Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Navy

Date: May 2017

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

1319: Research, Development, Test & Evaluation, Navy I BA 5: System

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

Development & Demonstration (SDD)

COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost	
Total Program Element	47,639.443	488.703	528.716	108.931	-	108.931	66.174	1.637	0.454	0.467	0.000	48,834.525	
2261: Joint Strike Fighter EMD	47,503.136	453.037	504.296	103.144	-	103.144	61.179	1.637	0.454	0.467	0.000	48,627.350	
3352: F-35C Sustainment/ Capability Enhancements	136.307	35.666	24.420	5.787	-	5.787	4.995	0.000	0.000	0.000	0.000	207.175	

Program MDAP/MAIS Code: Project MDAP/MAIS Code(s): 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. USMC. and USAF 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

JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under SDD because it includes those projects that have passed Milestone B approval and are conducting engineering and manufacturing development tasks aimed at meeting validated requirement prior to full-rate production decision.

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

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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Navy

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Date: May 2017

Appropriation/Budget Activity

1319: Research, Development, Test & Evaluation, Navy I BA 5: System

Development & Demonstration (SDD)

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

B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	504.736	528.716	55.618	-	55.618
Current President's Budget	488.703	528.716	108.931	-	108.931
Total Adjustments	-16.033	0.000	53.313	-	53.313
 Congressional General Reductions 	-	-			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
 Reprogrammings 	0.000	0.000			
SBIR/STTR Transfer	-16.033	0.000			
 Program Adjustments 	0.000	0.000	53.313	-	53.313
 Rate/Misc Adjustments 	0.000	0.000	0.000	-	0.000

Change Summary Explanation

FY2018 Increase: \$53.313M extend F-35 System Development and Demonstration.

Sustainment/Capability Enhancements Standard Operating Unit schedule slipped from 01/2017 to 04/2018. Initial Operational Test and Evaluation (IOT&E) schedule slipped from 04/2018 to 01/2020.

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

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Exhibit R-2A, RDT&E Project Ju	stification:	FY 2018 N	lavy							Date: May	2017	
					R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD Project (Number/Name) 2261 / Joint Strike Fighter EMD							
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
2261: Joint Strike Fighter EMD	47,503.136	453.037	504.296	103.144	-	103.144	61.179	1.637	0.454	0.467	0.000	48,627.350
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Project MDAP/MAIS Code: 198

Note

Total cost including United States Navy (USN), United States Marine Corps (USMC), International partner contributions and United States Air Force (USAF) funding are: FY16 \$1,462.496M, FY17 \$1,436.879M and FY18 \$527.873M 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.

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

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.

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

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy			Date: May 2017
Appropriation/Budget Activity 1319 / 5	,	,	umber/Name) tt Strike Fighter EMD

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

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Title: System Development and Demonstration (SDD) Articles:	850.841	925.860	331.782	0.000	331.782
Description: SDD execution of the Air System (Lockheed Martin) including International Commonality Efforts; includes airframe, vehicle and mission systems, autonomic logistics, systems engineering & test efforts.					
FY 2016 Accomplishments: Continue SDD execution of Air System 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 Integrated Master Schedule (IMS) in accordance with variant Intial Operational Capability (IOC).					
FY 2017 Plans: Continue SDD execution of Air System Lockheed Martin, including International Commonality Effort which includes, airframe, vehicle systems, mission systems, autonomic logistics, systems engineering, and integrated test efforts. Activity aligned to IMS in accordance with variant IOC.					
FY 2018 Base Plans: Continue SDD execution of Air System Lockheed Martin, including International Commonality Effort which includes, airframe, vehicle systems, mission systems, autonomic logistics, systems engineering, and integrated test efforts. Activity aligned to IMS in accordance with variant IOC.					
FY 2018 OCO Plans: N/A					
Title: F135 Propulsion System Articles:	123.198	120.000	0.000	0.000	0.000

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

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy				Date: May	2017		
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/ PE 0604800N / JT Strike Fighter EMD		Project (Number/Name) 2261 / Joint Strike Fighter EMD				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantitie	s in Each)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	
Description: SDD execution of the F135 Propulsion System (Pratt & Whitne Commonality Effort; includes testing, autonomic logistics, integration & performance of the property of the propert							
FY 2016 Accomplishments: Continue SDD execution of the F135 Propulsion System with Pratt & Whitner autonomic logistics, integration and performing technology maturation effort	•						
FY 2017 Plans: Continue SDD execution of the F135 Propulsion System with Pratt & Whitne autonomic logistics, integration and performing technology maturation effort							
FY 2018 Base Plans: N/A							
FY 2018 OCO Plans: N/A							
Title: Systems Engineering (SE)	Articles:	24.844	28.181	0.912	0.000	0.912	
Description: SDD SE including systems operations requirements analysis, integration, and interoperability support.	program integration, requirements						
FY 2016 Accomplishments: Continue SDD SE, including systems operations requirements analysis, pro integration, and interoperability support.	gram integration, requirements						
FY 2017 Plans: Continue SDD SE, including systems operations requirements analysis, pro integration, and interoperability support.	gram integration, requirements						
FY 2018 Base Plans: Continue SDD SE, including systems operations requirements analysis, pro integration, and interoperability support.	gram integration, requirements						
FY 2018 OCO Plans:							

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

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy				Date: May	2017	
Appropriation/Budget Activity 1319 / 5 R-1 Program Elem PE 0604800N / JT 3 EMD			Project (No 2261 / Join			
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
N/A						
Title: Development Test and Evaluation (DT&E)	Articles:	291.530 -	281.672	143.809 -	0.000	143.80
Description: Government DT&E/Operational Testing (OT) in support of first flight of test aircraft. Electrical DT&E include preparation for flight testing and weapons integration testing.	ements of					
FY 2016 Accomplishments: Continue government DT&E/OT in support of test aircraft. Continue flight sciences testing of CTOL and CV variants to expand air vehicle envelope and support mission systems testing. Elements of light testing, weapons integration testing, and component capabilities testing.						
FY 2017 Plans: Continue government DT&E/OT in support of test aircraft. Continue flight sciences testing of CTOL and CV variants to expand air vehicle envelope and support mission systems testing. Elements of light testing, weapons integration testing, and component capabilities testing.						
FY 2018 Base Plans: Continue government DT&E/OT in support of test aircraft. Continue flight sciences testing of CTOL and CV variants to expand air vehicle envelope and support mission systems testing. Elements of light testing, weapons integration testing, and component capabilities testing.						
FY 2018 OCO Plans: N/A						
Title: Development Support	Articles:	171.483 -	80.945 -	10.676 -	0.000	10.67
Description: SDD Support efforts for airframe, air vehicle systems, mission systems, weapons intermission support, and autonomic logistics development activities.	gration,					
FY 2016 Accomplishments: Continue SDD support efforts for airframe, air vehicle systems, mission systems, weapons integration support, and autonomic logistics development activities.	on, mission					
FY 2017 Plans:						

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

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy		<u> </u>		Date: May	2017	
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/ PE 0604800N / JT Strike Fighter EMD		Project (Number/Name) 2261 I Joint Strike Fighter EMD			
B. Accomplishments/Planned Programs (\$ in Millions, Article Quant	ities in Each)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Continue SDD support efforts for airframe, air vehicle systems, mission support, and autonomic logistics development activities.	systems, weapons integration, mission					
FY 2018 Base Plans: Continue SDD support efforts for airframe, air vehicle systems, mission support, and autonomic logistics development activities.	systems, weapons integration, mission					
FY 2018 OCO Plans: N/A						
Title: Autonomic Logistics Information System (ALIS)	Articles:	0.600	0.221	40.694 -	0.000	40.694 -
Description: SDD execution of Autonomic Logistics Information System infrastructure used to transmit health and maintenance action information users.						
FY 2016 Accomplishments: Continue SDD execution of ALIS to develop the information infrastructur maintenance action information for the aircraft to the appropriate users.	e used to transmit health and					
FY 2017 Plans: Continue SDD execution of ALIS to develop the information infrastructur maintenance action information for the aircraft to the appropriate users.	e used to transmit health and					
FY 2018 Base Plans:						
Continue SDD execution of ALIS to develop the information infrastructur maintenance action information for the aircraft to the appropriate users.	e used to transmit health and					
	e used to transmit health and					
maintenance action information for the aircraft to the appropriate users. FY 2018 OCO Plans: N/A	e used to transmit health and shments/Planned Programs Subtotals	1,462.496	1,436.879	527.873	0.000	527.873
maintenance action information for the aircraft to the appropriate users. FY 2018 OCO Plans: N/A	shments/Planned Programs Subtotals Joint Strike Fighter 0604800F	497.031	403.505	255.745	0.000	255.74
maintenance action information for the aircraft to the appropriate users. FY 2018 OCO Plans: N/A	shments/Planned Programs Subtotals	497.031 495.428	403.505 507.078			527.873 255.745 141.534 27.450

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

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cation: FY	2018 Navy							Doto: Mo:	. 0047		
								Date: May	/ 2017		
					ment (Numbe Strike Fighte		Project (Number/Name) 2261 / Joint Strike Fighter EMD				
ams (\$ in I	Millions, Ar	ticle Quantit	ies in Each	1)		FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	
				N	lavy Subtota	Is 453.037	504.296	103.144	0.000	103.14	
/ (\$ in Milli	ions)										
FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019						
497.031	403.505	255.745	-	255.745	69.655	7.796	5.598	0.000	0.000	22,265.22	
17.000	22.000	27.450	-	27.450	0.000	0.000	0.000	0.000	0.000	5,013.46	
5,259.812	4,997.394	4,544.684	-	4,544.684	4,253.696	4,209.813 4	,862.684	4,796.042 1	44,128.756	198,657.19	
495.428	507.078	141.534	-	141.534	55.952	1.727	0.547	0.564	0.000	48,705.96	
111.569	123.252	105.671	-	105.671	92.198	160.150	140.989	143.809	Continuing	Continuin	
59.914	26.076	84.591	-	84.591	44.971	52.858	303.608	309.680	Continuing	Continuin	
132.850	305.700	80.000	-	80.000	27.500	0.000	0.000	0.000	1,312.100	2,511.35	
70.167	175.811	68.270	-	68.270	230.448	279.814	259.978	301.899	Continuing	Continuin	
47.023	127.302	299.408	-	299.408	463.321	474.971	396.488	263.548	Continuing	Continuin	
229.582	362.792	320.831	-	320.831	319.151	416.722	399.361	394.654	3,893.112	7,567.51	
3.858	2.333	3.326	-	3.326	3.310	2.993	2.463	2.507	Continuing	Continuin	
204.464 48.527 30.819	34.928 26.004 24.348	34.963 31.689 11.400	- - -	34.963 31.689 11.400	70.305 22.344 0.000	67.039 14.155 0.000	79.174 13.404 0.000				
<i>i</i> ,	(\$ in Milli FY 2016 497.031 17.000 259.812 495.428 111.569 59.914 132.850 70.167 47.023 229.582 3.858 204.464 48.527	(\$ in Millions) FY 2016 497.031 403.505 17.000 22.000 259.812 4,997.394 495.428 507.078 111.569 123.252 59.914 26.076 132.850 305.700 70.167 175.811 47.023 127.302 229.582 362.792 3.858 2.333 204.464 48.527 26.004	(\$ in Millions) FY 2016 497.031 403.505 17.000 22.000 27.450 259.812 4,997.394 4,544.684 495.428 507.078 141.534 111.569 123.252 105.671 59.914 26.076 84.591 132.850 305.700 80.000 70.167 175.811 68.270 47.023 127.302 299.408 229.582 362.792 320.831 3.858 2.333 3.326 204.464 34.928 34.963 48.527 26.004 31.689	(\$ in Millions) FY 2016 FY 2017 Base OCO 497.031 403.505 255.745 17.000 22.000 27.450	Section Millions Article Quantities in Each Section Sect	Navy Subtota Navy Subtota Navy Subtota Navy Subtota Strain Millions FY 2018 FY 2018 FY 2018 FY 2018 FY 2019 Navy Subtota Navy Subtota Strain Millions FY 2018 FY 2018 FY 2018 FY 2019 Navy Subtota Navy Subtota Strain Millions FY 2017 Base OCO Total FY 2019 Navy Subtota Navy Subtota	FY 2016 Navy Subtotals FY 2016 Navy Subtotals 453.037 (\$ in Millions) FY 2018 FY 2018 FY 2018 FY 2019 FY 2020 407.031 403.505 255.745 - 255.745 69.655 7.796 17.000 22.000 27.450 - 27.450 0.000 0.000 259.812 4,997.394 4,544.684 - 4,544.684 4,253.696 4,209.813 4 495.428 507.078 141.534 - 141.534 55.952 1.727 111.569 123.252 105.671 - 105.671 92.198 160.150 59.914 26.076 84.591 - 84.591 44.971 52.858 132.850 305.700 80.000 - 80.000 27.500 0.000 70.167 175.811 68.270 - 68.270 230.448 279.814 47.023 127.302 299.408 - 299.408 463.321 474.971 229.582 362.792 320.831 - 320.831 319.151 416.722 3.858 2.333 3.326 - 3.326 3.310 2.993 204.464 34.928 34.963 - 34.963 70.305 67.039 48.527 26.004 31.689 - 31.689 22.344 14.155	Section Millions Article Quantities in Each Fy 2016 Fy 2017 A53.037 504.296	Navy Subtotals FY 2016 FY 2017 Base Navy Subtotals FY 2018 FY 2018 Solution Solut	FY 2016 FY 2017 Base OCO Total FY 2018 FY	

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

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Exhibit R-2A, RDT&E Project Justi Appropriation/Budget Activity 1319 / 5		2010114419			rogram Ele 604800N / J7	•	,	,	Date: Ma Number/Na oint Strike Fi	ime)	
131975				EMD	004800IN <i>I J I</i>	Strike Figh	ter (JSF) -	2201730	oint Strike Fi	gnter EMD	
C. Other Program Funding Summa	ary (\$ in Mill	ions)									
	• .	,	FY 2018	FY 2018	FY 2018					Cost To	
<u>Line Item</u>	FY 2016	FY 2017	Base	OCO	<u>Total</u>	FY 2019	FY 2020	FY 2021	FY 2022	Complete	Total Cos
 USAF SDD BP 653832: 	78.901	46.962	37.202	-	37.202	0.000	0.000	0.000	0.000	0.000	238.59
Deployability and											
Suitability Enhancements											
• PAF/0207142F BP10: <i>F-35A</i>	460.260	404.500	780.300	_	780.300	405.200	1,003.600	965.300	414.700	13,451.541	20,181.88
JSF CTOL Advance Procurement							,			,	,
• DCA/0207142F 676011:	4.967	25.743	35.122	_	35.122	47.016	49.026	67.040	62.599	Continuing	Continuir
Dual Capable Aircraft (DCA)											
• APN/0147: <i>F-35C</i>	1,062.542	939.280	663.232	_	663.232	1,302.363	2,016.259	2,835.305	2.992.701	30,639.555	55.785.27
Joint Strike Fighter CV	.,002.0.2	000.200	000.202		000.202	.,002.000	_,0:0:_00	_,000.000	_,000.	00,000.000	
• APN/0152C: <i>F-35B Joint</i>	203.060	233.648	413.450	_	413.450	228.492	231.802	220.822	225 245	1,959.119	4 802 15
Strike Fighter STOVL AP	200.000	200.010				220.102	201.002	220.022	220.210	1,000.110	1,002.10
• APN/0152: <i>F-35B Joint</i>	2,291.599	2,243.741	2,631.787	_	2,631.787	2 660 443	2 723 935	2 816 841	2 821 572	22,732.766	47 011 82
Strike Fighter STOVL	2,201.000	2,2 .0	2,00101		2,00107	2,000.1.0	2,7 20.000	2,010.011	2,021.012	22,1 02.1 00	,002
• DoN MILCON: DoN JSF MILCON	94.420	230.900	64.660	_	64.660	121.990	119.800	0.000	0.000	642 400	1,406.07
• International 2: Intl Production/	189.922	185.641	124.114	_	124.114	151.776	150.588	149.848		Continuing	,
Reprogramming Lab	.00.022	100.011					100.000	1 10.0 10	0	oonang	o o i i i i i i i i i i i i i i i i i i
• OPN/4268: Logistics	48.773	39.099	34.032	29.245	63.277	32.742	46.073	47.389	62 299	Continuing	Continuir
Information System (ALIS)	10.770	00.000	01.002	20.210	00.277	02.7 12	10.070	17.000	02.200	continuing	Continui
• MC/0207597F: <i>USAF</i>	65.400	20.000	21.000	_	21.000	34.000	15.900	0.000	0.000	0.000	156.30
MILCON Training	00.100	20.000	21.000		21.000	01.000	10.000	0.000	0.000	0.000	100.00
• International 3:	83.595	84.602	158.273	_	158.273	159.649	162.023	167.383	160 111	Continuing	Continuir
International R&D FoD/D&S	00.000	04.002	100.210		100.270	100.040	102.020	107.000	100.111	Continuing	Continui
• OPN 902010 S8JC: Aviation	2.946	0.881	2.297	_	2.297	2.321	0.139	1.977	0.000	Continuing	Continuir
Support Equipment (ALIS)	2.540	0.001	2.201		2.231	2.021	0.100	1.577	0.000	Continuing	Continuin
• USAF O&M: USAF O&M	312.557	425.978	452.906	_	452.906	555.687	873.270	998.979	058 708	Continuing	Continuin
• USAF MILCON 0502635F:	0.000	15.100	0.000	_	0.000	0.000	0.000	0.000	0.000	0.000	15.10
USAF MILCON Air National Guard	0.000	13.100	0.000	_	0.000	0.000	0.000	0.000	0.000	0.000	15.10
• USN 2936: F-35C Follow-	20.544	63.387	139.942	_	139.942	224.712	228.707	188.678	120 102	Continuing	Continuin
on Development (CV)	20.544	00.007	100.042	_	100.042	227.112	220.101	100.070	120.132	Continuing	Continuin
International Unique:	38.483	32.374	15.566		15.566	0.000	0.000	0.000	0.000	0.000	482.41
Intl Unique (SDD/PSFD)	30.403	32.314	13.300	-	10.000	0.000	0.000	0.000	0.000	0.000	4 02.41

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

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy		Date: May 2017
, , , , , , , , , , , , , , , , , , ,	, ,	umber/Name) t Strike Fighter EMD
C. Other Program Funding Summary (\$ in Millions)		

FY 2018 FY 2018 FY 2018 Cost To FY 2020 FY 2021 FY 2022 Complete Total Cost Line Item FY 2016 FY 2017 Base 000Total FY 2019

Remarks

D. Acquisition Strategy

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

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

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

In Fiscal Year 2007, separate cost-type contracts were awarded to Lockheed Martin Aeronautics Company and Pratt & Whitney to begin low rate initial production for F-35 air vehicles, propulsion systems, and sustainment for the fielded systems. Transition to fixed-price-type procurement 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, a fixed-price-type Performance Based Logistics contracts for sustainment will be requested to support multi-Service and multi-national requirements.

E. Performance Metrics

The following are the key performance parameters from the F-35 Selected Acquisition Report:

Performance Metrics reflect Key Program Performance data.

Combat Radius

Navy

F-35A Meets/Exceeds Tripwire Requirement

F-35B Meets/Exceeds Tripwire Requirement

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

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy		'	Date: May 2017
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD	, ,	umber/Name) nt Strike Fighter EMD

F-35C Meets/Exceeds Tripwire Requirement

CV Recovery Performance

Maximum Approach Speed at required carrier landing weight

Mission Reliability

F-35A Meets/Exceeds Tripwire Requirement

F-35B Meets/Exceeds Tripwire Requirement

F-35C Meets/Exceeds Tripwire Requirement

Sortie Generation Rate

F-35A Meets Tripwire Requirement

F-35B Meets Tripwire Requirement

F-35C Meets Tripwire Requirement

Logistics Footprint

F-35A Less than or equal to 8 C-17 equivalents

F-35B Less than or equal to 8 C-17 equivalents

F-35C Less than or equal to 38,800 cu ft., 217 ST

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

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy

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R-1 Program Element (Number/Name)

Project (Number/Name)

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Appropriation/Budget Activity

PE 0604800N I JT Strike Fighter (JSF) -

2261 I Joint Strike Fighter EMD

Date: May 2017

Product Developmen	nt (\$ in M	illions)		FY 2	2016	FY 2	2017	FY 2 Ba		FY 2	2018 CO	FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development - SDD	C/CPIF	Lockheed Martin : Ft. Worth, TX	30,424.313	795.482	Dec 2015	774.642	Dec 2016	274.720	Dec 2017	-		274.720	170.619	32,439.776	32,439.77
Primary Hardware Development - Award Fee	C/CPIF	Lockheed Martin : Ft. Worth, TX	1,709.429	17.830	Dec 2015	11.430	Dec 2016	35.000	Dec 2017	-		35.000	2.500	1,776.189	1,776.189
Primary Hardware Development - ALIS	C/CPIF	Lockheed Martin : Ft. Worth, TX	461.717	0.600	Dec 2015	0.221	Dec 2016	40.694	Dec 2017	-		40.694	27.400	530.632	530.632
Primary Hardware Development - 0031	C/CPFF	Lockheed Martin : Ft. Worth, TX	0.337	0.000		0.506	Dec 2016	0.169	Dec 2017	-		0.169	0.000	1.012	1.012
Primary Hardware Development - 0020	C/CPFF	Lockheed Martin : Ft. Worth, TX	45.120	36.718	Dec 2015	139.281	Dec 2016	21.893	Dec 2017	-		21.893	0.000	243.012	243.012
Primary Hardware Development - 0016	C/CPFF	Lockheed Martin : Ft. Worth, TX	15.045	0.811	Dec 2015	0.000		0.000		-		0.000	0.000	15.856	15.856
Primary Hardware Development - SDD	C/CPIF	Pratt and Whitney : Hartford, CT	7,180.563	115.765	Dec 2015	105.448	Dec 2016	0.000		-		0.000	0.000	7,401.776	7,401.776
Primary Hardware Development - Award Fee	C/CPIF	Pratt and Whitney : Hartford, CT	670.213	7.433	Dec 2015	14.552	Dec 2016	0.000		-		0.000	0.000	692.198	692.198
Systems Engineering	Various	Various : Various	414.111	21.260	Nov 2015	23.577	Nov 2016	0.911	Dec 2017	-		0.911	0.000	459.859	459.859
Prior Year No Longer Funded in FYDP	Various	Various : Various	2,893.266	0.000		0.000		0.000		-		0.000	0.000	2,893.266	2,893.266
		Subtotal	43,814.114	995.899		1,069.657		373.387		-		373.387	200.519	46,453.576	46,453.57

Remarks

Contract type prior to 2013 was CPAF.

Cumulative Award Fee earned in prior years for Lockheed Martin is 86%.

Cumulative Award Fee earned in prior years for Pratt and Whitney is 94%.

Support (\$ in Millions	s)			FY 2	2016	FY 2	2017	FY 2 Ba	2018 ise	FY 2	2018 CO	FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support - AFFTC/Eglin	Various	Eglin AFB : Eglin, FL	133.721	5.205	Nov 2015	1.834	Nov 2016	0.830	Nov 2017	-		0.830	0.000	141.590	-

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

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy

R-1 Program Element (Number/Name)

Project (Number/Name)

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Appropriation/Budget Activity

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

2261 I Joint Strike Fighter EMD

Date: May 2017

Support (\$ in Million	s)			FY 2	2016	FY 2	2017		2018 ise		2018 CO	FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract
Development Support - AFLCMC/AFRL	Various	AFLCMC/AFRL : Various	65.104	10.725	Nov 2015	3.133	Nov 2016	0.000		-		0.000	0.000	78.962	-
Engine Test and Evaluation Support - AEDC/Fuel	Various	Various : Various	191.102	8.845	Nov 2015	3.771	Nov 2016	0.000		-		0.000	0.000	203.718	-
Development Support - Miscellaneous	Various	Various : Various	110.915	12.601	Nov 2015	12.356	Nov 2016	2.927	Nov 2017	-		2.927	0.764	139.563	-
Software Development Support	Various	NAWC WD : China Lake, CA	152.642	10.533	Nov 2015	4.312	Nov 2016	0.000		-		0.000	0.000	167.487	-
Development Support	Various	NAWC AD : Patuxent River, MD	406.999	98.485	Nov 2015	41.726	Nov 2016	6.913	Nov 2017	-		6.913	0.000	554.123	-
Prior Year No Longer Funded in FYDP	Various	Various : Various	77.641	0.000		0.000		0.000		-		0.000	0.000	77.641	-
		Subtotal	1,138.124	146.394		67.132		10.670		-		10.670	0.764	1,363.084	-

Test and Evaluation	(\$ in Milli	ons)		FY 2	2016	FY 2	2017		2018 ise		2018 CO	FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract
Developmental Test and Evaluation	Various	NAWC WD : China Lake, CA	38.905	1.640	Nov 2015	2.712	Nov 2016	0.000		-		0.000	0.000	43.257	-
Developmental Test and Evaluation	Various	NAWC AD : Patuxent River, MD	668.838	83.330	Nov 2015	54.944	Nov 2016	4.400	Nov 2017	-		4.400	0.000	811.512	-
Developmental Test and Evaluation	Various	Edwards AFB : Edwards AFB, CA	618.609	65.334	Nov 2015	54.976	Nov 2016	4.400	Nov 2017	-		4.400	0.000	743.319	-
Developmental Test and Evaluation - Other (including Classified PIDs)	Various	Other (incl Classified PIDs) : Various	204.506	36.766	Nov 2015	30.602	Nov 2016	2.400	Nov 2017	-		2.400	0.000	274.274	-
Operational Test and Evaluation Support	Various	WEPS/Eglin : Various	27.829	0.000		0.000		0.000		-		0.000	0.000	27.829	-
Operational Test and Evaluation Support	Various	OT-AFOTEC/ AFFTC : Kirkland	179.619	24.926	Nov 2015	35.436	Nov 2016	41.976	Nov 2017	-		41.976	2.150	284.107	-

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

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy

Appropriation/Budget Activity 1319 / 5

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

EMD

Project (Number/Name)

2261 I Joint Strike Fighter EMD

Date: May 2017

Test and Evaluation	(\$ in Milli	ons)		FY 2	2016	FY 2	2017	FY 2 Ba	2018 ise	FY 2	2018 CO	FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract
		AFB, NM/Eglin AFB, FL													
Operational Test and Evaluation Support	Various	OT-JITC/OPTEC : Various	36.435	24.808	Nov 2015	42.956	Nov 2016	71.886	Nov 2017	-		71.886	2.143	178.228	-
Operational Test and Evaluation Support	Various	OT-CHLK : China Lake, CA	0.000	3.999	Nov 2015	9.912	Nov 2016	15.392	Nov 2017	-		15.392	0.000	29.303	-
Operational Test and Evaluation Support	Various	OT-Various : Various	0.105	7.718	Nov 2015	2.775	Nov 2016	3.274	Nov 2017	-		3.274	0.000	13.872	-
		Subtotal	1,774.846	248.521		234.313		143.728		-		143.728	4.293	2,405.701	_

Management Service	s (\$ in M	illions)		FY	2016	FY 2	2017		2018 ase		2018 CO	FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract
Security System High BOS	C/FP	Mantech : Arlington, VA	0.000	7.845	Dec 2015	8.037	Dec 2016	0.000		-		0.000	0.000	15.882	15.882
AFLCMC Civilian Pay	Various	AFLCMC CIVPAY : Wright Patterson, AFB, OH	94.833	25.478	Oct 2015	10.270	Oct 2016	0.000		-		0.000	0.000	130.581	-
Program Management Support	C/CPFF	Allutiiq : Arlington, VA	1.934	0.279	Dec 2015	0.192	Dec 2016	0.000		-		0.000	0.000	2.405	2.405
Facilities BOSS	WR	Various : Various	26.070	6.702	Dec 2015	9.013	Dec 2016	0.000		-		0.000	0.000	41.785	-
CIO ODCs	Various	Various : Various	9.058	3.963	Dec 2015	7.256	Dec 2016	0.000		-		0.000	0.000	20.277	-
Travel	Various	Various : Various	21.959	2.871	Oct 2015	2.343	Oct 2016	0.088	Dec 2017	-		0.088	0.000	27.261	-
Program Management Support	Various	Jacobs BOSS : Arlington, VA	26.012	24.428	Dec 2015	24.686	Dec 2016	0.000		-		0.000	0.000	75.126	-
OPS - Cost/FM/EV ACT-I	Various	OPS - Cost/FM/EV : Arlington, VA	2.000	0.000		3.845	Dec 2016	0.000		-		0.000	0.000	5.845	-
Program Management Support	Various	Andrews AFB : Camp Springs, MD	0.242	0.116	Dec 2015	0.135	Dec 2016	0.000		-		0.000	0.000	0.493	-
Prior Year No Longer Funded in FYDP	Various	Various : Various	593.944	0.000		0.000		0.000		-		0.000	0.000	593.944	-

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

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

PE 0604800N / JT Strike Fighter (JSF) -

Project (Number/Name)
2261 / Joint Strike Fighter EMD

Date: May 2017

EMD

Management Service	es (\$ in M	illions)		FY 2	2016	FY 2	2017		2018 ise		2018 CO	FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract
		Subtotal	776.052	71.682		65.777		0.088		-		0.088	0.000	913.599	-

Remarks

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Cumulative Award Fee earned in prior years for Stanley is 99%.

	Prior Years	FY 20	016 FY 2	-		2018 FY 2018 DCO Total	Cost To		Target Value of Contract
Cost Category Subtotals	47,503.136	1,462.496	1,436.879	527.873	-	527.873	205.576	51,135.960	-
Joint Strike Fighter 0604800F	-	497.031	403.505	255.745	-	255.745	5		-
Joint Strike Fighter 0604800M	-	495.428	507.078	141.534	-	141.534	1		-
International Partner	-	17.000	22.000	27.450	-	27.450)		-
Project Cost Totals	47,503.136	453.037	504.296	103.144	-	103.144	205.576	51,135.960	-

Remarks

Subtotals and totals may not add due to rounding.

NOTE 1: Prior Years reflect \$21,025.899M USAF/\$18,858.842M USN/\$2,671.382 USMC /\$4,947.013 International/Total \$47,503.136M

FY 2016 reflects \$497.031M USAF/\$453.037M USN/\$495.428M USMC/\$17.000M International/Total \$1,462.496M

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

FY 2018 reflects \$255.745M USAF/\$103.144M USN/\$141.534M USMC/\$27.450M International/Total \$ 527.873M

JSF EMD Includes:

USAF PE 0604800F BPAC 653831

USN PE 0604800N Project Unit 2261

USMC PE 0604800M Project Unit 2262

D&S Includes:

Navy

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

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

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Exhibit R-4, RDT&E Schedule Prof	file:	FY	201	8 Navy	′																			Date:	May	201	17	
Appropriation/Budget Activity 1319 / 5										F		Progra 60480												mbei Strike			· EM	D
JSF Variants - CV, STOVL & CTOL		FY 2Q	Y 20				2017	, 4Q	1		201				2019	4Q		FY 2					202	1 4Q			2022	
Acquisition Milestones	[0]	20	302	F-35A IOC		20	30	40		20		F-35C IOC	lu 	20	302	44	10	20	30	40	"	20	30	1	"	20	302	40
Test & Evaluation	 		lock &E/0	3i		 	 		 			_											 	 	 		 	
				Blo	↓ ck 3l	I DT	&E/C	l Cert	1		'				l				l									
											Init	ial Ope Evalua				and	'											
Defense Acquisition Reviews	 	 	 	IPR	i 	i	i	IRP	i 			IPR				IPR				IPR			 	IPR	 		i	
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft)	LF			F 19, U MC 6)	SN																							
				LRI	ι	ÌSМ	C 6)	JSN 4 = 28,		4, 0	JSM	C 6)												 				
	İ	İ	İ					LR	RIP 1	1 (Al	47,	USN 6	, us	мс	15)			İΙ	j		İ	İ	İ	İ	İ		İ	İ
	 	 	 	 	 					<u> </u>		LRIP	12 (AF 4	8, U	ISN 4				\F 46	3, US	 SN 4	 , us	 мс 2	0)			
	İ	İ	İ	İ	İ	İ	i i	İ	İ	İ	i		İİ						L	RIP	14 (A	\F 48	8, U	SN 9,	USI	ИС 2	20)	
																							.RIP	15 (A US	MC		SN 16	5,

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

Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy			Date: May 2017
11	, ,	, ,	umber/Name) nt Strike Fighter EMD

Schedule Details

	Sta	art	En	nd
Events by Sub Project	Quarter	Year	Quarter	Year
JSF Variants - CV, STOVL & CTOL	,			
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	2016	4	2016
Test & Evaluation: Test and Evaluation: Block 3F DT&E/Cert	1	2016	3	2018
Test & Evaluation: Test and Evaluation: Initial Operational Test and Evaluation (IOT&E)	2	2018	1	2020
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-16	4	2016	4	2016
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-17	4	2017	4	2017
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-18	4	2018	4	2018
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-19	4	2019	4	2019
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-20	4	2020	4	2020
Defense Acquisition Reviews: System Development Reviews: Interim Program Review (IPR) FY-21	4	2021	4	2021
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 8 Full Funding / Production / Delivery	1	2016	1	2017
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 9 Full Funding / Production / Delivery	4	2016	1	2018
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 10 Full Funding / Production / Delivery	4	2016	1	2019

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

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Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy

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

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

	St	art	E	nd
Events by Sub Project	Quarter	Year	Quarter	Year
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 11 Full Funding / Production / Delivery	2	2017	1	2020
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 12 Full Funding / Production / Delivery	2	2018	1	2021
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 13 Full Funding / Production / Delivery	2	2019	4	2022
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 14 Full Funding / Production / Delivery	2	2020	4	2022
Production Lots (Full Funding / Production / Delivery: U.S. Aircraft): LRIP 15 Full Funding / Production / Delivery	2	2021	4	2022

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

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Exhibit R-2A, RDT&E Project Ju				Date: May	2017											
1						am Elemen 00N / JT Str	•	,	Project (N 3352 / F-38 Enhancem	5C Sustainı	Sustainment/Capability					
COST (\$ in Millions) Prior Years FY 2018 FY 2017 Base						FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost				
3352: F-35C Sustainment/ Capability Enhancements	136.307	35.666	24.420	5.787	-	5.787	4.995	0.000	0.000	0.000	0.000	207.175				
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-						

Project MDAP/MAIS Code: 198

Note

Navy

Total cost including United States Navy (USN), United States Marine Corps (USMC), United States Air Force (USAF) and International Partner contributions funding is: FY16 \$184.378M, FY17 \$108.761M and FY18 \$61.270M

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

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

D&S Includes:

USAF PE 64800F BPAC 653832 USN PE 0604800N Project Unit 3352 USMC PE 0604800M Project Unit 3350

A. Mission Description and Budget Item Justification

Funds enhancements to the deployability and suitability of the air system such as low observable (LO) maintenance enhancements, security architecture updates, redesign of obsolete items, and integrated training simulators. These enhancements will provide vital on-demand support to the war-fighter within a deployed environment and are not funded via the existing System Development and Demonstration (SDD) program or tied to Block 4 Operational Flight Program development. Funding will result in achieving targeted suitability, maintainability, and affordability returns employing the F-35 in deployed or austere locations.

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

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Title: Sustainment and Capability Enhancements		118.070	64.064	26.030	0.000	26.030
Art	rticles:	-	-	-	-	-
Description: Apply disciplined systems engineering, refinement of requirements, develop and acquire						

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

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		Data: May 2017						
Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy			1	Date: May				
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/N PE 0604800N / JT Strike Fighter (EMD		Project (Number/Name) 3352 I F-35C Sustainment/Capability Enhancements					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quan	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total			
suitability and maintainability of the air system such as decentralized ma enhancements, security architecture updates, redesign of obsolete item								
FY 2016 Accomplishments: Continue to conduct systems engineering, technical maturation, integrat deployability enhancements. Increase is to perform sustaining engineering necessary to gain capacity, compatibility, and expansion in wiring, power electronic warfare. This includes funding for suitability enhancements su and Band 2/5 efforts.	ing, development and test activities er, wing conduits, etc. in support of							
FY 2017 Plans: Continue to conduct systems engineering, technical maturation, integrat deployability enhancements. Increase is to perform sustaining engineering necessary to gain capacity, compatibility, and expansion in wiring, power electronic warfare. This includes funding for suitability enhancements su and Band 2/5 efforts.	ing, development and test activities er, wing conduits, etc. in support of							
FY 2018 Base Plans: Continue to conduct systems engineering, technical maturation, integrat deployability enhancements. Increase is to perform sustaining engineerinecessary to gain capacity, compatibility, and expansion in wiring, power electronic warfare. This includes funding for suitability enhancements su and Band 2/5 efforts.	ing, development and test activities er, wing conduits, etc. in support of							
FY 2018 OCO Plans: N/A								
Title: Development Support	Articles:	16.592	3.556	1.000	0.000	1.00		
Description: SDD support efforts for airframe, air vehicle systems, mission support, and autonomic logistics development activities.								
FY 2016 Accomplishments:								

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

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy			Date : May 2017						
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/ PE 0604800N / JT Strike Fighter (EMD		Project (Number/Name) 3352 / F-35C Sustainment/Capability Enhancements						
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities i	n Each)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total			
Continue to initiate development enhancement support for Deployable Autonor decentralized maintenance capabilities, Low Observable maintenance enhance updates, redesign of obsolete items, and integrated training simulators.									
FY 2017 Plans: Continue SDD support efforts for airframe, air vehicle systems, mission system support, and autonomic logistics development activities. Development Support board reduction between both services.									
FY 2018 Base Plans: Continue SDD support efforts for airframe, air vehicle systems, mission system support, and autonomic logistics development activities. Development Support board reduction between both services.									
FY 2018 OCO Plans: N/A									
Title: Development Test and Evaluation	Articles:	1.609	1.440	0.500	0.000	0.500			
Description: Verification and testing for deployability and suitability enhancement	ents.								
FY 2016 Accomplishments: Continue to initiate government test and evaluation of capability enhancements Logistics Information System, and LO maintenance enhancements.	for Deployable Autonomic								
FY 2017 Plans: Continue to initiate government test and evaluation of capability enhancements Logistics Information System, and LO maintenance enhancements.	for Deployable Autonomic								
FY 2018 Base Plans: Continue to initiate government test and evaluation of capability enhancements Logistics Information System, and LO maintenance enhancements.	for Deployable Autonomic								
FY 2018 OCO Plans: N/A									
Title: Autonomic Logistics Information System		48.107	39.701	33.740	0.000	33.740			

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Exhibit R-2A, RDT&E Project Ju	stification: FY	2018 Navy						_	Date: May 2017					
Appropriation/Budget Activity 1319 / 5						nent (Numbe Strike Fighte			umber/Nan 5C Sustainn ents		ility			
B. Accomplishments/Planned Pr	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total									
		s: -	-	-	-	-								
Description: SDD execution of Au infrastructure used to transmit heat users.														
FY 2016 Accomplishments: SDD execution of Autonomic Logistransmit health and maintenance a						ructure used t	0							
FY 2017 Plans: SDD execution of Autonomic Logic	stics Information	n Svstem (A	I IS) develon	ns the inform	ation infract	ructure used t	0							
transmit health and maintenance a						acture asca t								
	action informationstics Information	on for the air n System (A	craft to the a	appropriate ups the information	isers. ation infrast									
transmit health and maintenance a FY 2018 Base Plans: SDD execution of Autonomic Logic	action informationstics Information	on for the air n System (A	craft to the a	appropriate ups the information	isers. ation infrast									
transmit health and maintenance a FY 2018 Base Plans: SDD execution of Autonomic Logistransmit health and maintenance a FY 2018 OCO Plans:	action informationstics Information	on for the air n System (A on for the air	craft to the a	appropriate uns the informate unspropriate un unspropriate un un un un un un un un un un un un un	isers. ation infrast isers.		o	108.761	61.270	0.000	61.270			
transmit health and maintenance a FY 2018 Base Plans: SDD execution of Autonomic Logistransmit health and maintenance a FY 2018 OCO Plans:	action informationstics Information	on for the air n System (A on for the air	craft to the a	appropriate ups the information of the information	ation infrast asers.	ructure used t	o		61.270 37.202	0.000				
transmit health and maintenance a FY 2018 Base Plans: SDD execution of Autonomic Logistransmit health and maintenance a FY 2018 OCO Plans:	action informationstics Information	on for the air n System (A on for the air	craft to the a	appropriate uns the information in the information	ation infrast isers. nned Progra int Strike Fig	ructure used t	o	46.962			37.202			
transmit health and maintenance a FY 2018 Base Plans: SDD execution of Autonomic Logistransmit health and maintenance a FY 2018 OCO Plans:	action informationstics Information	on for the air n System (A on for the air	craft to the a	appropriate uns the information in the information	ation infrast isers. nned Progra int Strike Fig ke Fighter 0	ructure used t ams Subtotal hter 0604800	0	46.962 24.348	37.202	-	61.270 37.202 11.400 6.88 ²			
transmit health and maintenance a FY 2018 Base Plans: SDD execution of Autonomic Logistransmit health and maintenance a FY 2018 OCO Plans:	action informationstics Information	on for the air n System (A on for the air	craft to the a	appropriate uns the information in the information	ation infrast isers. nned Progra int Strike Fig ke Fighter 0	ructure used to the second sec	o 184.378 F 78.901 0 30.819 er 38.992	46.962 24.348 13.031	37.202 11.400 6.881	-	37.202 11.400			
transmit health and maintenance a FY 2018 Base Plans: SDD execution of Autonomic Logic transmit health and maintenance a FY 2018 OCO Plans: N/A	action information	on for the air	craft to the a	appropriate uns the information in the information	ation infrast isers. nned Progra int Strike Fig ke Fighter 0	ructure used to ams Subtotal anter 0604800 604800M 335 actional Partne	o 184.378 F 78.901 0 30.819 er 38.992	46.962 24.348 13.031	37.202 11.400 6.881		37.202 11.400 6.88			
transmit health and maintenance a FY 2018 Base Plans: SDD execution of Autonomic Logistransmit health and maintenance a FY 2018 OCO Plans: N/A C. Other Program Funding Summ	action information	on for the air	craft to the a	appropriate uns the information in the information	ation infrast isers. nned Progra int Strike Fig ke Fighter 0	ructure used to ams Subtotal anter 0604800 604800M 335 actional Partne	o ls 184.378 F 78.901 i0 30.819 er 38.992 ls 35.666	46.962 24.348 13.031 24.420	37.202 11.400 6.881 5.787	- - - 0.000	37.202 11.400 6.88 5.78			
transmit health and maintenance a FY 2018 Base Plans: SDD execution of Autonomic Logistransmit health and maintenance a FY 2018 OCO Plans: N/A C. Other Program Funding Sumi	ection information stics Information action information action information mary (\$ in Milli	on for the air n System (A on for the air ons) FY 2017	LIS) develop craft to the a Accomplish FY 2018 Base	appropriate ups the information appropriate uppropriat	ation infrast isers. nned Progra int Strike Fig ke Fighter 0 Interr N FY 2018 Total	ams Subtotal ther 0604800 604800M 335 ational Partnel avy Subtotal	0 184.378 F 78.901 60 30.819 er 38.992 s 35.666 er FY 2020	46.962 24.348 13.031 24.420	37.202 11.400 6.881 5.787	- - 0.000 Cost To Complete	37.20 11.40 6.88 5.78			
transmit health and maintenance a FY 2018 Base Plans: SDD execution of Autonomic Logistransmit health and maintenance a FY 2018 OCO Plans: N/A C. Other Program Funding Summ	action information stics Information action information action information mary (\$ in Milli	on for the air n System (A on for the air	LIS) develop craft to the a	appropriate ups the information appropriate uppropriat	ation infrast isers. nned Progra int Strike Fig ke Fighter 0 Interr N	ams Subtotal hter 0604800 604800M 335 ational Partne	o ls 184.378 F 78.901 i0 30.819 er 38.992 ls 35.666	46.962 24.348 13.031 24.420	37.202 11.400 6.881 5.787	- 0.000 Cost To Complete	37.202 11.400 6.88 5.78			

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

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Exhibit R-2A, RDT&E Project Just	tification: FY	2018 Navy							Date : May 2017				
Appropriation/Budget Activity 1319 / 5				I	•	ment (Numl T Strike Figh	3352 <i>I F</i> -	Project (Number/Name) 3352					
C. Other Program Funding Summ	ary (\$ in Mill	ions)											
			FY 2018	FY 2018	FY 2018					Cost To			
<u>Line Item</u>	FY 2016	FY 2017	<u>Base</u>	<u>000</u>	<u>Total</u>	FY 2019	FY 2020	FY 2021		Complete			
 APAF/0207142F BP10: 	5,259.812	4,997.394	4,544.684	-	4,544.684	4,253.696	4,209.813	4,862.684	4,796.042	144,128.756	3198,657.1		
F-35A USAF CTOL													
• RDT&E/0604800M/2262: <i>F-35B</i>	495.428	507.078	141.534	-	141.534	55.952	1.727	0.547	0.564	0.000	48,705.9		
JT Strike Fighter (JSF) - EMD													
 APN/0605B: F-35B Joint 	111.569	123.252	105.671	-	105.671	92.198	160.150	140.989	143.809	Continuing	Continui		
Strike Fighter STOVL Spares													
 APN/0605C: F-35 Joint 	59.914	26.076	84.591	-	84.591	44.971	52.858	303.608	309.680	Continuing	Continui		
Strike Fighter CV Spares													
MILCON 0207142F:	132.850	305.700	80.000	-	80.000	27.500	0.000	0.000	0.000	1,312.100	2,511.3		
USAF MILCON Operations													
 APAF/0207142F BP11: 	70.167	175.811	68.270	-	68.270	230.448	279.814	259.978	301.899	Continuing	Continui		
USAF Modification Funding													
 FOD/0207142F: USAF 	47.023	127.302	299.408	-	299.408	463.321	474.971	396.488	263.548	Continuing	Continui		
Follow-on Development (FoD)													
• 0207142F/USAF BP16: <i>USAF</i>	229.582	362.792	320.831	-	320.831	319.151	416.722	399.361	394.654	3,893.112	7,567.5		
Joint Strike Fighter Initial Spares													
• USAF/OPAF	3.858	2.333	3.326	-	3.326	3.310	2.993	2.463	2.507	Continuing	Continui		
0207142F: <i>USAF OPAF</i>													
• APN/0592: F-35B STOVL Series	204.464	34.928	34.963	-	34.963	70.305	67.039	79.174	80.761	Continuing	Continui		
 APN/0593: F-35C CV Series 	48.527	26.004	31.689	-	31.689	22.344	14.155	13.404	13.672	Continuing	Continui		
RDT&E/0604800M/3350:	30.819	24.348	11.400	-	11.400	0.000	0.000	0.000	0.000	0.000	202.8		
F-35B Sustainment/													
Capability Enhancements													
 USAF SDD BP 653832: 	78.901	46.962	37.202	-	37.202	0.000	0.000	0.000	0.000	0.000	238.5		
Deployability and													
Suitability Enhancements													
• PAF/0207142F BP10: <i>F-35A</i>	460.260	404.500	780.300	-	780.300	405.200	1,003.600	965.300	414.700	13,451.541	20,181.8		
CTOL Advance Procurement													
• DCA/0207142F 676011:	4.967	25.743	35.122	-	35.122	47.016	49.026	67.040	62.599	Continuing	Continui		
Dual Capable Aircraft (DCA)										·			
• APN/0147: <i>F-35C</i>	1,062.542	939.280	663.232	-	663.232	1,302.363	2,016.259	2,835.305	2,992.701	30,639.555	55,785.2		
Joint Strike Fighter CV													

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

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EXHIBIT R-2A, RD1&E Project Justi	rication: FY	2018 Navy						Date: May 2017					
Appropriation/Budget Activity 1319 / 5						ment (Numl T Strike Figh		3352 <i>I F</i>	Project (Number/Name) 3352 / F-35C Sustainment/Capability Enhancements				
C. Other Program Funding Summa	ary (\$ in Mil	lions)											
			FY 2018	FY 2018	FY 2018					Cost To			
<u>Line Item</u>	FY 2016	FY 2017	Base	OCO	<u>Total</u>	FY 2019	FY 2020	FY 2021	FY 2022	Complete	Total Cost		
 APN/0152C: F-35B Joint 	203.060	233.648	413.450	-	413.450	228.492	231.802	220.822	225.245	1,959.119	4,802.154		
Strike Fighter STOVL AP													
• APN/0152: <i>F-35B Joint</i>	2,291.599	2,243.741	2,631.787	-	2,631.787	2,660.443	2,723.935	2,816.841	2,821.572	22,732.766	47,011.821		
Strike Fighter STOVL													
• DoN MILCON: DoN JSF MILCON	94.420	230.900	64.660	-	64.660	121.990	119.800	0.000	0.000		1,406.074		
 International 2: International 	189.922	185.641	124.114	-	124.114	151.776	150.588	149.848	87.119	Continuing	Continuing		
Procduction/Reprogramming Lab													
OPN/4268: Logistics	48.773	39.099	34.032	29.245	63.277	32.742	46.073	47.389	62.299	Continuing	Continuing		
Information System (ALIS)													
• MC/0207597F: <i>USAF</i>	65.400	20.000	21.000	-	21.000	34.000	15.900	0.000	0.000	0.000	156.300		
MILCON Training													
International 3:	83.595	84.602	158.273	-	158.273	159.649	162.023	167.383	160.111	Continuing	Continuing		
International FoM/D&S													
OPN 902010 S8JC: Aviation	2.946	0.881	2.297	-	2.297	2.321	0.139	1.977	0.000	Continuing	Continuing		
Support Equipment (ALIS)													
• USAF O&M: <i>USAF O&M</i>	312.557	425.978	452.906	-	452.906	555.687	873.270	998.979		Continuing	Continuing		
• USAF MILCON 0502635F:	0.000	15.100	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	15.100		
USAF MILCON Air National Guard													
• USN 2936: <i>F-35C Follow-</i>	20.544	63.387	139.942	-	139.942	224.712	228.707	188.678	120.192	Continuing	Continuing		
on Development (CV)													
 International Unique: 	38.483	32.374	15.566	-	15.566	0.000	0.000	0.000	0.000	0.000	482.417		
Imtl Unique (SDD/PSFD)													

Remarks

D. Acquisition Strategy

Implement Joint Strike Fighter Joint Executive Steering Board/Configuration Steering Board approved enhancements through existing contracts using the engineering change proposal process. When appropriate, new cost type contracts may be established.

E. Performance Metrics

The following are the key performance parameters from the F-35 Selected Acquisition Report:

Performance Metrics reflect Key Program Performance data.

Fyhihit R-24 RDT&F Project Justification: FY 2018 Navy

PE 0604800N: *JT Strike Fighter (JSF) - EMD* Navy UNCLASSIFIED
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R-1 Line #147

Date: May 2017

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy	Date: May 2017		
, · · · · · · · · · · · · · · · · · · ·	1	- , (umber/Name) 5C Sustainment/Capability ents

Combat Radius

F-35A Meets/Exceeds Tripwire Requirement

F-35B Meets/Exceeds Tripwire Requirement

F-35C Meets/Exceeds Tripwire Requirement

F-35B Performance

Flat Deck (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

F-35C Recovery

Maximum Approach Speed Meets Requirement In Tripwire Band

Interoperability

Net Ready Criteria- Meets Requirement In Tripwire Band

Radio Frequency Signature Meets/Exceeds Tripwire Requirement

Force Protection

CB Pilot Protection (New Key Performance Parameters Per CN3) - Meets/Exceeds Tripwire Requirement

Mission Reliability

F-35A Meets/Exceeds Tripwire Requirement

F-35B United States Marine Corps (USMC) Meets/Exceeds Tripwire Requirement

F-35B United Kingdom (UK) Meets/Exceeds Tripwire Requirement

F-35C Exceeds Operational Requiremets Document Objective

Sortie Generation Rate

F-35A Meets/Exceeds Tripwire Requirement

F-35B USMC Meets/Exceeds Tripwire Requirement

F-35B UK Meets/Exceeds Tripwire Requirement

F-35C Meets/Exceeds Tripwire Requirement

Logistics Footprints

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

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy	Date: May 2017		
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604800N / JT Strike Fighter (JSF) - EMD	- ,	umber/Name) 5C Sustainment/Capability ents
			

F-35A Meets/Exceeds Tripwire Requirement

F-35B USMC Meets/Exceeds Tripwire Requirement

Logistics Footprint- Volume

F-35B USMC Exceeds ORD Objective

F-35B UK Meets/Exceeds Tripwire Requirement

F-35C Exceeds Operational Requirements Document (ORD) Objective

Logistics Footprint-Weight

F-35B USMC Exceeds ORD Objective

F-35B UK Meets/Exceeds Tripwire Requirement

F-35C Exceeds ORD Objective

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

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy

R-1 Program Element (Number/Name)

Project (Number/Name)

1319 / 5

Appropriation/Budget Activity

PE 0604800N I JT Strike Fighter (JSF) -

3352 I F-35C Sustainment/Capability

Date: May 2017

Enhancements

EMD	
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Product Developmen	oduct Development (\$ in Millions)		FY 2	2016	FY 2	2017		2018 Ise	FY 2		FY 2018 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract
Primary Hardware Development - 3002 SDD	C/CPFF	Lockheed Martin : Fort Worth, TX	0.000	41.330	Mar 2016	35.844	Mar 2017	23.655	Mar 2018	-		23.655	4.995	105.824	105.824
Primary Hardware Development - 3002 ALIS	C/CPFF	Lockheed Martin : Fort Worth, TX	87.723	48.107	Mar 2016	39.701	Mar 2017	33.740	Mar 2018	-		33.740	0.000	209.271	209.271
Primary Hardware Development -14-C-002 Band 2/5	C/CPFF	Lockheed Martin : Fort Worth, TX	15.590	76.740	Mar 2016	28.220	Mar 2017	2.375	Mar 2018	-		2.375	0.000	122.925	122.925
		Subtotal	103.313	166.177		103.765		59.770		-		59.770	4.995	438.020	438.020

Remarks

Cumulative Award Fee earned for Lockheed Martin 0%.

Support (\$ in Millions)			FY 2	2016	FY:	2017		2018 ise		2018 CO	FY 2018 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support	Various	AFLCMC : Eglin AFB	19.720	13.781	Mar 2016	0.000		0.000		-		0.000	0.000	33.501	-
Development Support	Various	Various : Various	11.668	0.700	Mar 2016	2.410	Mar 2017	1.000	Mar 2018	-		1.000	0.000	15.778	-
		Subtotal	31.388	14.481		2.410		1.000		-		1.000	0.000	49.279	-

Test and Evaluation	st Category Item & Type Activity & Location Year pmental Test & WR Various : Various 0			FY 2016		FY 2	2017		2018 ise		2018 CO	FY 2018 Total			
Cost Category Item	Method		Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WR	Various : Various	0.606	1.404	Mar 2016	0.976	Mar 2017	0.500	Mar 2018	-		0.500	0.000	3.486	-
		Subtotal	0.606	1.404		0.976		0.500		-		0.500	0.000	3.486	-

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

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy

R-1 Program Element (Number/Name)

0.000

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

Project (Number/Name)

0.000

3352 I F-35C Sustainment/Capability

0.000

4.926

Date: May 2017

Enhancements

Management Service	es (\$ in M	lillions)		FY:	2016	FY	2017		2018 ise		2018 CO	FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract
Program Support	Various	Various : Various	1.000	2.316	Mar 2016	1.610	Mar 2017	0.000		_		0.000	0.000	4.926	_

1.610

	Prior Years	FY 2	016 FY 2		Y 2018 Base	FY 2	 Y 2018 Total	Cost To	Total Cost	Target Value of Contract
Cost Category Subtotals	136.307	184.378	108.761	61.2	70	-	61.270	4.995	495.711	-
Joint Strike Fighter 0604800F	-	78.901	46.962	37.2	02	-	37.202			-
Joint Strike Fighter 0604800M 3350	-	30.819	24.348	11.4	00	-	11.400			-
International Partner	-	38.992	13.031	6.8	81	-	6.881			-
Project Cost Totals	136.307	35.666	24.420	5.7	87	-	5.787	4.995	495.711	-

Remarks

Navy

1319 / 5

NOTE: Prior Years reflect \$75.534M USAF/\$32.852M USN/\$27.921M USMC/\$0.000M International/Total \$136.307M FY 2016 reflects \$78.901M USAF/\$35.666M USN/\$30.819M USMC/\$38.992M International/Total \$184.378M FY 2017 reflects \$46.962M USAF/\$24.420M USN/\$24.348M USMC/\$13.031M International/Total \$108.761M FY 2018 reflects \$37.202M USAF/\$ 5.787M USN/\$11.400M USMC/\$ 6.881M International/Total \$ 61.270M

Subtotal

1.000

2.316

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

Appropriation/Budget Activity

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

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

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Exhibit R-4, RDT&E Schedule Pro	ofile:	FY 2	2018	Nav	y																			Date	: Ma	y 20	17		
Appropriation/Budget Activity 1319 / 5	ctivity					PE	PE 0604800N / JT Strike Fighter (JSF) -										Project (Number/Name) 3352 I F-35C Sustainment/Capability Enhancements						ity						
Proj 3352	FY 2016 FY 2017 FY							20	2018 FY 2					019 FY 2020					FY 2021				FY 2022						
	1Q	2Q	3Q	4Q	1Q	2Q 30	<u>a</u>	4Q 1Q	20	3	Q 4Q	1	Q 2	Q 30	Q 40	2 1	10	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	
D&S						SOUv	2																						
						Band	d 2	/5			$\overline{\Box}$	1																	
		_	_	Sed	curity	Archite	ect	ure			4					İ	İ												
	_	омѕ									_	-																	
	DMT/DMO							_	4																				
2018OSD - 0604800N - 3352																													

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

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Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy			Date: May 2017
Appropriation/Budget Activity 1319 / 5	,	- , (umber/Name) 5C Sustainment/Capability
	EMD	Enhancem	ents

Schedule Details

	St	art	End			
Events by Sub Project	Quarter	Year	Quarter	Year		
Proj 3352						
D&S: Standard Operating Unit (SOUv2)	1	2016	4	2018		
D&S: Band 2/5	3	2016	3	2018		
D&S: Security Architecture	1	2016	3	2018		
D&S: Offboard Misson Support (OMS) Redesign	1	2016	4	2018		
D&S: Distributed Mission Training/Distributed Mission Operations (DMT/DMO)	1	2016	2	2019		