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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy	DATE: February 2012
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>				PE 0604800N: <i>JT Strike Fighter (JSF) - EMD</i>							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	654.198	658.549	743.926	-	743.926	702.100	584.341	458.302	349.869	Continuing	Continuing
2261: <i>Joint Strike Fighter EMD</i>	615.706	631.836	724.392	-	724.392	702.100	584.341	458.302	349.869	Continuing	Continuing
3194: <i>Joint Reprogramming Center</i>	38.492	26.713	19.534	-	19.534	-	-	-	-	0.000	84.739

Note

Effective in FY 11 budget year, the F-35B United States Marine Corps (USMC) Short Take-off Vertical Landing (STOVL) and F-35C United States Navy (USN) Carrier Variant (CV) budgets are reported against separate budget line items and PEs. Starting in FY 11, F-35B budget is reported against PE 0604800M. The F-35C USN budget continues to report under PE 0604800N.

A. Mission Description and Budget Item Justification

The F-35 Lightning II Joint Strike Fighter (JSF) program will develop and field a family of aircraft that meets needs of USN, United States Air Force (USAF), USMC, and allies, with maximum commonality among variants, consistent with National Disclosure Policy, to minimize life cycle costs. This is a joint program with no executive service. Navy and Air Force each provide approximately equal shares of annual funding to the program. The United Kingdom, other International countries, and Foreign Military Sales cases are also participants in JSF program. The program shown here reflects USN, USMC, USAF, and International Partner funding. The top line PE cost (R-2) reflects USN F-35C CV budgetary information only. However, funding at accomplishment/planned program level (R-2A) is reported in total (all services and partners) as activities support all aircraft variants.

The System Development and Demonstration (SDD) budget funds a total quantity of 20 RDT&E test articles, to include 6 ground test articles and 14 flight test articles for Navy and Air Force use. The following reflects the scheduled first flight of each flight test asset or production line roll out of each ground test asset:

FY07: 1 Conventional Take Off and Landing (CTOL) flight test article
FY08: 1 Short Take Off Vertical Landing (STOVL) flight test article, 1 STOVL ground test article
FY09: 1 STOVL flight test article, 2 CTOL ground test articles
FY10: 6 flight test articles (3 CTOL, 2 STOVL, 1 CV), 3 ground test articles (1 STOVL, 2 CV)
FY11: 4 flight test articles (1 CTOL, 1 STOVL, 2 CV)
FY12: 1 flight test article (CV)

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B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	707.791	677.486	744.516	-	744.516
Current President's Budget	654.198	658.549	743.926	-	743.926
Total Adjustments	-53.593	-18.937	-0.590	-	-0.590
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-18.937			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-19.166	-			
• Program Adjustments	-	-	-1.187	-	-1.187
• Rate/Misc Adjustments	-	-	0.597	-	0.597
• Congressional General Reductions	-3.442	-	-	-	-
Adjustments					
• Congressional Directed Reductions	-30.985	-	-	-	-
Adjustments					

Change Summary Explanation

Schedule: Initial estimated dates associated with PB12 schedule milestones, to include Initial Operational Capability and Initial Operational Testing and Evaluation timeframes have been adjusted pending program rebaseline. The FY12 Defense Program Review is now scheduled for 2nd Quarter FY12 and a Milestone B decision is expected at that time. Navy Follow-on Development will begin in FY13 due to Congressional decision to not fund in FY12. The FY11 Testing and Evaluation schedule changes include extending the completion of Block 3C to 3rd Quarter FY16.

United States Reprogramming Laboratory (USRL) schedule updated to reflect Verification and Validation efforts. The schedule also incorporates a one-year extension to USRL as result of rephasing of program.

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604800N: JT Strike Fighter (JSF) - EMD				PROJECT 2261: Joint Strike Fighter EMD			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
2261: Joint Strike Fighter EMD	615.706	631.836	724.392	-	724.392	702.100	584.341	458.302	349.869	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
Note Development efforts for Joint Strike Fighter are funded by Navy, Air Force, and International Partners through agreements and memorandums of understanding. Cost details in R-2A Section B and R-3 reflect total effort.											
A. Mission Description and Budget Item Justification The F-35 Lightning II Joint Strike Fighter (JSF) program will develop and field a family of aircraft that meets needs of USN, United States Air Force (USAF), USMC, and allies, with maximum commonality among variants, consistent with National Disclosure Policy, to minimize life cycle costs. This is a joint program with no executive service. Navy and Air Force each provide approximately equal shares of annual funding to the program. The United Kingdom, other International countries, and Foreign Military Sales cases are participants in JSF Program. The program combines USN, USMC, USAF, and International Partner funding. The top line PE cost (R-2) reflects USN F-35C CV budgetary information only. However, funding at accomplishment/planned program level (R-2A) is reported in total (all services and partners) as activities support all aircraft variants. Within Navy, funding is roughly equal contribution of annual funding between USN and USMC. The System Development and Demonstration (SDD) budget funds a total quantity of 20 RDT&E test articles, to include 6 ground test articles and 14 flight test articles for Navy and Air Force use. The following fiscal year phasing of test articles reflects the scheduled first flight of each flight test asset or production line roll out of each ground test asset: FY07: 1 Conventional Take Off and Landing (CTOL) flight test article FY08: 1 Short Take Off Vertical Landing (STOVL) flight test article, 1 STOVL ground test 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) FY12: 1 flight test article (CV)											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2011	FY 2012	FY 2013	
Title: SDD Articles:								1,480.978	1,754.840	1,792.649	
								0	0	0	
FY 2011 Accomplishments:											

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013
Continued System Development and Demonstration (SDD) execution of the Air System, with Lockheed Martin including International Commonality Effort which included airframe, vehicle systems, mission systems, autonomic logistics, systems engineering, and integrated test efforts. FY 2012 Plans: Continue SDD execution of the Air System, with Lockheed Martin including International Commonality Effort which includes airframe, vehicle systems, mission systems, autonomic logistics, systems engineering, and integrated test efforts. FY 2013 Plans: Continue SDD execution of Air System (Lockheed Martin), including International Commonality Effort. Efforts include airframe, vehicle systems, mission systems, autonomic logistics, systems engineering, and integrated test efforts.				
Title: F135 Propulsion System Articles: FY 2011 Accomplishments: Continued SDD execution of the F135 Propulsion System with Pratt & Whitney that included engine testing, autonomic logistics, integration and performing technology maturation efforts. FY 2012 Plans: Continue SDD execution of the F135 Propulsion System with Pratt & Whitney that includes engine testing, autonomic logistics, integration and performing technology maturation efforts. FY 2013 Plans: Continue SDD execution of F135 Propulsion System (Pratt & Whitney), including engine testing, autonomic logistics, integration and performing technology maturation efforts.		375.628 0	360.000 0	359.618 0
Title: F136 Propulsion System Articles: FY 2011 Accomplishments: Continued F136 Propulsion System development effort by the General Electric/Rolls Royce Fighter Engine team.		69.288 0	-	-
Title: Systems Engineering Articles: FY 2011 Accomplishments:		39.345 0	45.457 0	20.063 0

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013
Continued System Development and Demonstration (SDD) Systems Engineering that included systems operations requirements analysis, program integration, requirements integration, and interoperability support. FY 2012 Plans: Continue SDD Systems Engineering including systems operations requirements analysis, program integration, requirements integration, and interoperability support. FY 2013 Plans: Continue SDD Systems Engineering, including systems operations requirements analysis, program integration, requirements integration, and interoperability support.				
Title: Development Test and Evaluation Articles: FY 2011 Accomplishments: Continued government Development Test and Evaluation (DT&E)/Operational Evaluation in support of envelope expansion, Low Rate Initial Production aircraft deliveries, and initial service training. Continued flight sciences testing of Conventional Take Off and Landing (CTOL), Short Take Off and Vertical Landing (STOVL), and Carrier Variant (CV) variants to expand the air vehicle envelope to support mission systems testing. Commenced and completed Block 1 Mission Systems flight test, and commenced Block 2 flight test. Elements of DT&E included preparation for flight testing, weapons integration testing, and component capabilities testing. FY 2012 Plans: Continue government DT&E/Operational Testing 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 2013 Plans: Continue government DT&E/Operational Testing 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.		183.951 0	323.150 0	374.258 0
Title: Development Support Articles: FY 2011 Accomplishments:		109.293 0	237.128 0	146.887 0

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013
Continued System Development and Demonstration (SDD) Support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities. FY 2012 Plans: Continue SDD Support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities. FY 2013 Plans: Continue SDD support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities				
Title: Program Management Support Articles: FY 2011 Accomplishments: Continued management support services, travel, engineering technical services, and studies analyses and evaluations in support of program objectives. FY 2012 Plans: Continue management support services, travel, engineering technical services, and studies analyses and evaluations in support of program objectives. FY 2013 Plans: Continue management support services, travel, engineering technical services, and studies analyses and evaluations in support of program objectives.		76.876 0	103.447 0	113.875 0
Title: Follow-on Development (FoD) Articles: FY 2013 Plans: Initiate disciplined systems engineering, requirements decomposition, and life cycle cost estimation of high priority, gap-driven Block 4 candidates, and technical development of suitability candidates. Continue technical maturation of validated Block 4 FoD capabilities to appropriate Technical Readiness Levels to reduce integration risk.		-	-	8.717 0
Accomplishments/Planned Programs Subtotals		2,335.359	2,824.022	2,816.067
0604800F		931.599	1,387.926	1,210.306
0604800M		602.142	651.786	737.149
International		185.912	152.474	144.220

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Navy Subtotals	615.706	631.836	724.392

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

<u>Line Item</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013 Base</u>	<u>FY 2013 OCO</u>	<u>FY 2013 Total</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• RDT&E/0604800F: Joint Strike Fighter.	931.599	1,387.926	1,210.306	0.000	1,210.306	1,019.035	635.732	387.694	155.591	0.000	22,224.453
• International: International Partner (SDD/FOD)	185.912	152.474	144.220	0.000	144.220	2.800	0.000	0.000	0.000	0.000	5,123.601
• APAF/0207142F: F-35 Joint Strike Strike Fighter	4,297.566	3,518.592	3,417.702	0.000	3,417.702	3,357.676	4,547.095	6,026.187	5,949.391	144,091.949	179,224.735
• RDT&E/0604800M: JT Strike Fighter (JSF) - EMD	602.142	651.786	737.149	0.000	737.149	693.484	574.746	448.498	340.123	0.000	4,047.928
• APN/0152: F-35 Joint Strike Fighter STOVL	838.204	1,259.162	1,510.936	0.000	1,510.936	1,521.174	1,562.016	1,953.170	2,576.560	31,607.019	42,828.241
• APN/0605B: F-35 Joint Strike Fighter STOVL Spares	150.251	23.430	99.006	0.000	99.006	97.805	107.292	186.345	175.615	2,381.670	3,221.414
• APN/0147: F-35 Joint Strike Fighter CV	1,852.890	1,557.162	1,072.812	0.000	1,072.812	1,273.910	1,432.190	1,724.077	2,429.677	26,609.510	45,442.497
• APN/0605C: F-35 Joint Strike Fighter CV Spares	88.923	29.902	41.466	0.000	41.466	114.749	116.392	106.869	144.044	1,792.760	2,865.797
• OPN/4265: Other Aviation Support Equipment	5.381	5.665	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	17.875
• International 2: International Procurement	726.936	1,223.348	3,054.443	0.000	3,054.443	5,362.214	7,449.007	8,361.881	8,094.783	0.000	35,000.074
• MC/0207142F: USAF MILCON	121.292	24.250	13.530	0.000	13.530	72.000	69.050	65.000	66.170	0.000	498.821
• APAF/0204142F: USAF Modification Funding	4.610	0.000	147.995	0.000	147.995	157.777	245.462	223.683	252.141	0.000	1,031.668
• FOD/0207142F: USAF Follow-on Development	0.000	9.967	8.117	0.000	8.117	50.084	104.866	132.174	229.912	0.000	535.120
• 0207142F/USAF: USAF Spares	261.924	149.556	181.833	0.000	181.833	197.737	265.692	274.415	264.251	12,779.030	14,564.830
• OPN/4267: Logistics Information System (ALIS)	0.000	0.000	3.826	0.000	3.826	4.869	5.592	5.647	5.744	43.524	69.202

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C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• 27142F: USAF/OPAF	0.000	0.000	0.600	0.000	0.600	2.200	2.943	2.471	2.345	0.000	10.559
D. Acquisition Strategy											
<p>The System Development and Demonstration program consists of a cost-reimbursement contract awarded to Lockheed Martin Aeronautics Company to develop F-35 Air System, consisting of three aircraft variants and 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 is being conducted during development to accomplish validation and verification, with extensive use of modeling and simulation to offset risk of this large, complex, and concurrent life-cycle program. A comprehensive logistics support environment, including an integrated training system for aircrew, maintenance, and support personnel, is also being developed.</p> <p>The F-35 Program has made international involvement a key element of acquisition strategy. This includes international partnership in development, production, and sustainment phases of life-cycle. Additional international participation includes Foreign Military Sales arrangements.</p> <p>In Fiscal Year (FY) 2007, separate cost-type contracts were awarded to Lockheed Martin Aeronautics Company and Pratt & Whitney to begin low rate initial production for F-35 air vehicles, propulsion systems, and sustainment for fielded systems. Transition to fixed-price-type contracts occurred with fourth low rate lot. To provide logistics support for delivered aircraft, Performance-Based Logistics cost-type contracts are being awarded Lockheed Martin Aeronautics Company and Pratt & Whitney.</p> <p>At 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 U.S. Services and international participants. Multiyear procurement authority for the F-35 Air System will be requested for Full Rate Production. Concurrently, multiple-year, fixed-price-type Performance Based Logistics contracts for sustainment will be executed to support multi-Service and multi-national requirements.</p>											
E. Performance Metrics											
Performance Metrics reflect Key Program Performance data.											
Combat Radius 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											

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<p>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</p> <p>Interoperability Net Ready Criteria- Meets Requirement In Tripwire Band</p> <p>Radio Frequency Signature Meets/Exceeds Tripwire Requirement</p> <p>Force Protection CB Pilot Protection (New Key Performance Parameters Per CN3) - Meets/Exceeds Tripwire Requirement</p> <p>Mission Reliability Conventional Take Off and Landing (CTOL) Meets/Exceeds Tripwire Requirement Carrier Variant (CV) Exceeds ORD Objective Short Take Off Vertical Landing (STOVL) USMC Meets/Exceeds Tripwire Requirement STOVL UK Meets/Exceeds Tripwire Requirement</p> <p>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</p> <p>Logistics Footprints CTOL Meets/Exceeds Tripwire Requirement STOVL USMC Meets/Exceeds Tripwire Requirement</p> <p>Logistics Footprint- Volume CV Exceeds ORD Objective STOVL USMC Exceeds ORD Objective STOVL UK Meets/Exceeds Tripwire Requirement</p>		

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Logistics Footprint-Weight Carrier Variant (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 2013 Navy											DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604800N: JT Strike Fighter (JSF) - EMD				PROJECT 2261: Joint Strike Fighter EMD						
Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Primary H/W Development - SDD	C/CPAF	Lockheed Martin:Ft. Worth, TX	28,954.680	1,750.839	Oct 2011	1,781.259	Oct 2012	-		1,781.259	2,918.167	35,404.945	35,398.869	
Primary H/W Development - IDIQ (0022)	C/CPAF	Lockheed Martin:Ft. Worth, TX	16.162	4.000	Oct 2011	-		-		-	0.000	20.162	20.162	
Primary H/W Development - IDIQ (0009)	C/CPAF	Lockheed Martin:Ft. Worth, TX	16.759	-		-		-		-	0.000	16.759	16.759	
Primary H/W Development - BOA(3104)	SS/CR	Lockheed Martin:Ft. Worth, TX	3.511	-		-		-		-	0.000	3.511	3.511	
Primary H/W Development - SDD (3003)	C/CPAF	Pratt & Whitney:Hartford, CT	7,282.249	360.000	Dec 2011	359.618	Dec 2012	-		359.618	772.503	8,774.370	8,774.370	
Primary H/W Development (C-0132)	SS/CPAF	Pratt & Whitney:Hartford, CT	1.364	-		-		-		-	0.000	1.364	1.364	
Primary H/W Development (C-0050)	SS/CPAF	Pratt & Whitney:Hartford, CT	2.211	-		-		-		-	0.000	2.211	2.211	
Primary H/W Development BOA(G-3053)	SS/CPAF	Pratt & Whitney:Hartford, CT	35.983	-		-		-		-	0.000	35.983	35.983	
Primary H/W Development IDIQ (D-0077)	SS/CPAF	Pratt & Whitney:Hartford, CT	10.925	-		-		-		-	0.000	10.925	10.925	
Primary H/W Development GE (C-0093)	SS/CPAF	GE:Cinn, Ohio	2,224.861	-		-		-		-	0.000	2,224.861	2,418.868	
Primary H/W Development GE (C-0009)	SS/CPAF	GE:Cinn, Ohio	0.264	-		-		-		-	0.000	0.264	0.264	
Primary H/W Development GE (04-D-0074)	SS/CPAF	GE:Cinn, Ohio	4.175	-		-		-		-	0.000	4.175	4.175	
Primary H/W Development GE (04-C-0102)	SS/CPAF	GE:Cinn, Ohio	100.400	-		-		-		-	0.000	100.400	100.400	
Primary H/W Development GE (02-G-3236)	SS/CPAF	GE:Cinn, Ohio	5.548	-		-		-		-	0.000	5.548	5.548	
Primary H/W Development GE (96-C-0176)	SS/CPAF	GE:Cinn, Ohio	382.753	-		-		-		-	0.000	382.753	382.753	
Product Development Systems Engineering	Various	Various:Various	329.301	45.457	Oct 2011	20.063	Oct 2012	-		20.063	89.855	484.676		

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Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
NAWC CHLK FOD	Various	NAWC WD:China Lake, CA	-	-		-		-		-	0.000	0.000	
NAWC PAX FOD	Various	NAWC AD:Patuxent River, MD	-	-		-		-		-	0.000	0.000	
PRIME LM FOD	Various	Lockheed Martin:Ft. Worth, TX	-	-		1.860	Oct 2012	-		1.860	396.902	398.762	
PRIME ENGINE P&W FOD	Various	Pratt & Whitney:Hartford, CT	-	-		-		-		-	0.000	0.000	
Systems Engineering FOD	Various	Various:Various	-	-		0.447	Oct 2012	-		0.447	43.099	43.546	
Prime LM Deployability and Suitability Enhancements	Various	Lockheed Martin:Ft. Worth, TX	-	-		17.800	Oct 2012	-		17.800	97.000	114.800	
Subtotal			39,371.146	2,160.296		2,181.047		-		2,181.047	4,317.526	48,030.015	
Remarks													
Note: Cumulative Award Fee Earned in prior years for Pratt & Whitney is 85.2%.													
Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support	Various	Eglin AFB:Eglin AFB, FL	115.621	14.929	Oct 2011	15.340	Oct 2012	-		15.340	37.168	183.058	
Development Support	Various	ASC/AFRL:Dayton, Ohio	65.367	7.625	Oct 2011	8.255	Oct 2012	-		8.255	13.938	95.185	
Development Support	Various	ASC/CIVPAY:Dayton, Ohio	-	19.554	Oct 2011	-		-		-	0.000	19.554	
Development Support	Various	Bolling AFB:Washington, DC	6.775	-		-		-		-	0.000	6.775	
Development Support	Various	DMEA:McClellan, CA	7.148	25.500	Oct 2011	1.400	Oct 2012	-		1.400	0.800	34.848	
Development Support	MIPR	ESC:Hanscom AFB, MA	7.358	0.377	Oct 2011	0.511	Oct 2012	-		0.511	1.585	9.831	
Development Support	Various	AEDC/Fuel:Arnold ,TN	156.105	58.764	Oct 2011	23.266	Oct 2012	-		23.266	39.948	278.083	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy											DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604800N: JT Strike Fighter (JSF) - EMD				PROJECT 2261: Joint Strike Fighter EMD					
Support (\$ in Millions)					FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Development Support	WR	NAS Jacksonville:Jacksonville, FL	9.437	1.985	Oct 2011	1.757	Oct 2012	-		1.757	1.800	14.979		
Development Support	Various	Various:Various	249.093	21.298	Oct 2011	21.332	Oct 2012	-		21.332	30.343	322.066		
Development Support	Various	NAWC WD:China Lake, CA	108.289	30.641	Oct 2011	24.833	Oct 2012	-		24.833	56.204	219.967		
Development Support	Various	NAWC AD:Patuxent River, MD	331.122	53.484	Oct 2011	42.672	Oct 2012	-		42.672	122.425	549.703		
Development Support	Various	NAWC TSD:Orlando, FL	11.610	2.362	Oct 2011	0.771	Oct 2012	-		0.771	3.555	18.298		
Development Support	WR	NSWC:Indian Head, MD	4.266	0.572	Oct 2011	0.308	Oct 2012	-		0.308	0.640	5.786		
Development Support	Various	SPAWAR:San Diego, CA	10.322	0.038	Oct 2011	0.032	Oct 2012	-		0.032	0.138	10.530		
Prior Years costs no longer funded in FYDP	Various	SIBR Cong ADD:Various	24.187	-		-		-		-	0.000	24.187		
Misc/Other FOD	Various	Various:Various	-	-		6.410	Oct 2012	-		6.410	86.994	93.404		
Subtotal			1,106.700	237.129		146.887		-		146.887	395.538	1,886.254		
Test and Evaluation (\$ in Millions)					FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Developmental Test & Evaluation	Various	NAWC AD:Patuxent River, MD	381.021	130.731	Oct 2011	115.186	Oct 2012	-		115.186	304.105	931.043		
Developmental Test & Evaluation	Various	NAWC WD:China Lake, CA	37.805	11.637	Oct 2011	5.829	Oct 2012	-		5.829	11.972	67.243		
Developmental Test & Evaluation	Various	Edwards AFB:Edwards AFB, CA	399.018	94.841	Oct 2011	82.500	Oct 2012	-		82.500	228.811	805.170		
Developmental Test & Evaluation	Various	Various:Various	36.486	26.441	Oct 2011	56.449	Oct 2012	-		56.449	170.510	289.886		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy										DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604800N: JT Strike Fighter (JSF) - EMD				PROJECT 2261: Joint Strike Fighter EMD					
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	MIPR	WEPS:Eglin AFB, FL	35.173	2.600	Oct 2011	-		-		-	0.000	37.773	
Developmental Test & Evaluation	MIPR	OT-AFOTEC/ AFFTC:Various	108.726	52.200	Oct 2011	108.518	Oct 2012	-		108.518	401.683	671.127	
Developmental Test & Evaluation	Various	OT-JITC/ OPTEC:Various	8.581	4.700	Oct 2011	5.776	Oct 2012	-		5.776	5.926	24.983	
Developmental Test & Evaluation	Various	JITC:Various	-	-		-		-		-	0.000	0.000	
Subtotal			1,006.810	323.150		374.258		-		374.258	1,123.007	2,827.225	
Management Services (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	SS/CPFF	ACT I:Arlington, VA	8.419	3.418	Oct 2011	3.049	Oct 2012	-		3.049	13.798	28.684	28.684
Program Management - Mantech	C/FP	Mantech:Arlington, VA	59.469	8.366	Oct 2011	11.046	Oct 2012	-		11.046	49.993	128.874	128.874
Program Management - DRC	C/CPFF	DRC:Arlington, VA	5.916	-		-		-		-	0.000	5.916	5.916
Program Management	C/CPFF	First Principles:Arlington, VA	4.634	1.936	Oct 2011	1.836	Oct 2012	-		1.836	8.308	16.714	16.714
Program Management	Various	ASC CIVPAY:Various	-	3.500	Oct 2011	35.724	Oct 2012	-		35.724	150.762	189.986	
Program Management	C/CPFF	Wyle:Arlington, VA	102.871	27.418	Oct 2011	23.305	Oct 2012	-		23.305	109.904	263.498	263.498
Program Management	C/CPAF	Saftas:Arlington, VA	123.593	26.600	Oct 2011	12.867	Oct 2012	-		12.867	71.197	234.257	234.257
Program Management	SS/CPAF	Stanley:Arlington, VA	186.584	27.940	Oct 2011	22.051	Oct 2012	-		22.051	101.523	338.098	338.098
Program Management	SS/CPFF	GE F136-COG Studies:Cinn., OH	0.800	-		-		-		-	0.000	0.800	0.800
Program Management	Various	Various:Various	17.124	4.269	Oct 2011	3.997	Oct 2012	-		3.997	17.225	42.615	
Subtotal			509.410	103.447		113.875		-		113.875	522.710	1,249.442	
Remarks Cumulative Award Fee earned in prior years for Stanley is 99%.													

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604800N: JT Strike Fighter (JSF) - EMD				PROJECT 2261: Joint Strike Fighter EMD			
	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Subtotals	41,994.066	2,824.022		2,816.067		-		2,816.067	6,358.781	53,992.936	
0604800F		1,387.926		1,210.306		-		1,210.306			
0604800M		651.786		737.149		-		737.149			
International		152.474		144.220		-		144.220			
Project Cost Totals	41,994.066	631.836		724.392		-		724.392	6,358.781	53,992.936	
Remarks											
Subtotals and totals may not add due to rounding.											
Name PU 2011 2012 2013											
0604800F 3831 \$931.599 \$1,387.926 \$1,210.306											
0604800M 2262 \$602.142 \$651.786 \$737.149											
0604800N 2261 \$615.706 \$631.836 \$724.392											
International R&D \$185.912 \$152.474 \$144.220											
Total 2261&2262 (R2-A/R-3) FY11 \$2,335.359 FY12 \$2,824.022 FY13 \$2,816.067											
Navy 3194 \$38.492 \$26.713 \$19.534											

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604800N: JT Strike Fighter (JSF) - EMD	PROJECT 2261: Joint Strike Fighter EMD

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Navy

DATE: February 2012

APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy
BA 5: Development & Demonstration (SDD)

R-1 ITEM NOMENCLATURE

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

PROJECT

2261: Joint Strike Fighter EMD

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
JSF Variants - CV, STOVL & CTOL				
Systems Development: Acquisition Milestone: Services Initial Operational Capability TBD	1	2014	4	2017
Systems Development: Follow-on Development	1	2012	4	2017
Test & Evaluation: Conventional Take Off and Landing (CTOL) (DT/OT)	1	2011	4	2017
Test & Evaluation: Short Take Off and Landing (STOVL) (DT/OT)	1	2011	4	2017
Test & Evaluation: Carrier Variant (CV) (DT/OT)	1	2011	4	2017
Defense Acquisition Reviews: Defense Acquisition Board Program Reviews FY11	1	2011	1	2011
Defense Acquisition Reviews: Interim Program Reviews (IPR) FY12	1	2012	1	2012
Defense Acquisition Reviews: IPR FY13	2	2013	2	2013
Defense Acquisition Reviews: IPR FY14	2	2014	2	2014
Defense Acquisition Reviews: IPR FY15	2	2015	2	2015
Defense Acquisition Reviews: IPR FY16	2	2016	2	2016
Defense Acquisition Reviews: IPR FY17	2	2017	2	2017
Production & Sustainment: BLK 1B TR1 LRIP 3	1	2012	4	2012
Production & Sustainment: BLK 2A TR1 LRIP 4&5	3	2012	1	2014
Production & Sustainment: BLK 3I TR2 LRIP 6, 7, & 8	2	2011	1	2017
Production & Sustainment: BLK 3F TR2 LRIP 9+	1	2017	4	2017
Contract Awards: Low Rate Initial Production (LRIP) IV Full Funding	1	2011	1	2011
Contract Awards: LRIP V Long Lead	1	2011	1	2011
Contract Awards: LRIP V Full Funding	4	2011	4	2011
Contract Awards: LRIP VI Long Lead	4	2011	4	2011

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Navy			DATE: February 2012	
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)		R-1 ITEM NOMENCLATURE PE 0604800N: JT Strike Fighter (JSF) - EMD		PROJECT 2261: Joint Strike Fighter EMD
		Start		End
Events by Sub Project		Quarter	Year	Quarter Year
Contract Awards: LRIP VI Full Funding		1	2012	1 2012
Contract Awards: LRIP VII Long Lead		2	2012	2 2012
Contract Awards: LRIP VII Full Funding		1	2013	1 2013
Contract Awards: LRIP VIII Long Lead		2	2013	2 2013
Contract Awards: LRIP VIII Full Funding		1	2014	1 2014
Contract Awards: LRIP IX Long Lead		2	2014	2 2014
Contract Awards: LRIP IX Full Funding		1	2015	1 2015
Contract Awards: LRIP X Long Lead		2	2015	2 2015
Contract Awards: LRIP X Full Funding		1	2016	1 2016
Contract Awards: LRIP XI Long Lead		3	2016	3 2016
Contract Awards: LRIP XI Full Funding		1	2017	1 2017
Production Deliveries: LRIP I (APAF)		3	2011	3 2011
Production Deliveries: LRIP II (APAF & APN)		4	2011	4 2011
Production Deliveries: LRIP III (APAF & APN) INTL		1	2012	1 2012
Production Deliveries: LRIP IV (APAF & APN) INTL		1	2013	1 2013
Production Deliveries: LRIP V (APAF & APN) INTL		3	2013	3 2013
Production Deliveries: LRIP VI (APAF & APN) INTL		2	2014	2 2014
Production Deliveries: LRIP VII (APAF & APN) INTL		2	2012	2 2012
Production Deliveries: LRIP VIII (APAF & APN) INTL		1	2016	1 2016
Production Deliveries: LRIP IX (APAF & APN) INTL		1	2017	1 2017
Production Deliveries: Production Approach Single Lot /MYP - TBD		1	2015	2 2017

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604800N: JT Strike Fighter (JSF) - EMD				PROJECT 3194: Joint Reprogramming Center			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
3194: Joint Reprogramming Center	38.492	26.713	19.534	-	19.534	-	-	-	-	0.000	84.739
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
The United States Reprogramming Laboratory (USRL)/Capability Concept project, previously referred to as Joint Strike Fighter 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 Joint Strike Fighter System Development and Demonstration (SDD) baseline											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2011	FY 2012	FY 2013	
Title: USRL Build Up								31.990	14.213	6.734	
Articles:								0	0	0	
FY 2011 Accomplishments: Provided 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.											
FY 2012 Plans: 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 2013 Plans:											

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy		DATE: February 2012	
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604800N: <i>JT Strike Fighter (JSF) - EMD</i>	PROJECT 3194: <i>Joint Reprogramming Center</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012
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 United States Reprogramming Laboratory (USRL) Stand-up testing and acceptance tasks.			FY 2013
Title: Development Support		6.502	12.500
Articles:		0	0
FY 2011 Accomplishments: Continued System Development and Demonstration (SDD) Systems Engineering (SE) that included systems operations requirements analysis, program integration, requirements integration, and interoperability support of the USRL.			12.800
FY 2012 Plans: Continue SDD SE including systems operations requirements analysis, program integration, requirements integration, and interoperability support of the USRL.			0
FY 2013 Plans: Continue SDD SE including systems operations requirements analysis, program integration, requirements integration, and interoperability support of the USRL.			
Accomplishments/Planned Programs Subtotals		38.492	26.713
C. Other Program Funding Summary (\$ in Millions) N/A			19.534
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.			

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604800N: <i>JT Strike Fighter (JSF) - EMD</i>	PROJECT 3194: <i>Joint Reprogramming Center</i>
<p>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 Joint Strike Fighter (JSF) operational requirements, interoperability, and fratricide mitigation.</p> <p>Although the JSF Program has contracted with Lockheed Martin and Pratt & Whitney for System Development and Demonstration (SDD) 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.</p> <p><u>E. Performance Metrics</u></p> <p>United States Reprogramming Laboratory Stand-up - 3rd Quarter FY 12</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy											DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT					
1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				PE 0604800N: JT Strike Fighter (JSF) - EMD				3194: Joint Reprogramming Center					
Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary H/W Development	C/CPAF	Lockheed Martin:Ft. Worth, Texas	76.602	8.206	Oct 2011	-	Oct 2012	-		-	0.000	84.808	84.808
Primary H/W Development Award Fee	C/CPAF	Lockheed Martin:Ft. Worth, Texas	1.252	2.507	Oct 2011	-	Oct 2012	-		-	0.000	3.759	7.509
Lockheed Martin Various	Various	Lockheed Martin:Ft. Worth, Texas	11.828	3.500	Oct 2011	6.734	Oct 2012	-		6.734	0.000	22.062	
Subtotal			89.682	14.213		6.734		-		6.734	0.000	110.629	
Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support	WR	NAWCWD:China Lake California	14.002	12.500	Oct 2011	12.800	Oct 2012	-		12.800	0.000	39.302	
Subtotal			14.002	12.500		12.800		-		12.800	0.000	39.302	
			Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			103.684	26.713		19.534		-		19.534	0.000	149.931	
Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604800N: JT Strike Fighter (JSF) - EMD	PROJECT 3194: Joint Reprogramming Center

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604800N: <i>JT Strike Fighter (JSF) - EMD</i>	PROJECT 3194: <i>Joint Reprogramming Center</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>JSF United States Research Laboratoty (USRL)</i>				
USRL Implementation: USRL Standup: USRL Standup	3	2012	3	2012
Verification and Validation Facility (VVF): Development	1	2011	1	2013
Verification and Validation Facility (VVF): Integration	1	2011	1	2013
Verification and Validation Facility (VVF): Acceptance Test Program (ATP)	2	2013	2	2013
Verification and Validation Facility (VVF): Initial Operational Capability	2	2013	2	2013
Electronic Warfare Verification Station (EWVS) and Reprogramming Facility (RF): Development	1	2011	3	2012
Electronic Warfare Verification Station (EWVS) and Reprogramming Facility (RF): Integration	1	2011	3	2012
Electronic Warfare Verification Station (EWVS) and Reprogramming Facility (RF): Acceptance Test Program (ATP)	2	2012	4	2012