or austere locations.

-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 United States Navy and United States Marine Corps is approximately equal.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015
Title: Sustainment and Capability Enhancements									-	31.622	42.236
Articles:									-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy			Date: March 2014		
Appropriation/Budget Activity 1319 / 5		R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD		Project (Number/Name) 3352 / F-35C Sustainment/Capability Enhancements	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2013	FY 2014	FY 2015
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 2013 Accomplishments: N/A FY 2014 Plans: Conduct systems engineering, technology maturation, integration and test planning for Deployability and Suitability enhancements. FY 2015 Plans: Continue to conduct systems engineering, technical maturation, integration and test planning for suitability and deployability enhancements.					
Title: Development Support Description: Initiate SDD support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities. FY 2013 Accomplishments: Continue SDD support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities. FY 2014 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 2015 Plans: Continue to initiate 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.			14.167	11.846	14.745
Articles:			-	-	-
Title: Development Test and Evaluation			-	2.628	4.589
Articles:			-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319 / 5				R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 3352 / F-35C Sustainment/Capability Enhancements				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2013	FY 2014	FY 2015
Description: Verification and testing for deployability and suitability enhancements												
FY 2013 Accomplishments: N/A												
FY 2014 Plans: Initiate verification of test articles, evaluation strategy and metrics in preparation for testing of deployability and suitability enhancements.												
FY 2015 Plans: Continue to initiate government test and evaluation of capability enhancements for Deployable Autonomic Logistics Information System, and LO maintenance enhancements.												
Accomplishments/Planned Programs Subtotals										14.167	46.096	61.570
RDT&E,N (USMC) 0604800M/3350										-	14.904	11.980
RDT&E,AF 0604800F/65832										14.167	16.200	32.593
Navy Subtotals										-	14.992	16.997
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost	
• RDT&E/0604800F: Joint Strike Fighter	1,115.712	612.254	535.420	-	535.420	522.575	327.100	115.413	5.250	-	22,021.781	
• International: International Partner (SDD/FOD)	148.772	18.030	6.430	-	6.430	2.600	8.080	3.040	-	-	4,949.575	
• APAF/0207142F: F-35 Joint Strike Fighter	2,532.184	2,889.602	3,553.046	-	3,553.046	5,138.558	5,262.325	5,943.415	5,770.781	148,305.400	192,028.494	
• RDT&E/0604800M/2262: JT Strike Fighter (JSF) - EMD	639.059	399.323	487.068	-	487.068	525.008	393.609	84.467	10.892	-	3,703.262	
• APN/0605B: F-35 Joint Strike Fighter STOVL Spares	91.752	41.707	85.194	-	85.194	111.105	65.194	153.914	69.699	Continuing	Continuing	
• APN/0147C: F-35 Joint Strike Fighter CV	30.699	79.016	29.400	-	29.400	73.800	123.000	196.768	246.000	3,605.667	5,648.780	

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy									Date: March 2014		
Appropriation/Budget Activity 1319 / 5				R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 3352 / F-35C Sustainment/Capability Enhancements			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• APN/0605C: F-35 Joint Strike Fighter CV Spares	26.089	42.060	28.200	-	28.200	28.200	136.134	101.997	201.771	Continuing	Continuing
• MC/0207142F: USAF MILCON	13.513	23.500	39.900	-	39.900	14.900	3.250	61.000	-	Continuing	Continuing
• APAF/0204142F: USAF Modification Funding	80.715	126.777	187.646	-	187.646	221.826	250.178	254.903	262.733	Continuing	Continuing
• FOD/0207142F: USAF Follow-on Development	-	3.000	28.051	-	28.051	117.812	244.464	313.398	336.942	-	1,043.667
• 0207142F/USAF: USAF Spares	163.151	89.050	236.418	-	236.418	270.431	278.552	380.165	457.051	Continuing	Continuing
• OPN/4267: Autonomic Logistics Information System (ALIS)	2.824	3.427	-	-	-	-	-	-	-	-	6.251
• USAF/OPAF PE 27142F: OPAF	338.000	1.431	4.463	-	4.463	3.858	2.333	2.374	2.415	Continuing	Continuing
• APN/0592: F-35 STOVL Series	-	111.158	285.968	-	285.968	278.596	173.231	178.035	181.759	Continuing	Continuing
• APN/0593: F-35 CV Series	-	29.950	20.502	-	20.502	37.336	47.953	51.409	53.388	Continuing	Continuing
• RDT&E/0604800M/3350: F-35C Sustainment/Capability Enhancements	-	14.904	11.980	-	11.980	11.952	-	-	-	-	38.836
• RDT&E/0604800M/3351: F-35C Follow-on Development	-	-	13.973	-	13.973	59.885	120.644	157.796	168.923	-	521.221
• USAF SDD BP 653832: Deployability and Suitability Enhancements	14.167	16.200	32.593	-	32.593	29.657	-	-	-	-	92.617
• PAF/0207142F: CTOL Advance Procurement	293.400	339.533	291.880	-	291.880	438.808	528.560	522.180	497.720	18,140.460	22,285.046
• DCA/0207142F: Dual Capable Aircraft (DCA)	-	-	15.615	-	15.615	-	-	-	-	-	15.615
• APN/0147: F-35 Joint Strike Fighter CV	808.000	1,028.415	610.652	-	610.652	629.916	1,135.967	1,394.026	1,974.142	30,575.452	47,756.623
• APN/0152C: Advance Procurement (STOVL) BP0152C	98.061	103.195	143.885	-	143.885	203.057	226.014	136.732	139.330	3,044.411	4,836.075
• APN/0152: Advance Procurement (STOVL) BP0152	1,094.421	1,176.498	1,200.410	-	1,200.410	1,451.916	2,061.990	2,726.113	2,810.778	27,238.439	41,455.992
• USN MILCON: USN JSF MILCON	117.600	209.000	320.500	-	320.500	151.700	48.100	-	169.700	660.900	2,259.300

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014	
Appropriation/Budget Activity 1319 / 5				R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 3352 / F-35C Sustainment/Capability Enhancements			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• USN RDT&E USRL: USN USRL	17.477	-	-	-	-	-	-	-	-	-	147.205
• International 2: International Procurement	1,487.584	1,924.048	3,205.900	-	3,205.900	6,109.330	7,280.752	6,686.294	4,192.377	-	34,149.323
• OPN/4268: Logistics Information System (ALIS)	-	-	6.016	-	6.016	3.946	2.262	4.122	3.969	9.408	29.723
• MC/0207597F: USAF MILCON	-	32.500	26.800	-	26.800	35.500	11.400	74.850	-	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
Implement Joint Strike Fighter Joint Executive Steering Board/Configuration Steering Board approved enhancements through existing contracts using the engineering change proposal process. When appropriate, new cost type contracts may be established.											
E. Performance Metrics											
The following are the key performance parameters from the F-35 Selected Acquisition Report dated 31 December 2012:											
Performance Metrics reflect Key Program Performance data.											
Combat Radius											
Conventional Take Off and Landing (CTOL) Does Not Meet Requirement											
Carrier Variant (CV) Meets Tripwire Requirement											
Short Take Off Vertical Landing (STOVL) Meets/Exceeds Tripwire Requirement											
CV Recovery											
Maximum Approach Speed Meets Requirement In Tripwire Band											
STOVL Performance											
Flat Deck (High-High-High Profile Fuel) Meets Requirement In Tripwire Band											
Ski Jump (High-Medium-Medium-High Profile Fuel) Meets Requirement In Tripwire Band											
Vertical Landing Bring Back Meets Requirement In Tripwire Band											
Interoperability											
Net Ready Criteria- Meets Requirement In Tripwire Band											

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy		Date: March 2014
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604800N / <i>JT Strike Fighter (JSF) - EMD</i>	Project (Number/Name) 3352 / <i>F-35C Sustainment/Capability Enhancements</i>
Radio Frequency Signature Meets/Exceeds Tripwire Requirement Force Protection CB Pilot Protection (New Key Performance Parameters Per CN3) - Meets/Exceeds Tripwire Requirement Mission Reliability CTOL Meets/Exceeds Tripwire Requirement CV Exceeds Operational Requirements Document Objective STOVL United States Marine Corps Meets/Exceeds Tripwire Requirement STOVL United Kingdom Meets/Exceeds Tripwire Requirement Sortie Generation Rate CTOL Meets/Exceeds Tripwire Requirement CV Meets/Exceeds Tripwire Requirement Short Take Off Vertical Landing (STOVL) United States Marine Corps Meets/Exceeds Tripwire Requirement STOVL UK Meets/Exceeds Tripwire Requirement Logistics Footprints Conventional Take Off and Landing (CTOL) Meets/Exceeds Tripwire Requirement STOVL USMC Meets/Exceeds Tripwire Requirement Logistics Footprint- Volume Carrier Variant (CV) Exceeds Operational Requirements Document (ORD) Objective STOVL USMC Exceeds ORD Objective STOVL UK Meets/Exceeds Tripwire Requirement Logistics Footprint-Weight Carrier Variant (CV)Exceeds Operations Requirements Document (ORD) Objective STOVL USMC Exceeds ORD Objective STOVL UK Meets/Exceeds Tripwire Requirement		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 3352 / F-35C Sustainment/Capability Enhancements					
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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	SS/CPAF	Lockheed Martin : Ft. Worth, TX	0.000	-		31.622	Mar 2014	42.236	Mar 2015	-		42.236	29.000	102.858	102.858
Subtotal			0.000	-		31.622		42.236		-		42.236	29.000	102.858	102.858
Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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	0.000	14.167	Oct 2013	10.846	Mar 2014	13.745	Mar 2015	-		13.745	-	38.758	-
Subtotal			0.000	14.167		10.846		13.745		-		13.745	-	38.758	-
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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	-		2.628	Jun 2014	4.589	Jun 2015	-		4.589	-	7.217	-
Subtotal			0.000	-		2.628		4.589		-		4.589	-	7.217	-
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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	TBD	Various : Various	0.000	-		1.000	Dec 2013	1.000	Dec 2014	-		1.000	0.657	2.657	-
Subtotal			0.000	-		1.000		1.000		-		1.000	0.657	2.657	-
			Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Subtotals			0.000	14.167		46.096		61.570		-		61.570	29.657	151.490	-
RDT&E,N (USMC) 0604800M/3350			-	-		14.904		11.980		-		11.980			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy										Date: March 2014			
Appropriation/Budget Activity 1319 / 5				R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 3352 / F-35C Sustainment/Capability Enhancements					
	Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
RDT&E,AF 0604800F/65832	-	14.167		16.200		32.593		-		32.593			-
Project Cost Totals	0.000	-		14.992		16.997		-		16.997	29.657	151.490	-
Remarks													
NOTE:													
FY 2013 reflects \$14.167USAF/Total \$14.167M													
FY 2014 reflects \$16.200M USAF/\$14.992M USN/\$0.000M USMC/\$14.904M International/Total \$46.096M													
FY 2015 reflects \$32.593M USAF/\$16.997M USN/\$11.980M USMC/\$0.000M International/Total \$61.570M													
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													
JSF Follow on Development Includes: USAF PE 0207142F BPAC 675346 USN PE 0608400N Project Unit 3353 USMC PE 0608400M Project Unit 3351													

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PE 0604800N: *JT Strike Fighter (JSF) - EMD*
Navy

R-1 Line #136

R-1 Program Element (Number/Name)
PE 0604800N / *JT Strike Fighter (JSF) - EMD*

Project (Number/Name)
3352 / F-35C Sustainment/Capability
Enhancements

Proj 3352		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
		1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
D&S																													

2015PB - 0604800N - 3352

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Navy		Date: March 2014
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604800N / <i>JT Strike Fighter (JSF) - EMD</i>	Project (Number/Name) 3352 / <i>F-35C Sustainment/Capability Enhancements</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Proj 3352</i>				
D&S: D&S Contract Award	3	2013	3	2013
D&S: D&S Deployment and Suitability Enhancements	3	2014	4	2016

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 3353 / F-35C Follow-on Development			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
3353: F-35C Follow-on Development	-	-	-	14.196	-	14.196	59.116	123.467	157.922	170.015	Continuing	Continuing
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
Note												
NOTE: * This Navy Project Unit (3353) is a New Start in Fiscal Year 2015.												
Total cost including USN, USMC, and USAF funding is: FY2014 \$3.000M FY15 \$56.220M												
R-2A table shown above reflects service funding only.												
R-2A (section B)/R-3 displays combined program for JSF Follow-on Development (FoD).												
JSF FoD Includes: USAF PE 0207142F BPAC 675346 USN PE 0604800N Project Unit 3353 USMC PE 0604800M Project Unit 3351												
A. Mission Description and Budget Item Justification												
F-35 FoD provides continuing incremental upgrades of the three F-35 variants and associated ground equipment. The FoD acquisition strategy is based upon incremental block development of capabilities with each increment consisting of two development cycles. FoD capability planning includes an efficient transition from F-35 SDD to Follow-on Development. As SDD development activities ramp down, the FoD program will assume responsibility for new development and the maintenance of associated developmental infrastructure. FoD capability planning includes Block 4A and 4B Engineering and Manufacturing Development efforts from FY16 through FY19 followed by DT and OT testing in 2020/2021 with IOC of capabilities in 2022.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Air Vehicle Follow-on Development									-	3.000	47.880	
									Articles: -	-	-	
Description: Capability planning effort will focus on mission requirements analysis, early engineering, risk reduction and												

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy		Date: March 2014		
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD	Project (Number/Name) 3353 / F-35C Follow-on Development		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014	FY 2015
preparations leading to formal acquisition approval of Block 4. Program planning will consist of engineering and development support for defining, managing and the acquisition of capability enhancements required to address threats indicated in the Electronic Warfare ICD, the Fifth Generation Fighter Modernization ICD.				
FY 2013 Accomplishments: N/A				
FY 2014 Plans: Development and validation of the FoD CDD.				
FY 2015 Plans: Requirements analysis and technical requirements development, systems engineering, and technical planning. A combined Systems Requirements Review and System Functional Review is planned followed by development of the Block 4 preliminary design.				
Title: Developmental Test and Evaluation		-	-	4.540
Articles:		-	-	-
Description: Initiate Laboratory and Test Aircraft Upgrade and other test planning activities required for Block 4 and later development , integration, test and evaluation. Changes are needed to support development and evaluation of improvements driven by changes in threat and as identified in the Electronic Warfare ICD and the Fith Generation Fighter Modernization ICD.				
FY 2013 Accomplishments: N/A				
FY 2014 Plans: Near term funding will support infrastructure upgrades required for development of enhanced capabilities. This includes replacement of engines and other life limited components on DT aircraft that will be at end of life upon completion of SDD, as well as laboratory upgrades to support development and verification of capabilities to address advanced threats.				
FY 2015 Plans: Funding will support infrastructure investment planning and prioritization required to maintain future development capability. This includes planning for long-lead procurement for replacement of engines and other life limited components on DT aircraft that will be at end of life upon completion of SDD, as well as laboratory upgrades required to support development and verification of capabilities in a relevant threat.				
Title: Development Support		-	-	3.800
Articles:		-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319 / 5				R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 3353 / F-35C Follow-on Development				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2013	FY 2014	FY 2015
Description: Technical and Analytical Support												
FY 2013 Accomplishments: N/A												
FY 2014 Plans: Initiate development support for defining, managing and acquiring the envisioned F-35C capability enhancements identified in approved requirements documents.												
FY 2015 Plans: Initiate development support for defining, managing and acquiring the envisioned F-35B capability enhancements identified in approved requirements documents.												
Accomplishments/Planned Programs Subtotals										-	3.000	56.220
RDT&E,N (USMC) 0604800M/3351										-	-	13.973
RDT&E,AF 0207142F/675346										-	3.000	28.051
Navy Subtotals										-	-	14.196
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost	
• RDT&E/0604800F: Joint Strike Fighter	1,115.712	612.254	535.420	-	535.420	522.575	327.100	115.413	5.250	-	22,021.781	
• International: International Partner (SDD/FOD)	148.772	18.030	6.430	-	6.430	2.600	8.080	3.040	-	-	4,949.575	
• APAF/0207142F: F-35 Joint Strike Strike Fighter	2,532.184	2,889.602	3,553.046	-	3,553.046	5,138.558	5,262.325	5,943.415	5,770.781	148,305.400	192,028.494	
• RDT&E/0604800M/2262: JT Strike Fighter (JSF) - EMD	639.059	399.323	487.068	-	487.068	525.008	393.609	84.467	10.892	-	3,703.262	
• APN/0605B: F-35 Joint Strike Fighter STOVL Spares	91.752	41.707	85.194	-	85.194	111.105	65.194	153.914	69.699	Continuing	Continuing	
• APN/0147C: F-35 Joint Strike Fighter CV	30.699	79.016	29.400	-	29.400	73.800	123.000	196.768	246.000	3,605.667	5,648.780	

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy									Date: March 2014		
Appropriation/Budget Activity 1319 / 5				R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 3353 / F-35C Follow-on Development			
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Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• APN/0605C: F-35 Joint Strike Fighter CV Spares	26.089	42.060	28.200	-	28.200	28.200	136.134	101.997	201.771	Continuing	Continuing
• MC/0207142F: USAF MILCON	13.513	23.500	39.900	-	39.900	14.900	3.250	61.000	-	Continuing	Continuing
• APAF/0204142F: USAF Modification Funding	80.715	126.777	187.646	-	187.646	221.826	250.178	254.903	262.733	Continuing	Continuing
• FOD/0207142F: USAF Follow-on Development	-	3.000	28.051	-	28.051	117.812	244.464	313.398	336.942	-	1,043.667
• 0207142F/USAF: USAF Spares	163.151	89.050	236.418	-	236.418	270.431	278.552	380.165	457.051	Continuing	Continuing
• OPN/4267: Autonomic Logistics Information System (ALIS)	2.824	3.427	-	-	-	-	-	-	-	-	6.251
• USAF/OPAF PE 27142F: OPAF	338.000	1.431	4.463	-	4.463	3.858	2.333	2.374	2.415	Continuing	Continuing
• APN/0592: F-35 STOVL Series	-	111.158	285.968	-	285.968	278.596	173.231	178.035	181.759	Continuing	Continuing
• APN/0593: F-35 CV Series	-	29.950	20.502	-	20.502	37.336	47.953	51.409	53.388	Continuing	Continuing
• RDT&E/0604800M/3350: F-35C Sustainment/ Capability Enhancements	-	14.904	11.980	-	11.980	11.952	-	-	-	-	38.836
• RDT&E/0604800M/3351: F-35C Follow-on Development	-	-	13.973	-	13.973	59.885	120.644	157.796	168.923	-	521.221
• USAF SDD BP 653832: Deployability and Suitability Enhancements	14.167	16.200	32.593	-	32.593	29.657	-	-	-	-	92.617
• PAF/0207142F: JSF CTOL Advance Procurement	293.400	339.533	291.880	-	291.880	438.808	528.560	522.180	497.720	18,140.460	22,285.046
• DCA/0207142F: Dual Capable Aircraft (DCA)	-	-	15.615	-	15.615	-	-	-	-	-	15.615
• APN/0147: F-35 Joint Strike Fighter CV	808.000	1,028.415	610.652	-	610.652	629.916	1,135.967	1,394.026	1,974.142	30,575.452	47,756.623
• APN/0152C: Advance Procurement (STOVL) BP0152C	98.061	103.195	143.885	-	143.885	203.057	226.014	136.732	139.330	3,044.411	4,836.075
• APN/0152: Advance Procurement (STOVL) BP0152	1,094.421	1,176.498	1,200.410	-	1,200.410	1,451.916	2,061.990	2,726.113	2,810.778	27,238.439	41,455.992
• USN MILCON: USN JSF MILCON	117.600	209.000	320.500	-	320.500	151.700	48.100	-	169.700	660.900	2,259.300

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014	
Appropriation/Budget Activity 1319 / 5				R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 3353 / F-35C Follow-on Development			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• USN RDT&E USRL: USN USRL	17.477	-	-	-	-	-	-	-	-	-	147.205
• International 2: International Procurement	1,487.584	1,924.048	3,205.900	-	3,205.900	6,109.330	7,280.752	6,686.294	4,192.377	-	34,149.323
• OPN/4268: Logistics Information System (ALIS)	-	-	6.016	-	6.016	3.946	2.262	4.122	3.969	9.408	29.723
• MC/0207597F: USAF MILCON	-	32.500	26.800	-	26.800	35.500	11.400	74.850	-	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
To enable the ability to adjust to potential discrepancies discovered during SDD Block 3 Test and Evaluation, the engineering and development planning support for FoD will be procured under a cost type contract. A fee provision will be used to target and motivate contractor performance. A separate Basic Ordering Agreement or Indefinite quantity/Indefinite Delivery contract is planned to provide a long term approach to upgrading and maintaining laboratories and test aircraft. Both Development Support and Management Services will primarily use CPFF Delivery Orders.											
E. Performance Metrics											
Overall FoD Performance Metrics will reflect Key Performance Parameters established in the F-35 FoD Capability Development Document.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD						Project (Number/Name) 3353 / F-35C Follow-on Development			
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
Requirements Analysis, Systems Engineering and Risk Reduction	SS/CPFF	Lockheed Martin : Ft. Worth, TX	0.000	-		-		48.623	Feb 2015	-		48.623	Continuing	Continuing	Continuing
Subtotal			0.000	-		-		48.623		-		48.623	-	-	-
Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
Technical and Analytic Support	SS/CPFF	Lockheed Martin : Ft. Worth, TX	0.000	-		3.000	Mar 2014	-		-		-	Continuing	Continuing	Continuing
Subtotal			0.000	-		3.000		-		-		-	-	-	-
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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
Laboratory and Test Aircraft Infrastructure	TBD	Lockheed Martin : Ft. Worth, TX	0.000	-		-		2.100	Jul 2015	-		2.100	Continuing	Continuing	Continuing
Subtotal			0.000	-		-		2.100		-		2.100	-	-	-
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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 and Milestone Preparations	Various	Various : Various	0.000	-		-		4.177	Dec 2014	-		4.177	Continuing	Continuing	Continuing
PMA	Various	Various : Various	0.000	-		-		1.320	Dec 2014	-		1.320	-	1.320	-
Subtotal			0.000	-		-		5.497		-		5.497	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014					
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD						Project (Number/Name) 3353 / F-35C Follow-on Development					
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 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		
Remarks																	
Cost to Complete, Total Cost, and Target Value are Continuing. When program baseline is estalished and development contract awarded, values will be established.																	
			Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract		
Cost Category Subtotals			0.000	-		3.000		56.220		-		56.220	-	-	-		
RDT&E,N (USMC) 0604800M/3351			-	-		-		13.973		-		13.973			-		
RDT&E,AF 0207142F/675346			-	-		3.000		28.051		-		28.051			-		
Project Cost Totals			0.000	-		-		14.196		-		14.196	-	-	-		
Remarks																	
NOTE:																	
FY 2014 reflects \$3.000M USAF/\$0.000 USN/\$0.000M USMC/\$0.000M International/Total \$3.000M																	
FY 2015 reflects \$28.051M USAF/\$14.196 USN/\$13.973M USMC/\$0.000M International/Total \$56.220																	
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																	
JSF Follow on Development Includes: USAF PE 0207142F BPAC 675346 USN PE 0608400N Project Unit 3353 USMC PE 0608400M Project Unit 3351																	
JSF Dual Capability Aircraft Includes:																	

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PE 0604800N: *JT Strike Fighter (JSF) - EMD*
Navy

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy

Date: March 2014

Appropriation/Budget Activity

1319 / 5

R-1 Program Element (Number/Name)

PE 0604800N / JT Strike Fighter (JSF) - EMD

Project (Number/Name)

3353 / F-35C Follow-on Development

Proj 3353	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Block 4																												
			Block 4A S/A																									
								Block 4A RD																				
										Block 4A RR																		
													Block 4A EMD															
													Block 4B S/A															
															Block 4B RD													
																	Block 4B RR											
																				Block 4B EMD								

2015PB - 0604800N - 3353

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Navy			Date: March 2014
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD	Project (Number/Name) 3353 / F-35C Follow-on Development	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Proj 3353</i>				
Block 4: Block 4A Requirements Decomposition	3	2014	2	2015
Block 4: Block 4A Risk Reduction	2	2015	3	2016
Block 4: Block 4A Engineering and Manufacturing Development	3	2016	4	2019
Block 4: Block 4B Studies and Analysis	3	2015	3	2016
Block 4: Block 4B Requirements Decomposition	3	2016	3	2017
Block 4: Block 4B Risk Reduction	3	2017	3	2018
Block 4: Block 4B Risk Engineering and Manufacturing Development	3	2018	4	2019

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014																	
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD				Project (Number/Name) 9999 / Congressional Adds																		
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost															
9999: <i>Congressional Adds</i>	-	-	1.500	-	-	-	-	-	-	-	-	1.500															
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-																	
# The FY 2015 OCO Request will be submitted at a later date. A. Mission Description and Budget Item Justification Congressional Add. Provides funding to produce, staff, and gain approval of a Block 4 Capability Development Document. B. Accomplishments/Planned Programs (\$ in Millions) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>FY 2013</th> <th>FY 2014</th> </tr> </thead> <tbody> <tr> <td>Congressional Add: JSF Block 4 - USN Cong</td> <td>-</td> <td>1.500</td> </tr> <tr> <td>FY 2013 Accomplishments: N/A</td> <td></td> <td></td> </tr> <tr> <td>FY 2014 Plans: N/A</td> <td></td> <td></td> </tr> <tr> <td>Congressional Adds Subtotals</td> <td>-</td> <td>1.500</td> </tr> </tbody> </table> C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy Not required for Congressional Add. E. Performance Metrics Not required for Congressional Add.														FY 2013	FY 2014	Congressional Add: JSF Block 4 - USN Cong	-	1.500	FY 2013 Accomplishments: N/A			FY 2014 Plans: N/A			Congressional Adds Subtotals	-	1.500
	FY 2013	FY 2014																									
Congressional Add: JSF Block 4 - USN Cong	-	1.500																									
FY 2013 Accomplishments: N/A																											
FY 2014 Plans: N/A																											
Congressional Adds Subtotals	-	1.500																									