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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force	DATE: February 2012
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				PE 0207142F: <i>Joint Strike Fighter Squadrons</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	-	9.967	8.117	-	8.117	50.084	104.866	132.174	229.912	Continuing	Continuing
675346: <i>F-35</i>	-	-	8.117	-	8.117	50.084	104.866	132.174	229.912	Continuing	Continuing
676011: <i>JSF DUAL CAPABLE AIRCRAFT</i>	-	9.967	-	-	-	-	-	-	-	Continuing	Continuing

Note

This funding is included in funding for PRCP Program Number, 198, JSF.

A. Mission Description and Budget Item Justification

The Joint Strike Fighter (JSF) program will develop and deploy a family of highly common, affordable next generation, stealthy, multi-role strike fighter aircraft that meets the needs of the USN, USAF, USMC and allies with maximum commonality among the variants, consistent with National Disclosure Policy, to minimize life cycle costs. This is a joint program with no executive service. Navy and Air Force each provide approximately equal shares of annual funding to the program. The United Kingdom, other International Partner nations, and Foreign Military Sales customers are also participants in the JSF program. Follow-on Development will continue the evolutionary approach of System Development and Demonstration (SDD) by providing capability enhancements through a combined incremental and spiral methodology. The Joint Capabilities Integration and Development System (JCIDS) and Defense Acquisition System (DAS) will provide the framework and basis for defining, managing and acquiring the envisioned F-35 enhancements.

This program is in Budget Activity 7, Operational System Development, because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013 Base</u>	<u>FY 2013 OCO</u>	<u>FY 2013 Total</u>
Previous President's Budget	217.561	47.841	62.583	-	62.583
Current President's Budget	-	9.967	8.117	-	8.117
Total Adjustments	-217.561	-37.874	-54.466	-	-54.466
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-37.874			
• Congressional Rescissions	-57.724	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-159.837	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-	-	-54.466	-	-54.466

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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0207142F: Joint Strike Fighter Squadrons	
<u>Change Summary Explanation</u> FY2011 adjustments: Of the -\$217.561M (\$159.837M was realigned to 0604800F; \$57.724M Congressional mark for Block 4 development) FY2012 adjustments: Congressional reductions of -\$37.874M due to Block 4 development ahead of need. FY2013 adjustments: Transfer of 17.800M to PE 0604800F BPAC 653832 "JSF Deployability and Suitability Enhancement". \$36.666M was early to need and removed.		

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207142F: Joint Strike Fighter Squadrons				PROJECT 675346: F-35			
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
675346: F-35	-	-	8.117	-	8.117	50.084	104.866	132.174	229.912	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Joint Strike Fighter (JSF) program will develop and deploy a family of highly common, affordable next generation, stealthy, multi-role strike fighter aircraft that meets the needs of the USN, USAF, USMC and allies with maximum commonality among the variants, consistent with National Disclosure Policy, to minimize life cycle costs. This is a joint program with no executive service. Navy and Air Force each provide approximately equal shares of annual funding to the program. The United Kingdom and seven other international partner countries are participants in the JSF Follow-on Development program. Follow-on Development will continue the evolutionary approach of System Development and Demonstration (SDD) by providing capability enhancements through a combined incremental and spiral methodology. The Joint Capabilities Integration and Development System (JCIDS) and Defense Acquisition System (DAS) shall provide the framework and basis for defining, managing and acquiring the envisioned F-35 enhancements. This program is funded under Operational Systems Development because it funds efforts to upgrade systems for full rate production.

BA7- This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Title: Air Vehicle Follow-on Development	-	-	8.117	-	8.117
Description: Includes disciplined systems engineering, requirements decomposition, and life cycle cost estimation of high priority, gap-driven Block 4 candidates to inform investment optimization decisions; technical development activities on suitability candidates that address system limitations identified during Operational Assessments of F-35; maturing validated Block 4 Follow on Development (FoD) capabilities to the appropriate Technical Readiness Levels (TRL) to reduce integration risk for inclusion into the EMD program planned to begin in FY15.					
FY 2013 Base Plans: Initiate disciplined systems engineering, requirements decomposition, and life cycle cost estimation of high priority, gap-driven Block 4 candidates to inform investment optimization decisions. Begin technical development activities on suitability candidates that address system limitations identified during Operational Assessments of F-35. Mature validated Block 4 FoD capabilities to the appropriate Technical Readiness Levels					

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207142F: Joint Strike Fighter Squadrons			PROJECT 675346: F-35				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
(TRL) to reduce integration risk for inclusion into the Engineering & Manufacturing Development (EMD) program planned to begin in FY15.											
Accomplishments/Planned Programs Subtotals							-	-	8.117	-	8.117
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• RDT&E; PE 0604800F: Joint Strike Fighter EMD	931.599	1,387.926	1,210.306	0.000	1,210.306	1,019.035	635.732	387.694	155.591	0.000	2,974.060
• RDT&E; PE 0604800N: Joint Strike Fighter EMD	615.706	631.836	724.392	0.000	724.392	702.100	584.341	458.302	349.869	0.000	2,360.449
• RDT&E; PE 0604800M: Joint Strike Fighter EMD	602.142	651.786	737.149	0.000	737.149	693.484	574.746	448.498	340.123	0.000	2,318.870
• RDT&E; PE 0604800N/3194: Joint Strike Fighter EMD	38.492	26.713	19.534	0.000	19.534	0.000	0.000	0.000	0.000	0.000	38.492
• International R&D: Int'l Parnter (SDD/FOD)	200.912	152.438	144.173	0.000	144.173	2.811	0.000	0.000	0.000	0.000	203.723
• APAF; PE 0207142F: Joint Strike Fighter - CTOL	4,297.566	3,518.592	3,417.702	0.000	3,417.702	3,357.676	4,547.095	6,026.187	5,949.391	175,271.376	18,228.524
• APN; PE 0204146N: Joint Strike Fighter - CV	1,852.890	1,557.162	1,072.812	0.000	1,072.812	1,273.910	1,432.190	1,724.077	2,429.677	33,679.470	6,283.067
• APN; PE 0204146M: Joint Strike Fighter - STOVL	838.204	1,259.162	1,510.936	0.000	1,510.936	1,521.174	1,562.016	1,953.170	2,576.560	35,163.740	5,514.564
• International Procurement: JSF International Procurement	726.936	1,223.348	3,054.443	0.000	3,054.443	5,362.214	7,449.007	8,361.881	8,094.783	0.000	21,900.038
• OPN/4265: JSF Other Procurement	5.381	5.665	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	21.489
• OPN/ 4267: JSF Logistics Information System (ALIS)	0.000	0.000	3.826	0.000	3.826	4.869	5.592	5.647	5.744	0.000	16.108
• APAF; PE 0207142F/Initial Spares: Joint Strike Fighter Spares	261.924	149.556	181.833	0.000	181.833	197.737	265.692	274.415	264.251	8,438.247	999.768

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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207142F: Joint Strike Fighter Squadrons				PROJECT 675346: F-35			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• APN; PE 0204146N/Initial Spares: Joint Strike Fighter Spares	73.923	29.902	41.466	0.000	41.466	114.749	116.392	106.869	144.044	2,708.330	411.933
• APN; PE 0204146M/Initial Spares: Joint Strike Fighter Spares	147.539	23.430	99.006	0.000	99.006	97.805	107.292	186.345	175.615	2,961.390	538.981
• MILCON; PE 0207142F: JSF Military Construction	121.292	24.250	13.530	0.000	13.530	72.000	69.050	65.000	66.170	0.000	327.342
• MILCON; PE 0212576N: JSF Military Construction	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
• APAF; PE 0207142F/ Modifications: JSF Modifications	4.610	0.000	147.995	0.000	147.995	157.777	245.462	223.683	252.141	1,027.058	631.532
• OPAF; PE 0207142F: Joint Strike Fighter	0.000	0.000	0.600	0.000	0.600	2.200	2.943	2.471	2.345	0.000	7.614
D. Acquisition Strategy											
Follow-on Development (FoD) will continue the evolutionary approach of SDD by providing capability enhancements through an incremental methodology. The Joint Capabilities Integration and Development System (JCIDS) and Defense Acquisition System (DAS) will provide the framework and basis for defining, managing, and acquiring the envisioned F-35 enhancements, such as Dual Capable Aircraft (DCA). The plan for each follow-on increment will include all development, integration, and verification testing of those capabilities. Additionally, the non-recurring efforts for cut-in of retrofit and production and sustainment will be included. Retrofit decisions will be based on an analysis of the benefit versus the cost of upgrading the existing F-35 fleet to a common configuration. Retrofit execution will be in accordance with stakeholders' direction.											
This follow-on development effort will be procured via a cost type contract. It is anticipated that fee provisions will be used to target and motivate contractor performance. Similar to SDD, BOAs and ID/IQ contracts may be used for trade studies, analyses, and planning activities.											
E. Performance Metrics											
Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.											

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0207142F: <i>Joint Strike Fighter Squadrons</i>	PROJECT 675346: <i>F-35</i>

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

DATE: February 2012

APPROPRIATION/BUDGET ACTIVITY

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

R-1 ITEM NOMENCLATURE

PE 0207142F: *Joint Strike Fighter Squadrons*

PROJECT

675346: *F-35*

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Interim Program Review (IPR) FY12	2	2012	2	2012
Follow-On Development Contract Award	2	2012	2	2012
Follow-On Development	2	2012	4	2017

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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207142F: Joint Strike Fighter Squadrons				PROJECT 676011: JSF DUAL CAPABLE AIRCRAFT			
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
676011: JSF DUAL CAPABLE AIRCRAFT	-	9.967	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

Note

Project 676011 funding removed in FY13 and out pending determination of reprogramming requirements for follow-on development and weapons.

A. Mission Description and Budget Item Justification

The Joint Strike Fighter (JSF) program will develop and deploy a family of highly common, affordable next generation, stealthy, multi-role strike fighter aircraft that meets the needs of the USN, USAF, USMC and allies with maximum commonality among the variants, consistent with National Disclosure Policy, to minimize life cycle costs. The Joint Contract Specification requirements call for the F-35A (CTOL) Variant Air Vehicle to have the capabilities and provisions for Dual Capable Aircraft (DCA) operations. DCA refers to the capability to carry and deliver conventional or non-conventional weapons. DCA operation is internal carriage of two B-61s. In accordance with the Operational Requirements Document, DCA will be integrated in the first post-SDD block upgrade in time to meet Joint Strategic Capabilities Plan force structure requirements.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Title: DCA	-	9.967	-	-	-
Description: This effort provides for the assessment of Dual Capable Aircraft (DCA) weapon integration impacts on the Joint Strike Fighter (JSF) aircraft, early in the weapon design phase. It identifies and avoids potential technical and cost risks, as well as defining the integration and certification trade-space to field the DCA capability with the B61 weapon. This effort also includes required JSF Follow-on Development planning to ensure incorporation in the first post-System Development and Demonstration(SDD) F-35 Conventional Takeoff and Landing (CTOL) block upgrade.					
FY 2011 Accomplishments: Not Applicable					
FY 2012 Plans: Initiate efforts to incorporate dual-capability in to the first post SDD block upgrade.					
FY 2013 Base Plans:					

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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207142F: Joint Strike Fighter Squadrons			PROJECT 676011: JSF DUAL CAPABLE AIRCRAFT				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
N/A											
FY 2013 OCO Plans: N/A											
Accomplishments/Planned Programs Subtotals							-	9.967	-	-	-
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• RDT&E; PE 0604800F: Joint Strike Fighter EMD	931.599	1,387.926	1,210.306	0.000	1,210.306	1,019.035	635.732	387.694	155.591	0.000	2,974.060
• RDT&E; PE 0604800N: Joint Strike Fighter EMD	615.706	631.836	724.755	0.000	724.755	702.644	585.407	459.511	350.852	0.000	2,363.268
• RDT&E; PE 0604800M: Joint Strike Fighter EMD	602.142	651.786	737.399	0.000	737.399	693.861	575.495	449.346	340.813	0.000	2,320.844
• RDT&E; PE 0604800N/3194: Joint Strike Fighter EMD	38.492	26.713	19.544	0.000	19.544	0.000	0.000	0.000	0.000	0.000	38.492
• International R&D: Int'l Partner (SDD/FOD)	200.912	152.438	144.173	0.000	144.173	2.811	0.000	0.000	0.000	0.000	203.723
• APAF; PE 0207142F: Joint Strike Fighter - CTOL	4,297.566	3,518.592	3,417.702	0.000	3,417.702	3,357.676	4,547.095	6,026.187	5,949.391	175,271.376	18,228.524
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• International Procurement: JSF International Procurement	726.936	1,223.348	3,054.443	0.000	3,054.443	5,362.214	7,449.007	8,361.881	8,094.783	0.000	21,900.038
• OPAF; PE 0207142F: Joint Strike Fighter	0.000	0.000	0.600	0.000	0.600	2.200	2.943	2.471	2.345	0.000	7.614
• OPN/4265: JSF Other Procurement	5.381	5.665	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.046
• OPN/4267: JSF Logistics Information System (ALIS)	0.000	0.000	3.826	0.000	3.826	4.869	5.592	5.647	5.744	43.524	16.108

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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207142F: Joint Strike Fighter Squadrons				PROJECT 676011: JSF DUAL CAPABLE AIRCRAFT			
C. Other Program Funding Summary (\$ in Millions)											
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• Milcon; PE 0207142F: JSF Military Construction	121.292	24.250	13.530	0.000	13.530	72.000	69.050	65.000	66.170	0.000	505.673
• APAF; PE 0207142F/ Modifications: JSF Modifications	4.610	0.000	147.995	0.000	147.995	157.777	245.462	223.683	252.141	0.000	631.532
D. Acquisition Strategy											
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This follow-on development effort will be procured via a cost type contract. It is anticipated that fee provisions will be used to target and motivate the contractor performance. Similar to SDD, BOAs and ID/IQ contracts may be used for trade studies, analyses, and planning activities.											
E. Performance Metrics											
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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0207142F: Joint Strike Fighter Squadrons	PROJECT 676011: JSF DUAL CAPABLE AIRCRAFT

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Air Force			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0207142F: <i>Joint Strike Fighter Squadrons</i>	PROJECT 676011: <i>JSF DUAL CAPABLE AIRCRAFT</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
DCA Contract award	2	2012	2	2012