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Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD
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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	20,534.486	566.937	586.953	450.467	0.000	450.467	137.362	5.327	5.392	5.497	0.000	22,292.421
653831: <i>Joint Strike Fighter</i>	20,504.119	534.344	515.492	403.505	0.000	403.505	113.567	5.327	5.392	5.497	0.000	22,087.243
653832: <i>JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT</i>	30.367	32.593	71.461	46.962	0.000	46.962	23.795	0.000	0.000	0.000	0.000	205.178

Program MDAP/MAIS Code: 198

A. Mission Description and Budget Item Justification

The F-35 Joint Strike Fighter (JSF) Program will develop and field an affordable, highly common family of next generation strike aircraft for the USN, USAF, USMC and allies. The three variants are the F-35A conventional takeoff and landing; F-35B short takeoff and vertical landing; and the F-35C Aircraft Carrier suitable variant. The F-35A 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 F-35B variant will be a multi-role strike fighter aircraft to replace the AV-8B and F/A-18 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 F-35C will provide the Department of the Navy a multi-role, stealthy strike fighter aircraft to complement the F/A-18E/F.

The United Kingdom, Italy, Netherlands, Turkey, Canada, Australia, Denmark, Norway, and Foreign Military Sales customers are also participants in the JSF program. The program shown here reflects USN, USMC, USAF, and International Partner funding.

Funding at the accomplishment/planned program level is reported as the total of all services and partners as these activities support all aircraft variants.

The 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 USN, USAF, and USMC use.

- FY07: 1 F-35A flight test article
- FY08: 1 F-35B flight test article; 1 F-35B ground test article
- FY09: 1 F-35B flight test article; 2 F-35A ground test articles
- FY10: 6 flight test articles: 3 F-35A, 2 F-35B, 1 F-35C; 3 ground test articles: 1 F-35B, 2 F-35C
- FY11: 4 flight test articles: 1 F-35A, 1 F-35B, 2 F-35C
- FY13: 1 F-35C flight test article

BA05: This program is Budget Activity 5, System Development and Demonstration (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.

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B. Program Change Summary (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Previous President's Budget	567.889	589.441	323.446	0.000	323.446
Current President's Budget	566.937	586.953	450.467	0.000	450.467
Total Adjustments	-0.952	-2.488	127.021	0.000	127.021
• Congressional General Reductions	0.000	-2.488			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	9.999	0.000			
• SBIR/STTR Transfer	-10.951	0.000			
• Other Adjustments	0.000	0.000	127.021	0.000	127.021

Change Summary Explanation

FY2015 increase: +\$9.999M was for Deployability & Suitability (D&S) enhancements.

FY2017 increase: +\$84.000M was for the modification of F-35A operational test aircraft. +\$47.430M was for D&S enhancements. -\$4.409M was for funding for higher AF priorities.

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force										Date: February 2016		
Appropriation/Budget Activity 3600 / 5					R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD				Project (Number/Name) 653831 / Joint Strike Fighter			
COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
653831: <i>Joint Strike Fighter</i>	20,504.119	534.344	515.492	403.505	0.000	403.505	113.567	5.327	5.392	5.497	0.000	22,087.243
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Note

Total cost including USN, USMC, International partner contributions and USAF funding are: FY2015 \$1,496.239M, FY2016 \$1,506.200M, and FY2017 \$1,436.879M. R-2 data reflects variant unique funding only.

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

F-35 EMD Includes:

- USAF PE 0604800F BPAC 653831
- USN PE 0604800N Project Unit 2261
- USMC PE 0604800M Project Unit 2262

D&S Includes:

- USAF PE 0604800F BPAC 653832
- USN PE 0604800N Project Unit 3352
- USMC PE 0604800M Project Unit 3350

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; F-35B short takeoff and vertical landing; and the F-35C Aircraft Carrier suitable variant. The F-35A 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 F-35B variant will be a multi-role strike fighter aircraft to replace the AV-8B and F/A-18 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 F-35C will provide the Department of the Navy a multi-role, stealthy strike fighter aircraft to complement the F/A-18E/F.

The United Kingdom, Italy, Netherlands, Turkey, Canada, Australia, Denmark, Norway, and Foreign Military Sales customers are also participants in the JSF program. The program shown here reflects USN, USMC, USAF, and International Partner funding.

Funding at the accomplishment/planned program level is reported as the total of all services and partners as these activities support all aircraft variants.

The 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 USN, USAF, and USMC use.

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FY07: 1 F-35A flight test article
 FY08: 1 F-35B flight test article; 1 F-35B ground test article
 FY09: 1 F-35B flight test article; 2 F-35A ground test articles
 FY10: 6 flight test articles: 3 F-35A, 2 F-35B, 1 F-35C; 3 ground test articles: 1 F-35B, 2 F-35C
 FY11: 4 flight test articles: 1 F-35A, 1 F-35B, 2 F-35C
 FY13: 1 F-35C flight test article

BA05: This program is Budget Activity 5, System Development and Demonstration (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. Accomplishments/Planned Programs (\$ in Millions)

	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
<p>Title: System Development and Demonstration (SDD) (F-35 JSF)</p> <p>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.</p> <p>FY 2015 Accomplishments: Continued SDD execution of the Air System with Lockheed Martin, including International Commonality Effort which includes airframe, vehicle systems, mission systems, autonomic logistics, systems engineering, and integrated test efforts. Activity aligned to IMS in accordance with variant IOC.</p> <p>FY 2016 Plans: Continue SDD execution of the Air System with Lockheed Martin, including International Commonality Effort which includes airframe, vehicle systems, mission systems, autonomic logistics, systems engineering, and integrated test efforts including modifications to Operational Testing. Activity aligned to IMS in accordance with variant IOC.</p> <p>FY 2017 Base 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 in accordance with variant IOC.</p> <p>FY 2017 OCO Plans: N/A</p>	798.385	766.918	988.703	0.000	988.703
<p>Title: F135 Propulsion System (F-35 JSF)</p> <p>Description: SDD execution of the F135 Propulsion System (Pratt & Whitney) including International Commonality Effort; includes testing, autonomic logistics, integration & performing technology maturation efforts.</p>	200.220	174.733	55.381	0.000	55.381

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
<p><i>FY 2015 Accomplishments:</i> Continued SDD execution of the F135 Propulsion System with Pratt & Whitney that includes engine testing, autonomic logistics, integration and performing technology maturation efforts.</p> <p><i>FY 2016 Plans:</i> Continue SDD execution of the F135 Propulsion System with Pratt & Whitney that includes engine testing, autonomic logistics, integration and performing technology maturation efforts.</p> <p><i>FY 2017 Base Plans:</i> Continue SDD execution of the F135 Propulsion System with Pratt & Whitney that includes engine testing, autonomic logistics, integration and performing technology maturation efforts.</p> <p><i>FY 2017 OCO Plans:</i> N/A</p>					
<p><i>Title:</i> Systems Engineering (SE) (F-35 JSF)</p> <p><i>Description:</i> SDD SE including systems operations requirements analysis, program integration, requirements integration, and interoperability support.</p> <p><i>FY 2015 Accomplishments:</i> Continued SDD SE, including systems operations requirements analysis, program integration, requirements integration, and interoperability support.</p> <p><i>FY 2016 Plans:</i> Continue SDD SE, including systems operations requirements analysis, program integration, requirements integration, and interoperability support.</p> <p><i>FY 2017 Base Plans:</i> Continue SDD SE, including systems operations requirements analysis, program integration, requirements integration, and interoperability support.</p> <p><i>FY 2017 OCO Plans:</i> N/A</p>	27.628	25.383	10.198	0.000	10.198
<p><i>Title:</i> Development Test and Evaluation (DT&E) (F-35 JSF)</p> <p><i>Description:</i> Execution of government DT&E/Operational Testing (OT). Elements of DT&E include flight testing and weapons integration testing.</p>	303.555	390.040	301.176	0.000	301.176

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
<p><i>FY 2015 Accomplishments:</i> Continued execution of government DT&E and OT activities in support of test aircraft. Continue flight sciences testing of F-35A, F-35B, and F-35C 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.</p> <p><i>FY 2016 Plans:</i> Continue execution of government DT&E and OT activities in support of test aircraft. Continue flight sciences testing of F-35A, F-35B, and F-35C 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.</p> <p><i>FY 2017 Base Plans:</i> Continue execution of government DT&E and OT activities in support of test aircraft. Continue flight sciences testing of F-35A, F-35B, and F-35C 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.</p> <p><i>FY 2017 OCO Plans:</i> N/A</p>					
<p><i>Title:</i> Development Support (F-35 JSF)</p> <p><i>Description:</i> SDD Support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities.</p> <p><i>FY 2015 Accomplishments:</i> Continued 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.</p> <p><i>FY 2016 Plans:</i> Continued 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.</p> <p><i>FY 2017 Base Plans:</i></p>	130.710	116.360	50.415	0.000	50.415

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
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 2017 OCO Plans: N/A					
Title: Autonomic Logistics Information System (ALIS) Description: SDD execution of Autonomic Logistics Information System (ALIS) develops the information infrastructure used to transmit health and maintenance action information for the aircraft to the appropriate users. This is not a New Start. Funding has been broken out for transparency. FY 2015 Accomplishments: Continue SDD execution of ALIS to develop the information infrastructure used to transmit health and maintenance action information for the aircraft to the appropriate users. FY 2016 Plans: Continue SDD execution ALIS develops the information infrastructure used to transmit health and maintenance action information for the aircraft to the appropriate users. FY 2017 Base Plans: Continue SDD execution of ALIS to develop the information infrastructure used to transmit health and maintenance action information for the aircraft to the appropriate users. FY 2017 OCO Plans: N/A	35.741	32.766	31.006	0.000	31.006
Accomplishments/Planned Programs Subtotals	1,496.239	1,506.200	1,436.879	0.000	1,436.879
Other Service Funding Adjustment	961.895	990.708	1,033.374	-	1,033.374
Air Force Subtotals	534.344	515.492	403.505	0.000	403.505

C. Other Program Funding Summary (\$ in Millions)										
Line Item	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete Total Cost
• RDTE: BA05: PE 0604800F 3832: JSF Deployability and Suitability Enhancements, BPAC 653832	32.593	71.461	46.962	0.000	46.962	23.795	0.000	0.000	0.000	-

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

Line Item	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
• RDTE: BA07: PE 0207142F 5346: JSF Follow-on Development (FoD), BPAC 675346	23.660	48.954	127.302	0.000	127.302	321.658	340.950	339.209	345.223	Continuing	Continuing
• RDTE: BA07: PE 0207142F 6011: Dual Capable Aircraft (DCA), BPAC 676011	15.615	4.967	25.743	0.000	25.743	27.731	37.637	49.554	50.433	Continuing	Continuing
• APAF: BA01: Line Item # ATA000 AP: JSF CTOL Advance Procurement, PE 0207142F, BP10 AP	418.880	460.260	404.500	0.000	404.500	671.263	406.750	424.230	424.230	17,450.241	23,150.407
• APAF: BA01: Line Item # ATA000: JSF CTOL, PE 0207142F, BP10	3,625.841	5,259.812	4,401.894	0.000	4,401.894	4,708.701	4,712.526	4,838.591	5,801.997	139,530.995	190,282.125
• APAF: BA06: Line Item # F03500 BP16: JSF Initial Spares, PE 0207142F, BP16	231.847	229.582	267.792	0.000	267.792	315.478	353.602	354.622	355.591	10,311.851	13,420.134
• APAF: BA05: Line Item # F03500 BP11: JSF Modifications, PE 0207142F, BP11	187.646	70.167	175.811	0.000	175.811	385.931	237.349	232.017	237.273	Continuing	Continuing
• USAF OM: Operations and Maintenance	217.556	302.952	360.107	0.000	360.107	452.906	555.687	858.671	0.000	Continuing	Continuing
• OPAF: BA01: Line Item # 821800: Joint Strike Fighter, PE 0207142F	4.463	3.858	2.333	0.000	2.333	2.374	2.415	0.000	0.000	Continuing	Continuing
• MILCON: BA01: PE 0207142F: USAF JSF Military Construction Operations	66.700	132.850	305.700	0.000	305.700	80.000	27.500	0.000	0.000	1,312.100	2,511.350
• MILCON: BA01: PE 0207597F: USAF JSF Military Construction Training	0.000	65.400	20.000	0.000	20.000	21.000	34.000	15.900	0.000	-	-
• MILCON: BA01: PE 0502635F: USAF JSF Military Construction Air National Guard	0.000	0.000	15.100	0.000	15.100	0.000	0.000	0.000	0.000	-	-
• RDTEN: BA05: PE 0604800N 2261: JSF SDD (CV)	470.545	467.759	504.296	0.000	504.296	43.816	0.000	0.000	0.000	-	-

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Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653831 / Joint Strike Fighter
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C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u> <u>Base</u>	<u>FY 2017</u> <u>OCO</u>	<u>FY 2017</u> <u>Total</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RD TEN: BA05: PE 0604800N 3352: F-35C Sustainment/ Capability Enhancements (CV)	16.433	36.977	24.420	0.000	24.420	11.802	0.000	0.000	0.000	-	-
• RD TEN: BA05: PE 0604810N 2936: F-35C Follow-on Development (CV), BPAC 2936	10.302	21.200	63.387	0.000	63.387	133.686	144.003	147.646	150.902	Continuing	Continuing
• APN: BA01: Line Item # 0147C: JSF Advance Procurement (CV), PE 0204146N	29.400	48.630	80.908	0.000	80.908	258.898	144.003	242.002	262.004	3,189.815	5,643.037
• APN: BA01: Line Item # 0147: JSF (CV), PE 0204146N	848.552	1,033.142	890.650	0.000	890.650	951.052	1,598.247	2,150.860	2,680.120	27,872.824	49,136.792
• APN: BA06: Line Item # 0605 USN: Initial Spares (CV), PE 0204146N	28.768	59.914	26.076	0.000	26.076	76.886	41.847	52.858	303.608	1,706.626	2,815.461
• APN: BA05: Line Item # 0593: Modifications (CV), PE 0204146N	18.371	48.527	26.004	0.000	26.004	49.848	20.721	12.929	13.192	Continuing	Continuing
• OPN: BA03: Line Item # 4268: JSF Aviation Support Equipment ALIS Ship Alts	1.539	1.969	1.811	0.000	1.811	1.866	1.868	1.910	1.947	Continuing	Continuing
• OPN BA03:: ALIS Ship ALTS Installs	3.977	1.924	0.329	0.000	0.329	2.024	1.890	1.933	1.972	-	-
• OPN: BA03: Optical Landing System Investments	0.000	0.000	1.800	0.000	1.800	1.800	1.800	3.300	0.000	-	-
• OPN BA03: Spares for Aviation Support Equipment	0.730	2.946	0.881	0.000	0.881	2.297	2.321	1.939	1.977	Continuing	Continuing
• USN OM: Operations and Maintenance	35.468	75.651	138.933	0.000	138.933	96.354	135.712	115.743	216.600	Continuing	Continuing
• USN MILCON: USN JSF Military Construction	60.200	72.460	11.800	0.000	11.800	0.000	0.000	0.000	0.000	-	-
• RD TEN: BA05: PE 0604800M 2262: JSF SDD (STOVL)	476.350	505.949	507.078	0.000	507.078	88.414	9.649	5.842	3.858	-	-
• RD TEN: BA05: PE 0604800M 3350: F-35B Sustainment/	11.589	31.952	24.348	0.000	24.348	11.427	0.000	0.000	0.000	-	-

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

Line Item	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
<i>Capability Enhancements (STOVL), BPAC 3350</i>											
• RDTEN: BA05: PE 0604810M 2935: F-35B Follow-on	10.086	20.798	74.227	0.000	74.227	154.047	164.276	168.433	172.040	Continuing	Continuing
<i>Development (STOVL), BPAC 2935</i>											
• APN: BA01: Line Item # 0152C: JSF Advance Procurement (STOVL), PE 0204146M	143.885	203.060	233.648	0.000	233.648	370.472	227.562	231.003	220.000	2,638.098	4,870.881
• APN: BA01: Line Item # 0152: JSF (STOVL), PE 0204146M	1,178.488	2,147.714	2,037.768	0.000	2,037.768	2,620.324	2,481.778	2,514.127	2,558.802	20,571.510	40,035.833
• APN: BA06: Line Item # 0605 USMC: Initial Spares (STOVL), PE 0204146M	64.285	111.569	123.252	0.000	123.252	26.159	88.434	160.150	140.989	1,466.285	2,508.244
• APN: BA05: Line Item # 0592: Modifications (STOVL), PE 0204146M	157.905	204.464	34.928	0.000	34.928	158.277	89.352	64.963	79.077	Continuing	Continuing
• USMC OM: Operations and Maintenance	133.550	188.391	174.580	0.000	174.580	162.927	165.068	168.212	167.636	Continuing	Continuing
• USMC MILCON: USMC JSF Military Construction	71.704	21.960	219.100	0.000	219.100	64.660	121.990	119.800	0.000	642.400	1,966.114
• International 1: International SDD	15.000	17.000	22.000	0.000	22.000	27.450	0.000	0.000	0.000	-	-
• International 2: International Production	3,350.860	4,211.698	5,377.274	0.000	5,377.274	7,420.782	7,893.177	9,050.299	8,092.207	Continuing	Continuing
• International 3: International FoD	21.086	79.318	128.965	0.000	128.965	157.602	169.315	171.636	68.599	Continuing	Continuing
• International 4: International Unique (SDD/PSFD)	81.681	39.852	39.608	0.000	39.608	11.474	22.812	29.409	5.357	-	-

Remarks

This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between the Department of the Navy and the Department of the Air Force and currently resides with the Navy. Program Element 0604800N/0604800M continues USN development efforts budgeted in 0603800N prior to FY2002. The United Kingdom, Italy, Netherlands, Turkey, Canada, Australia, Denmark, and Norway are participants in the SDD phase of JSF.

Note: The USAF/USN/USMC procurement lines include Aircraft Procurement and Advanced Procurement only. Initial Spares and Repair Parts for all Services are reflected in separate lines. International Partner Funding also includes funds provided under the Italy and Netherlands Bilateral agreements.

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Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653831 / Joint Strike Fighter

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

<u>Line Item</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u> <u>Base</u>	<u>FY 2017</u> <u>OCO</u>	<u>FY 2017</u> <u>Total</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
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RELATED RDT&E: Funding prior to JSF SDD (FY94-FY01): USN PE 0603800N \$1,950,617; USAF PE 0603800F \$1,907,352; DARPA PE 0603800E \$118,056; and International Partner contributions of \$253,921 for a total of \$4,229,946.

D. Acquisition Strategy

The SDD program consists of a cost-reimbursement contract awarded to Lockheed Martin Aeronautics Company to develop the F-35 Air System, consisting of three aircraft variants and its associated logistics support system, for the U.S. Services and international participants. Similarly, a cost-reimbursement contract was awarded to Pratt & Whitney to develop the F135 propulsion system. Ground and flight testing will be conducted during development to accomplish validation and verification, with the extensive use of modeling and simulation to offset the risk of this large, complex, and concurrent lifecycle program. A comprehensive logistics support environment, including an integrated training system for aircrew, maintenance, and support personnel, is also being developed.

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

The F-35 Program has made international involvement a key element of the acquisition strategy. This includes international partnership in the development, production, and sustainment phases of the lifecycle. Additional international participation includes Foreign Military Sales arrangements.

In Fiscal Year (FY) 2007, separate cost-type contracts were awarded to Lockheed Martin Aeronautics Company and Pratt & Whitney to begin low rate initial production for F-35 air vehicles, propulsion systems, and sustainment for the fielded systems. Transition to fixed-price-type contracts occurred with the fourth low rate lot. To provide logistics support for delivered aircraft, Performance-Based Logistics cost-type contracts will be awarded to Lockheed Martin Aeronautics Company and Pratt & Whitney.

At the completion of Low Rate Initial Production, a Defense Acquisition Board review, and Milestone Decision Authority approval, the F-35 Program will enter Full Rate Production. Fixed-price procurement contracts will be awarded for F-35 air vehicles and propulsion systems for the U.S. Services and international participants. Multiyear procurement authority for the F-35 Air System will be requested for Full Rate Production. Concurrently, multiple-year, fixed-price-type Performance Based Logistics contracts for sustainment will be executed to support multi-Service and multi-national requirements.

E. Performance Metrics

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653831 / Joint Strike Fighter
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Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Lockheed Martin - SDD	C/CPAF	Lockheed Martin : Ft. Worth, TX	31,462.738	734.559	Dec 2014	647.660	Dec 2015	963.757	Dec 2016	0.000		963.757	144.343	33,953.057	33,953.057
Lockheed Martin - IDIQ D0022	SS/ Various	Lockheed Martin : Ft. Worth, TX	27.216	0.000		0.000		0.000		0.000		0.000	0.000	27.216	27.216
Lockheed Martin - IDIQ 0005	SS/ Various	Lockheed Martin : Ft. Worth, TX	3.289	0.509	Dec 2014	0.000		0.000		0.000		0.000	0.000	3.798	3.798
Lockheed Martin - IDIQ D0009	SS/ Various	Lockheed Martin : Ft. Worth, TX	16.759	0.000		0.000		0.000		0.000		0.000	0.000	16.759	16.759
Lockheed Martin - BOA	SS/ Various	Lockheed Martin : Ft. Worth, TX	3.511	0.000		0.000		0.000		0.000		0.000	0.000	3.511	3.511
Lockheed Martin - LRIP 6 0083	SS/CPFF	Lockheed Martin : Ft. Worth, TX	0.000	1.027	Dec 2014	0.000		0.000		0.000		0.000	0.000	1.027	1.027
Lockheed Martin - LRIP 8 0031	SS/CPFF	Lockheed Martin : Ft. Worth, TX	0.000	0.337	Dec 2014	0.000		0.000		0.000		0.000	0.000	0.337	0.337
Lockheed Martin - BOA 0020	SS/ Various	Lockheed Martin : Ft. Worth, TX	0.022	46.908	Dec 2014	119.258	Dec 2015	24.946	Dec 2016	0.000		24.946	15.273	206.407	206.407
Lockheed Martin - BOA 0016	SS/ Various	Lockheed Martin : Ft. Worth, TX	0.000	15.045	Dec 2014	0.000		0.000		0.000		0.000	0.000	15.045	15.045
Pratt & Whitney - SDD	SS/CPAF	Pratt & Whitney : Hartford, CT	7,653.870	196.623	Dec 2014	174.733	Dec 2015	55.381	Dec 2016	0.000		55.381	0.000	8,080.607	8,080.607
Pratt & Whitney - Close Out Contract C0132	SS/CPFF	Pratt & Whitney : Hartford, CT	1.364	0.000		0.000		0.000		0.000		0.000	0.000	1.364	1.364
Pratt & Whitney - CDP Close Out Contract C0050	SS/CPAF	Pratt & Whitney : Hartford, CT	2.211	0.000		0.000		0.000		0.000		0.000	0.000	2.211	2.211
Pratt & Whitney - BOA	SS/CPFF	Pratt & Whitney : Hartford, CT	35.983	0.000		0.000		0.000		0.000		0.000	0.000	35.983	35.983
Pratt & Whitney - IDIQ	SS/ Various	Pratt & Whitney : Hartford, CT	10.925	0.000		0.000		0.000		0.000		0.000	0.000	10.925	10.925
Pratt & Whitney - LRIP 7 C0026	SS/CPAF	Pratt & Whitney : Hartford, CT	0.000	3.597	Dec 2014	0.000		0.000		0.000		0.000	0.000	3.597	3.597
General Electric - SDD	SS/ Various	FET : Cincinnati, OH	2,160.573	0.000		0.000		0.000		0.000		0.000	0.000	2,160.573	2,160.573

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653831 / Joint Strike Fighter
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Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
General Electric - IDIQ D0009	SS/ Various	FET : Cincinnati, OH	0.264	0.000		0.000		0.000		0.000		0.000	0.000	0.264	0.264
General Electric - IDIQ D0074	SS/ Various	FET : Cincinnati, OH	4.175	0.000		0.000		0.000		0.000		0.000	0.000	4.175	4.175
General Electric - F136 Transition	SS/CPFF	FET : Cincinnati, OH	100.400	0.000		0.000		0.000		0.000		0.000	0.000	100.400	100.400
General Electric - BOA	SS/ Various	FET : Cincinnati, OH	5.548	0.000		0.000		0.000		0.000		0.000	0.000	5.548	5.548
General Electric - Phase IIIb	SS/CPAF	FET : Cincinnati, OH	382.753	0.000		0.000		0.000		0.000		0.000	0.000	382.753	382.753
Systems Engineering	Various	Various : Various	396.332	22.984	Nov 2014	29.919	Nov 2015	8.490	Nov 2016	0.000		8.490	7.063	464.788	464.788
Prime LM 02-C-3002 ALIS	SS/CPAF	LM : Ft Worth, TX	460.979	35.459	Dec 2014	32.512	Dec 2015	31.006	Dec 2016	0.000		31.006	0.000	559.956	559.956
Prime LM Eng P&W 02-C-3003 ALIS	C/CPAF	Pratt &Whitney : Hartford, CT	14.115	0.282	Dec 2014	0.254	Dec 2015	0.000		0.000		0.000	0.000	14.651	14.651
Subtotal			42,743.027	1,057.330		1,004.336		1,083.580		0.000		1,083.580	166.679	46,054.952	46,054.952

Support (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
AFFTC/Eglin	Various	Various : Various	121.714	12.231	Nov 2014	6.446	Nov 2015	3.347	Nov 2016	0.000		3.347	0.064	143.802	-
AFLCMC/AFRL	Various	AFLCMC/AFRL : Various	62.865	2.247	Nov 2014	8.325	Nov 2015	0.897	Nov 2016	0.000		0.897	0.020	74.354	-
Bolling AFB	Various	Bolling AFB : Washington, DC	6.775	0.000		0.000		0.000		0.000		0.000	0.000	6.775	-
DMEA	Various	DMEA : Wright Patterson, AFB, OH	5.630	0.000		0.000		0.000		0.000		0.000	0.000	5.630	-
AFLCMC	Various	AFLCMC : Various	7.103	0.000		0.000		0.000		0.000		0.000	0.000	7.103	-
AFTOC/Fuel	Various	Various : Various	170.046	22.242	Nov 2014	17.701	Nov 2015	0.075	Nov 2016	0.000		0.075	0.000	210.064	-
NADEP Jacksonville	Various	NADEP : Jacksonville, FL	9.525	0.000		0.000		0.000		0.000		0.000	0.000	9.525	-
Miscellaneous	Various	Various : Various	97.242	14.946	Nov 2014	18.387	Nov 2015	8.692	Nov 2016	0.000		8.692	1.346	140.613	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653831 / Joint Strike Fighter
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Support (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
NAWC China Lake	Various	NAWC WD : China Lake, CA	137.888	15.614	Nov 2014	12.305	Nov 2015	9.436	Nov 2016	0.000		9.436	0.000	175.243	-
NAWC TSD	Various	NAWC TSD : Orlando, FL	11.609	0.000		0.000		0.000		0.000		0.000	0.000	11.609	-
NAWC Patuxent River	Various	NAWC AD : Patuxent River, MD	368.385	41.758	Nov 2013	31.299	Nov 2015	19.998	Nov 2016	0.000		19.998	0.235	461.675	-
NSWC	Various	Various : Various	3.813	0.000		0.000		0.000		0.000		0.000	0.000	3.813	-
SPAWAR	Various	Various : Various	8.434	0.000		0.000		0.000		0.000		0.000	0.000	8.434	-
SBIR Technology Insertion Congressional Add	Various	Various : Various	24.187	0.000		0.000		0.000		0.000		0.000	0.000	24.187	-
DFAS	Various	Various : Various	0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	-
Subtotal			1,035.216	109.038		94.463		42.445		0.000		42.445	1.665	1,282.827	-

Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
NAWC Patuxent River	Various	NAWC AD : Patuxent River, MD	581.256	83.797	Nov 2014	120.284	Nov 2015	65.847	Nov 2016	0.000		65.847	0.000	851.184	-
NAWC China Lake	Various	NAWC WD : China Lake, CA	37.253	1.923	Nov 2014	2.173	Nov 2015	2.173	Nov 2016	0.000		2.173	0.000	43.522	-
Edwards AFB	Various	Edwards AFB : Edwards AFB, CA	548.835	69.774	Nov 2014	71.235	Nov 2015	53.426	Nov 2016	0.000		53.426	0.000	743.270	-
Other (including Classified PIDs)	Various	Various : Various	158.522	53.548	Nov 2014	56.526	Dec 2015	18.132	Nov 2016	0.000		18.132	2.500	289.228	-
JITC	Various	JITC : Various	0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	-
WEPS/Eglin	Various	WEPS : Eglin AFB, FL	27.829	0.000		0.000		0.000		0.000		0.000	0.000	27.829	-
OT - AFOTEC/AFFTC	Various	OT AFOTEC/ AFFTC : Various	156.615	23.079	Nov 2014	32.243	Nov 2015	78.792	Nov 2016	0.000		78.792	95.940	386.669	-
OT - JITC/OPTEV	Various	OT JITC/OPTEV : Various	16.329	20.350	Nov 2014	32.966	Nov 2015	35.554	Nov 2016	0.000		35.554	29.461	134.660	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653831 / Joint Strike Fighter
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Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
OT CHLK	Various	NAWC WD : China Lake, CA	0.000	0.000		10.874	Dec 2015	0.000		0.000		0.000	0.000	10.874	-
Subtotal			1,526.639	252.471		326.301		253.924		0.000		253.924	127.901	2,487.236	-

Management Services (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Business Integration - Cost - ACT I	SS/CPFF	ACT I : Arlington, VA	11.902	0.000		0.000		0.000		0.000		0.000	0.000	11.902	11.902
Security - Mantech	C/FP	Mantech : Arlington, VA	74.899	8.300	Dec 2014	8.400	Dec 2015	0.000		0.000		0.000	0.000	91.599	91.599
Autolog - SEIT - DRC	C/CPFF	DRC : Arlington, VA	2.573	0.000		0.000		0.000		0.000		0.000	0.000	2.573	2.573
Chief Engineer - First Principles	C/CPFF	First Principles : Arlington, VA	8.759	1.900	Dec 2014	0.000		0.000		0.000		0.000	0.000	10.659	10.659
AFLCMC Civilian Pay	Various	AFLCMC : Wright Patterson AFB, OH	62.834	32.310	Oct 2014	32.500	Oct 2015	12.225	Oct 2016	0.000		12.225	0.000	139.869	139.869
OPS - Wyle	C/CPAF	Not specified. : TBD	127.480	0.000		0.000		0.000		0.000		0.000	0.000	127.480	127.480
Operations - SAFTAS	C/CPAF	SAFTAS : Arlington, VA	142.970	0.000		0.000		0.000		0.000		0.000	0.000	142.970	142.970
OPS- CGI BOSS	C/CPAF	TBD : Arlington, VA	216.086	0.000		0.000		0.000		0.000		0.000	0.000	216.086	216.086
OPS-Jacobs BOSS	Various	TBD : Arlington, VA	6.208	19.695	Dec 2014	20.489	Dec 2015	25.000	Dec 2016	0.000		25.000	0.000	71.392	71.392
OPS- Allutiq/E3	C/CPAF	TBD : Arlington, VA	1.417	0.518	Nov 2014	0.536	Dec 2015	0.552	Dec 2016	0.000		0.552	1.153	4.176	4.176
OPS - Cost/FM/EV	Various	TBD : Arlington, VA	2.000	1.494	Nov 2014	3.375	Dec 2015	3.284	Dec 2016	0.000		3.284	0.000	10.153	10.153
Andrews AFB	Various	TBD : Camp Springs, MD	0.135	0.135	Dec 2014	0.135	Dec 2015	0.135	Dec 2016	0.000		0.135	0.270	0.810	0.810
GE F136 Congressional Studies	Various	Various : Various	0.800	0.000		0.000		0.000		0.000		0.000	0.000	0.800	0.800
Facilities BOSS	C/CPAF	Various : Various	17.751	8.356	Dec 2014	9.091	Dec 2015	7.736	Dec 2016	0.000		7.736	8.340	51.274	51.274
CIO ODCs	C/CPAF	Various : Various	6.702	2.677	Dec 2014	4.743	Dec 2015	6.050	Dec 2016	0.000		6.050	1.401	21.573	21.573
Travel	C/CPAF	Various : Various	18.834	2.015	Oct 2014	1.831	Oct 2015	1.948	Oct 2016	0.000		1.948	1.403	26.031	26.031

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653831 / Joint Strike Fighter
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Management Services (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Subtotal			701.350	77.400		81.100		56.930		0.000		56.930	12.567	929.347	929.347
Cost Category Subtotals			46,006.232	1,496.239		1,506.200		1,436.879		0.000		1,436.879	308.812	50,754.362	-
Other Service Funding Adjustment			25,502.113	961.895		990.708		1,033.374		-		1,033.374	179.029	28,667.119	-
Project Cost Totals			20,504.119	534.344		515.492		403.505		0.000		403.505	129.783	50,754.362	-

Remarks
 The project information shown here reflects USN, USMC, USAF and International Partner funding total for each contract. By agreement USN and USMC funding shares are approximately equal and when combined are equal to the USAF share.

NOTE 1: Prior Years reflect \$20,504.119 USAF/\$18,387.781M USN/\$2,195.032M USMC /\$4,919.300M International/Total \$46,006.232M

FY 2015 reflects \$534.344M USAF/\$470.545M USN/\$476.350M USMC/\$15.000M International/Total \$1,496.239M

FY 2016 reflects \$515.492M USAF/\$467.759M USN/\$505.949M USMC/\$17.000M International/Total \$1,506.200M

FY 2017 reflects \$403.505M USAF/\$504.296M USN/\$507.078M USMC/\$22.000M International/Total \$1,436.879M

JSF EMD Includes:
 USAF PE 0604800F BPAC 653831
 USN PE 0604800N Project Unit 2261
 USMC PE 0604800M Project Unit 2262

D&S Includes:
 USAF PE 0604800F BPAC 653832
 USN PE 0604800N Project Unit 3352
 USMC PE 0604800M Project Unit 3350

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Exhibit R-4, RDT&E Schedule Profile: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653831 / Joint Strike Fighter
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	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Acquisition Milestones: F-35A Initial Operational Capability	█																											
Acquisition Milestones: F-35C Initial Operational Capability	█																											
Test & Evaluation: Test and Evaluation: Block 3i DT&E/Cert	████████████████████																											
Test & Evaluation: Test and Evaluation: Block 3F DT&E/Cert	██																											
Test & Evaluation: Test and Evaluation: Initial Operational Test and Evaluation (IOT&E)	██																											
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY16	█																											
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY17	█																											
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY18	█																											
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY19	█																											
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY20	█																											
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY21	█																											

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Exhibit R-4, RDT&E Schedule Profile: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653831 / Joint Strike Fighter
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	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 8 Full Funding / Production / Delivery																												
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 9 Full Funding / Production / Delivery																												
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 10 Full Funding / Production / Delivery																												
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 11 Full Funding / Production / Delivery																												
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 12 Full Funding / Production / Delivery																												
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 13 Full Funding / Production / Delivery																												
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 14 Full Funding / Production / Delivery																												
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 15 Full Funding / Production / Delivery																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Air Force		Date: February 2016
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653831 / Joint Strike Fighter

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Acquisition Milestones: F-35A Initial Operational Capability	4	2016	4	2016
Acquisition Milestones: F-35C Initial Operational Capability	4	2018	4	2018
Test & Evaluation: Test and Evaluation: Block 3i DT&E/Cert	1	2015	4	2015
Test & Evaluation: Test and Evaluation: Block 3F DT&E/Cert	1	2015	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) FY16	4	2016	4	2016
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY17	4	2017	4	2017
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY18	4	2018	4	2018
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY19	4	2019	4	2019
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY20	4	2020	4	2020
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY21	4	2021	4	2021
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 8 Full Funding / Production / Delivery	1	2015	4	2017
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 9 Full Funding / Production / Delivery	2	2016	3	2018
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 10 Full Funding / Production / Delivery	2	2016	4	2019
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 11 Full Funding / Production / Delivery	2	2017	2	2020

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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653831 / Joint Strike Fighter
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Events	Start		End	
	Quarter	Year	Quarter	Year
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 12 Full Funding / Production / Delivery	2	2018	2	2021
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 13 Full Funding / Production / Delivery	2	2019	4	2021
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 14 Full Funding / Production / Delivery	2	2020	4	2021
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 15 Full Funding / Production / Delivery	2	2021	4	2021

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force										Date: February 2016		
Appropriation/Budget Activity 3600 / 5					R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD				Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT			
COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
653832: JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT	30.367	32.593	71.461	46.962	0.000	46.962	23.795	0.000	0.000	0.000	0.000	205.178
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

Note

Total cost including United States Navy (USN), United States Marine Corps (USMC), United States Air Force (USAF) funding and International Partner contributions is: FY2015 \$66.704M, FY2016 \$189.726M, and FY2017 \$115.140M

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

D&S Includes:

- USAF PE 0604800F 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 warfighter within a deployed environment and are not funded via the existing SDD program or tied to Block 4 Operational Flight Program (OFP) development. Funding will result in achieving targeted suitability, maintainability, and affordability returns employing the F-35 in deployed or austere locations and incorporates provisions for future EW Sensor Capability.

Funding at the accomplishment/planned program level is reported as the total of all services as these activities support all aircraft variants. By agreement, USN and USMC funding shares are approximately equal and when combined are equal to the USAF share.

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

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

	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Title: Sustainment and Capability Enhancements (F-35 JSF)	15.590	118.070	64.064	0.000	64.064

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force		Date: February 2016
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
<p>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.</p> <p>FY 2015 Accomplishments: Continued to conduct systems engineering, technical maturation, integration and test planning for suitability and deployability enhancements.</p> <p>FY 2016 Plans: Continue to conduct systems engineering, technical maturation, integration and test planning for suitability and deployability enhancements. Increase is to perform sustaining engineering, development and test activities necessary to gain capacity, compatibility, and expansion in wiring, power, wing conduits, etc. in support of electronic warfare.</p> <p>FY 2017 Base Plans: Continue to conduct systems engineering, technical maturation, integration and test planning for suitability and deployability enhancements. Increase is to perform sustaining engineering, development and test activities necessary to gain capacity, compatibility, and expansion in wiring, power, wing conduits, etc. in support of electronic warfare. This includes funding for suitability enhancements such as Standard Operating Unit Version 2 and Band 2/5 efforts.</p> <p>FY 2017 OCO Plans: N/A</p>					
<p>Title: Development Support (F-35 JSF)</p> <p>Description: SDD support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities.</p> <p>FY 2015 Accomplishments: Continued development enhancement support for Deployable Autonomic Logistics Information System, decentralized maintenance capabilities, Low Observable maintenance enhancements, security architecture updates, redesign of obsolete items, and integrated training simulators.</p> <p>FY 2016 Plans:</p>	20.650	7.909	3.556	0.000	3.556

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force			Date: February 2016		
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT			
B. Accomplishments/Planned Programs (\$ in Millions)					
	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
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. FY 2017 Base Plans: Continue SDD support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, and autonomic logistics development activities. Development Support decrease is due to across the board reduction between both services. FY 2017 OCO Plans: N/A					
Title: Development Test and Evaluation Description: Verification and testing for deployability and suitability enhancements. FY 2015 Accomplishments: Continued to initiate government test and evaluation of capability enhancements for Deployable Autonomic Logistics Information System, and LO maintenance enhancements. FY 2016 Plans: Continue to initiate government test and evaluation of capability enhancements for Deployable Autonomic Logistics Information System, and LO maintenance enhancements. FY 2017 Base Plans: Continue to initiate government test and evaluation of capability enhancements for Deployable Autonomic Logistics Information System, and LO maintenance enhancements. FY 2017 OCO Plans: N/A	0.636	1.841	1.440	0.000	1.440
Title: Autonomic Logistics Information System Description: SDD execution of Autonomic Logistics Information System (ALIS) develops the information infrastructure used to transmit health and maintenance action information for the aircraft to the appropriate users. FY 2015 Accomplishments:	29.828	61.906	46.080	0.000	46.080

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force		Date: February 2016
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
SDD execution of Autonomic Logistics Information System (ALIS) develops the information infrastructure used to transmit health and maintenance action information for the aircraft to the appropriate users.					
FY 2016 Plans: SDD execution of Autonomic Logistics Information System (ALIS) develops the information infrastructure used to transmit health and maintenance action information for the aircraft to the appropriate users.					
FY 2017 Base Plans: SDD execution of Autonomic Logistics Information System (ALIS) develops the information infrastructure used to transmit health and maintenance action information for the aircraft to the appropriate users.					
FY 2017 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	66.704	189.726	115.140	0.000	115.140
Other Service Funding Adjustment	34.111	118.265	68.178	-	68.178
Air Force Subtotals	32.593	71.461	46.962	0.000	46.962

C. Other Program Funding Summary (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
• RDTE: BA05: PE 0604800F 3831: JSF SDD, BPAC 653831	534.344	515.492	403.505	0.000	403.505	113.567	5.327	5.392	5.497	-	-
• RDTE: BA07: PE 0207142F 5346: JSF Follow-on Development (FoD), BPAC 675346	23.660	48.954	127.302	0.000	127.302	321.658	340.950	339.209	345.223	Continuing	Continuing
• RDTE: BA07: PE 0207142F 6011: Dual Capable Aircraft (DCA), BPAC 676011	15.615	4.967	25.743	0.000	25.743	27.731	37.637	49.554	50.433	Continuing	Continuing
• APAF: BA01: Line Item # ATA000 AP: JSF CTOL Advance Procurement, PE 0207142F, BP10 AP	418.880	460.260	404.500	0.000	404.500	671.263	406.750	424.230	424.230	17,450.241	23,150.407
• APAF: BA01: Line Item # ATA000: JSF CTOL, PE 0207142F, BP10	3,625.841	5,259.812	4,401.894	0.000	4,401.894	4,708.701	4,712.526	4,838.591	5,801.997	139,530.995	190,282.125

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force										Date: February 2016	
Appropriation/Budget Activity 3600 / 5				R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD				Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT			

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

Line Item	FY 2015	FY 2016	FY 2017	FY 2017	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Cost To	
			Base	OCO	Total					Complete	Total Cost
• APAF: BA06: Line Item # F03500 BP16: JSF Initial Spares, PE 0207142F, BP16	231.847	229.582	267.792	0.000	267.792	315.478	353.602	354.622	355.591	10,311.851	13,420.134
• APAF: BA05: Line Item # F03500 BP11: JSF Modifications, PE 0207142F, BP11	187.646	70.167	175.811	0.000	175.811	385.931	237.349	232.017	237.273	Continuing	Continuing
• USAF OM: Operations and Maintenance	217.556	302.952	360.107	0.000	360.107	452.906	555.687	858.671	0.000	Continuing	Continuing
• OPAF: BA01: Line Item # 821800: Joint Strike Fighter, PE 0207142F	4.463	3.858	2.333	0.000	2.333	2.374	2.415	0.000	0.000	Continuing	Continuing
• MILCON: BA01: PE 0207142F: USAF JSF Military Construction Operations	66.700	132.850	305.700	0.000	305.700	80.000	27.500	0.000	0.000	1,312.100	2,511.350
• MILCON: BA01: PE 0207597F: USAF JSF Military Construction Training	0.000	65.400	20.000	0.000	20.000	21.000	34.000	15.900	0.000	-	-
• MILCON: BA01: PE 0502635F: USAF JSF Military Construction Air National Guard	0.000	0.000	15.100	0.000	15.100	0.000	0.000	0.000	0.000	-	-
• RDTE: BA05: PE 0604800N 2261: JSF SDD (CV)	470.545	467.759	504.296	0.000	504.296	43.816	0.000	0.000	0.000	-	-
• RDTE: BA05: PE 0604800N 3352: F-35C Sustainment/ Capability Enhancements (CV)	16.433	36.977	24.420	0.000	24.420	11.802	0.000	0.000	0.000	-	-
• RDTE: BA05: PE 0604810N 2936: F-35C Follow-on Development (CV), BPAC 2936	10.302	21.200	63.387	0.000	63.387	133.686	144.003	147.646	150.902	Continuing	Continuing
• APN: BA01: Line Item # 0147C: JSF Advance Procurement (CV), PE 0204146N	29.400	48.630	80.908	0.000	80.908	258.898	144.003	242.002	262.004	3,189.815	5,643.037
• APN: BA01: Line Item # 0147: JSF (CV), PE 0204146N	848.552	1,033.142	890.650	0.000	890.650	951.052	1,598.247	2,150.860	2,680.120	27,872.824	49,136.792

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force										Date: February 2016	
Appropriation/Budget Activity 3600 / 5				R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD				Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT			

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

Line Item	FY 2015	FY 2016	FY 2017	FY 2017	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Cost To	
			Base	OCO	Total					Complete	Total Cost
• APN: BA06: Line Item # 0605 USN: <i>Initial Spares (CV), PE 0204146N</i>	28.768	59.914	26.076	0.000	26.076	76.886	41.847	52.858	303.608	1,706.626	2,815.461
• APN: BA05: Line Item # 0593: <i>Modifications (CV), PE 0204146N</i>	18.371	48.527	26.004	0.000	26.004	49.848	20.721	12.929	13.192	Continuing	Continuing
• OPN: BA03: Line Item # 4268: <i>JSF Aviation Support Equipment ALIS Ship Alts</i>	1.539	1.969	1.811	0.000	1.811	1.866	1.868	1.910	1.947	Continuing	Continuing
• OPN: BA03: <i>ALIS Ship ALTS Installs</i>	3.977	1.924	0.329	0.000	0.329	2.024	1.890	1.933	1.972	Continuing	Continuing
• OPN BA03: <i>Optical Landing System Investment</i>	0.000	0.000	1.800	0.000	1.800	1.800	1.800	3.300	0.000	Continuing	Continuing
• OPN BA03:: <i>Spares for Aviation Support Equipment</i>	0.730	2.946	0.881	0.000	0.881	2.297	2.321	1.939	1.977	Continuing	Continuing
• USN OM: <i>Operations and Maintenance</i>	35.468	75.651	138.933	0.000	138.933	96.354	135.712	115.743	216.600	Continuing	Continuing
• USN MILCON: <i>USN JSF Military Construction</i>	60.200	72.460	11.800	0.000	11.800	0.000	0.000	0.000	0.000	-	-
• RDTEN: BA05: PE 0604800M 2262: <i>JSF SDD (STOVL)</i>	476.350	505.949	507.078	0.000	507.078	88.414	9.649	5.842	3.858	-	-
• RDTEN: BA05: PE 0604800M 3350: <i>F-35B Sustainment/ Capability Enhancements (STOVL), BPAC 3350</i>	11.589	31.952	24.348	0.000	24.348	11.427	0.000	0.000	0.000	-	-
• RDTEN: BA05: PE 0604810M 2935: <i>F-35B Follow-on Development (STOVL), BPAC 2935</i>	10.086	20.798	74.227	0.000	74.227	154.047	164.276	168.433	172.040	Continuing	Continuing
• APN: BA01: Line Item # 0152C: <i>JSF Advance Procurement (STOVL), PE 0204146M</i>	143.885	203.060	233.648	0.000	233.648	370.472	227.562	231.003	220.000	2,638.098	4,870.881
• APN: BA01: Line Item # 0152: <i>JSF (STOVL), PE 0204146M</i>	1,178.488	2,147.714	2,037.768	0.000	2,037.768	2,620.324	2,481.778	2,514.127	2,558.802	20,571.510	40,035.833

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force										Date: February 2016	
Appropriation/Budget Activity 3600 / 5				R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD				Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT			

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

Line Item	FY 2015	FY 2016	FY 2017	FY 2017	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Cost To	
			Base	OCO	Total					Complete	Total Cost
• APN: BA06: Line Item # 0605 USMC: <i>Initial Spares (STOVL), PE 0204146M</i>	64.285	111.569	123.252	0.000	123.252	26.159	88.434	160.150	140.989	1,466.285	2,508.244
• APN: BA05: Line Item # 0592: <i>Modifications (STOVL), PE 0204146M</i>	157.905	204.464	34.928	0.000	34.928	158.277	89.352	64.963	79.077	Continuing	Continuing
• USMC OM: <i>Operations and Maintenance</i>	133.550	188.391	174.580	0.000	174.580	162.927	165.068	168.212	167.636	Continuing	Continuing
• USMC MILCON: <i>USMC JSF Military Construction</i>	71.704	21.960	219.100	0.000	219.100	64.660	121.990	119.800	0.000	642.400	1,966.114
• International 1: <i>International SDD</i>	15.000	17.000	22.000	0.000	22.000	27.450	0.000	0.000	0.000	-	-
• International 2: <i>International Production</i>	3,350.860	4,211.698	5,377.274	0.000	5,377.274	7,420.782	7,893.177	9,050.299	8,092.207	Continuing	Continuing
• International 3: <i>International FoD</i>	21.086	79.318	128.965	0.000	128.965	157.602	169.315	171.636	68.599	Continuing	Continuing
• International 4: <i>International Unique (SDD/PSFD)</i>	81.681	39.852	39.608	0.000	39.608	11.474	22.812	29.409	5.357	-	-

Remarks

This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between the Department of the Navy and the Department of the Air Force and currently resides with the Navy. Program Element 0604800N/0604800M continues USN development efforts budgeted in 0603800N prior to FY2002. The United Kingdom, Italy, Netherlands, Turkey, Canada, Australia, Denmark, and Norway are participants in the SDD phase of JSF.

Note: The USAF/USN/USMC procurement lines include Aircraft Procurement and Advanced Procurement only. Initial Spares and Repair Parts for all Services are reflected in separate lines. International Partner Funding also includes funds provided under the Italy and Netherlands Bilateral agreements.

RELATED RDT&E: Funding prior to JSF SDD (FY94-FY01): USN PE 0603800N \$1,950,617; USAF PE 0603800F \$1,907,352; DARPA PE 0603800E \$118,056; and International Partner contributions of \$253,921 for a total of \$4,229,946.

D. Acquisition Strategy

Implement JSF Joint Executive Steering Board (JESB)/Configuration Steering Board (CSB) approved enhancements to existing capabilities through existing contracts using the engineering change proposal process. When appropriate, new cost type contracts may be established.

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Air Force		Date: February 2016
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / <i>F-35 - EMD</i>	Project (Number/Name) 653832 / <i>JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT</i>

E. Performance Metrics

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT
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Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Primary Hardware Development - 3002 SDD	SS/CPFF	Lockheed Martin : Fort Worth, TX	0.000	0.000		41.330	Mar 2016	35.844	Mar 2017	0.000		35.844	21.213	98.387	98.387
Primary Hardware Development - 3002 ALIS	SS/CPFF	Lockheed Martin : Fort Worth, TX	51.410	29.828	Mar 2015	61.906	Mar 2016	46.080	Mar 2017	0.000		46.080	33.740	222.964	222.964
Primary Hardware Development - 14-C-0002 Band 2/5	SS/CPFF	Lockheed Martin : Fort Worth, TX	0.000	15.590	Mar 2015	76.740	Mar 2016	28.220	Mar 2017	0.000		28.220	0.000	120.550	120.550
Subtotal			51.410	45.418		179.976		110.144		0.000		110.144	54.953	441.901	441.901

Support (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Development Support	Various	AFLCMC : Eglin AFB, FL	4.040	15.680	Mar 2015	2.910	Mar 2016	0.000		0.000		0.000	0.000	22.630	-
Various	Various	Various : Various	7.668	4.000	Mar 2015	3.120	Mar 2016	2.410	Mar 2017	0.000		2.410	0.000	17.198	-
Subtotal			11.708	19.680		6.030		2.410		0.000		2.410	0.000	39.828	-

Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation	WR	Various : Various	0.000	0.606	Jun 2015	1.404	Jun 2016	0.976	Jun 2017	0.000		0.976	0.000	2.986	-
Subtotal			0.000	0.606		1.404		0.976		0.000		0.976	0.000	2.986	-

Management Services (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Management	Various	Various : Various	0.000	1.000	Dec 2014	2.316	Dec 2015	1.610	Dec 2016	0.000		1.610	0.000	4.926	4.926

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Air Force **Date:** February 2016

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT
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Management Services (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Subtotal			0.000	1.000		2.316		1.610		0.000		1.610	0.000	4.926	4.926
Cost Category Subtotals			63.118	66.704		189.726		115.140		0.000		115.140	54.953	489.641	-
Other Service Funding Adjustment			32.751	34.111		118.265		68.178		-		68.178	31.158	284.463	-
Project Cost Totals			30.367	32.593		71.461		46.962		0.000		46.962	23.795	205.178	-

Remarks

NOTE: Prior Years reflect \$30.367M USAF/\$16.419M USN/\$16.332M USMC/Total \$63.118M

FY 2015 reflects \$32.593M USAF/\$16.433M USN/\$11.589M USMC/\$6.089M International/Total \$66.704M

FY 2016 reflects \$71.461M USAF/\$36.977M USN/\$31.952M USMC/\$49.336M International/Total \$189.726M

FY 2017 reflects \$46.962M USAF/\$24.420M USN/\$24.348M USMC/\$19.410M International/Total \$115.140M

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

JSF EMD Includes:
 USAF PE 0604800F BPAC 653831
 USN PE 0604800N Project Unit 2261
 USMC PE 0604800M Project Unit 2262

D&S Includes:
 USAF PE 0604800F BPAC 653832
 USN PE 0604800N Project Unit 3352
 USMC PE 0604800M Project Unit 3350

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Exhibit R-4, RDT&E Schedule Profile: PB 2017 Air Force		Date: February 2016
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT

	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
D&S: Standard Operating Unit (SOUv2)	[REDACTED]																											
D&S: Band 2/5	[REDACTED]																											
D&S: Security Architecture	[REDACTED]																											
D&S: Offboard Mission Support (OMS) Redesign	[REDACTED]																											
D&S: Distributed Mission Training/Distributed Mission Operations (DMT/DMO)	[REDACTED]																											

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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Air Force		Date: February 2016
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0604800F / F-35 - EMD	Project (Number/Name) 653832 / JSF DEPLOYABILITY AND SUITABILITY ENHANCEMENT

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
D&S: Standard Operating Unit (SOUv2)	1	2015	1	2017
D&S: Band 2/5	3	2015	3	2018
D&S: Security Architecture	1	2016	3	2018
D&S: Offboard Mission Support (OMS) Redesign	1	2016	4	2018
D&S: Distributed Mission Training/Distributed Mission Operations (DMT/DMO)	1	2016	4	2018