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 0604800M I (U)Joint Strike Fighter (JSF) - EMD

Development & Demonstration (SDD)

COST (\$ in Millions)	Prior			FY 2018	FY 2018	FY 2018					Cost To	Total	
COST (\$ III WIIIIOIIS)	Years	FY 2016	FY 2017	Base	oco	Total	FY 2019	FY 2020	FY 2021	FY 2022	Complete	Cost	
Total Program Element	47,639.443	526.247	531.426	152.934	-	152.934	55.952	1.727	0.547	0.564	0.000	48,908.840	
2262: Joint Strike Fighter EMD STOVL	47,503.136	495.428	507.078	141.534	-	141.534	55.952	1.727	0.547	0.564	0.000	48,705.966	
3350: F-35B Sustainment/ Capability Enhancements	136.307	30.819	24.348	11.400	-	11.400	0.000	0.000	0.000	0.000	0.000	202.874	

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

Navy

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 0604800M: (U)Joint Strike Fighter (JSF) - EMD

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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 0604800M I (U)Joint Strike Fighter (JSF) - EMD

Development & Demonstration (SDD)

B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	537.901	531.426	99.841	-	99.841
Current President's Budget	526.247	531.426	152.934	-	152.934
Total Adjustments	-11.654	0.000	53.093	-	53.093
Congressional General Reductions	-	-			
Congressional Directed Reductions	-	-			
Congressional Rescissions	-	-			
Congressional Adds	-	-			
Congressional Directed Transfers	-	-			
Reprogrammings	-	-			
SBIR/STTR Transfer	-11.655	0.000			
Program Adjustments	0.000	0.000	53.093	-	53.093
Rate/Misc Adjustments	0.001	0.000	0.000	-	0.000

Change Summary Explanation

FY2018 Increase: \$53.09M to 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.

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy											Date: May 2017		
							Project (N 2262 / Join		ne) hter EMD S	TOVL			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 FY 2018 OCO Total FY 2019 FY 2020 FY 20					FY 2022	Cost To Complete	Total Cost	
2262: Joint Strike Fighter EMD STOVL	47,503.136	495.428	507.078	141.534	-	141.534	55.952	1.727	0.547	0.564	0.000	48,705.966	
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.

F-35 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

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, other International Partner nations, and Foreign Military Sales customers are also participants in the Joint Strike Fighter program. The program shown here reflects United States Navy (USN), United States Marine Corps, United States Air Force (USAF), and International Partner funding.

The top-line Program Element reflects the unique variant for each Service. Funding at the accomplishment/planned program level is reported as the total of all services and partners as these activities support all aircraft variants.

PE 0604800M: (U)Joint Strike Fighter (JSF) - EMD

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy			Date: May 2017
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (N	umber/Name)
1319 / 5	PE 0604800M I (U)Joint Strike Fighter (JSF)	2262 I Join	t Strike Fighter EMD STOVL
	- 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, 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

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	123.198	120.000	0.000	0.000	0.000

PE 0604800M: (U)Joint Strike Fighter (JSF) - EMD

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Navy

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy				Date: May	2017			
Appropriation/Budget Activity	R-1 Program Element (Number/Name) PE 0604800M I (U)Joint Strike Fighter (JSF) - EMD			Project (Number/Name)				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in	Each)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total		
Description: SDD execution of the F135 Propulsion System (Pratt & Whitney) ir Commonality Effort; includes testing, autonomic logistics, integration & performing FY 2016 Accomplishments:	g technology maturation efforts.	-	-	-	-	-		
Continue SDD execution of the F135 Propulsion System with Pratt & Whitney the autonomic logistics, integration and performing technology maturation efforts. FY 2017 Plans: Continue SDD execution of the F135 Propulsion System with Pratt & Whitney the								
autonomic logistics, integration and performing technology maturation efforts. 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	0.91		
Description: SDD SE including systems operations requirements analysis, progintegration, and interoperability support.	ram integration, requirements							
FY 2016 Accomplishments: Continue SDD SE, including systems operations requirements analysis, program integration, and interoperability support.	n integration, requirements							
FY 2017 Plans: Continue SDD SE, including systems operations requirements analysis, program integration, and interoperability support.	n integration, requirements							
FY 2018 Base Plans: Continue SDD SE, including systems operations requirements analysis, program integration, and interoperability support.	n integration, requirements							
FY 2018 OCO Plans:								

PE 0604800M: (U)Joint Strike Fighter (JSF) - EMD Navy

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy				Date: May	2017		
				ject (Number/Name) 2 I Joint Strike Fighter EMD STOVL			
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		20.0		2400			
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 te DT&E include preparation for flight testing and weapons integration testing.	st aircraft. Elements of						
FY 2016 Accomplishments: Continue government DT&E/OT in support of test aircraft. Continue flight sciences tes and CV variants to expand air vehicle envelope and support mission systems testing. flight testing, weapons integration testing, and component capabilities testing.							
FY 2017 Plans: Continue government DT&E/OT in support of test aircraft. Continue flight sciences test and CV variants to expand air vehicle envelope and support mission systems testing. If flight 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 tes and CV variants to expand air vehicle envelope and support mission systems testing. flight 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, wission support, and autonomic logistics development activities.	veapons integration,						
FY 2016 Accomplishments: Continue SDD support efforts for airframe, air vehicle systems, mission systems, weap support, and autonomic logistics development activities.	ons integration, mission						
FY 2017 Plans:							

PE 0604800M: (U)Joint Strike Fighter (JSF) - EMD Navy

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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 0604800M / (U)Joint Strike Fig - EMD			Project (Number/Name) 2262 I Joint Strike Fighter EMD STOVL				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities	s 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 syste support, and autonomic logistics development activities.	ems, weapons integration, mission							
FY 2018 Base Plans: Continue SDD support efforts for airframe, air vehicle systems, mission systesupport, and autonomic logistics development activities.	ems, weapons integration, mission							
FY 2018 OCO Plans: N/A								
Title: Autonomic Logistics Information System (ALIS)	Articles:	0.600	0.221	40.694 -	0.000	40.69 ⁴		
Description: SDD execution of Autonomic Logistics Information System (AL infrastructure used to transmit health and maintenance action information for users.								
FY 2016 Accomplishments: Continue SDD execution of ALIS to develop the information infrastructure us maintenance action information for the aircraft to the appropriate users.	ed to transmit health and							
FY 2017 Plans: Continue SDD execution of ALIS to develop the information infrastructure us maintenance action information for the aircraft to the appropriate users.	ed to transmit health and							
FY 2018 Base Plans: Continue SDD execution of ALIS to develop the information infrastructure us maintenance action information for the aircraft to the appropriate users.	ed to transmit health and							
FY 2018 OCO Plans: N/A								
Accomplishm	ents/Planned Programs Subtotals	1,462.496	1,436.879	527.873	0.000	527.873		
	Joint Strike Fighter 0604800F			255.745	-	255.745		
	Joint Strike Fighter 0604800N International Partner	ļ		103.144 27.450	-	103.14 ² 27.450		

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PE 0604800M: (U)Joint Strike Fighter (JSF) - EMD Navy Page 7 of 30 R-1 Line #146

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Exhibit R-2A, RDT&E Project Just	ification: FY	2018 Navy							Date: Mag	y 2017	
Appropriation/Budget Activity 319 / 5					604800M <i>I (</i> U	ment (Numb J)Joint Strike	,		Number/Na int Strike Fig	me) ghter EMD S	STOVL
3. Accomplishments/Planned Pro	grams (\$ in	Millions, Ar	ticle Quantit	ies in Each	<u>ı)</u>		FY 2016	6 FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
					N	lavy Subtota	als 495.42	8 507.078	3 141.534	1 0.000	141.53
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	000	<u>Total</u>	FY 2019	FY 2020	FY 2021	FY 2022	Complete	Total Co
RDT&E/0604800F:	497.031	403.505	255.745	-	255.745	69.655	7.796	5.598	0.000	0.000	22,265.2
F-35A Joint Strike Fighter											
International:	17.000	22.000	27.450	-	27.450	0.000	0.000	0.000	0.000	0.000	5,013.4
International Partner (SDD)											
• 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	198,657.
F-35A USAF CTOL	ŕ	•	•		•	•	,	,	•	·	ŕ
• RDT&E/0604800N/2261: <i>F-35C</i>	453.037	504.296	103.144	_	103.144	61.179	1.637	0.454	0.467	0.000	48,627.3
Joint Strike Fighter (JSF) - EMD											,
• APN/0605B: <i>F-35B Joint</i>	111.569	123.252	105.671	_	105.671	92.198	160.150	140.989	143.809	Continuing	Continui
Strike Fighter STOVL Spares										J	
• APN/0605C: <i>F-35C Joint</i>	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										J	
• FOD/0207142F: <i>USAF</i>	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: USAF OPAF										· ·	
• APN/0592: <i>F-35B STOVL Series</i>	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		Continuing	
• RDT&E/0604800N/3352:	35.666	24.420	5.787	-	5.787	4.995	0.000	0.000	0.000	0.000	207.1
F-35C Sustainment/						-					
Capability Enhancements											

PE 0604800M: (U)Joint Strike Fighter (JSF) - EMD Navy

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Exhibit R-2A, RDT&E Project Just	ification: FY	2018 Navy							Date: Ma	y 2017	
Appropriation/Budget Activity 1319 / 5					604800M <i>I (U</i>	ment (Numb J)Joint Strike	Project (Number/Name) 2262 I Joint Strike Fighter EMD STOVL				
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	<u>Base</u>	<u>000</u>	<u>Total</u>	FY 2019	FY 2020	FY 2021		Complete	
• USAF SDD BP 653832:	78.901	46.962	37.202	-	37.202	0.000	0.000	0.000	0.000	0.000	238.59
JSF 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		05.740	05.400		05.400	47.040	40.000	07.040	00 500		
• DCA/0207142F 676011:	4.967	25.743	35.122	-	35.122	47.016	49.026	67.040	62.599	Continuing	Continuin
Dual Capable Aircraft (DCA)	4 000 540	000 000	000 000		202 202	4 000 000	0.040.050	0.005.005	0.000.704	00 000 555	FF 70F 07
• 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	000.000	000.040	440 450		440.450	000 400	004 000	000 000	005.045	4.050.440	4 000 45
• 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	4,802.154
Strike Fighter STOVL AP	2 204 500	0.040.744	0.604.707		0.604.707	0.660.440	0.700.005	0.046.044	0.004.570	22 722 766	47 044 00
APN/0152: F-35B Joint Strike Fighter STOVI	2,291.599	2,243.741	2,031.787	-	2,631.787	2,000.443	2,723.935	2,816.841	2,821.572	22,732.766	47,011.82
Strike Fighter STOVL • DoN MILCON: DoN JSF MILCON	94.420	230.900	64.660	_	64.660	121.990	119.800	0.000	0.000	642 400	1,406.074
• International 2: Intl Production/	189.922	185.641	124.114	- -	124.114	151.776	150.588	149.848		Continuing	
Reprogramming Lab	109.922	105.041	124.114	-	124.114	131.770	130.366	149.040	07.119	Continuing	Continuin
• OPN/4268: Logistics	48.773	39.099	34.032	29.245	63.277	32.742	46.073	47.389	62 200	Continuing	Continuin
Information System (ALIS)	40.773	39.099	34.032	23.243	03.211	32.142	40.073	47.503	02.299	Continuing	Continuin
• MC/0207597F: USAF	65.400	20.000	21.000	_	21.000	34.000	15.900	0.000	0.000	0.000	156.300
MILCON Training	00.400	20.000	21.000		21.000	04.000	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	Continuin
International R&D FoM/D&S	00.000	01.002	100.210		.00.2.0	.00.0.0	102.020	101.000	100	continuing	o o man ng
OPN 902010 S8JC: Aviation	2.946	0.881	2.297	=	2.297	2.321	0.139	1.977	0.000	Continuing	Continuin
Support Equipment (ALIS)		0.00					000		0.000		
• USAF O&M: <i>USAF O&M</i>	312.557	425.978	452.906	_	452.906	555.687	873.270	998.979	958.708	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											
• USN 2936: F-35C Follow-	20.544	63.387	139.942	-	139.942	224.712	228.707	188.678	120.192	Continuing	Continuing
on Development (CV)										J	`
 International Uniqué: 	38.483	32.374	15.566	-	15.566	0.000	0.000	0.000	0.000	0.000	482.41°
Intl Unique (SDD/PSFD)											

PE 0604800M: *(U)Joint Strike Fighter (JSF) - EMD* Navy

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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 0604800M I (U)Joint Strike Fighter (JSF) - EMD	Project (Number/Name) 2262 I Joint Strike Fighter EMD STOVL
0. Other Bos was Familia (0.000 and (0.100 AP))		

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

<u>FY 2018</u> <u>FY 2018</u> <u>FY 2018</u> <u>FY 2018</u> <u>Cost To</u>

<u>Line Item</u> <u>FY 2016</u> <u>FY 2017</u> <u>Base</u> <u>OCO</u> <u>Total</u> <u>FY 2019</u> <u>FY 2020</u> <u>FY 2021</u> <u>FY 2022</u> <u>Complete</u> <u>Total Cost</u>

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

F-35A Meets/Exceeds Tripwire Requirement

F-35B Meets/Exceeds Tripwire Requirement

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy			Date: May 2017
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (N	umber/Name)
1319 / 5	PE 0604800M I (U)Joint Strike Fighter (JSF)	2262 I Joir	nt Strike Fighter EMD STOVL
	- EMD		
F-35C Meets/Exceeds Trinwire Requirement			

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

Navy

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

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Date: May 2017 Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy

Appropriation/Budget Activity

1319 / 5

R-1 Program Element (Number/Name) PE 0604800M I (U)Joint Strike Fighter (JSF) 2262 I Joint Strike Fighter EMD STOVL - EMD

Project (Number/Name)

Product Developmen	it (\$ in Mi	illions)		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
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	632,439.776
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	646,453.576

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 0604800M: (U)Joint Strike Fighter (JSF) - EMD Navy

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy **Date:** May 2017

Appropriation/Budget Activity

1319 / 5

R-1 Program Element (Number/Name) PE 0604800M I (U)Joint Strike Fighter (JSF) 2262 I Joint Strike Fighter EMD STOVL

Project (Number/Name)

- EMD

Support (\$ in Million	ıs)			FY	2016	FY 2	2017		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
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, 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	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
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 0604800M: (U) Joint Strike Fighter (JSF) - EMD Navy

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy **Date:** May 2017

Appropriation/Budget Activity

1319 / 5

R-1 Program Element (Number/Name) PE 0604800M I (U)Joint Strike Fighter (JSF) 2262 I Joint Strike Fighter EMD STOVL - EMD

Project (Number/Name)

Test and Evaluation	(\$ in Milli	ons)		FY 2	2016	FY 2	2017	FY 2 Ba	2018 ise		2018 CO	FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location AFB, NM/Eglin AFB,	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
		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	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 Complete	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 0604800M: (U)Joint 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)

Appropriation/Budget Activity 1319 / 5

PE 0604800M I (U)Joint Strike Fighter (JSF) 2262 I Joint Strike Fighter EMD STOVL

Date: May 2017

- EMD

Management Service	es (\$ in M	illions)		FY 2	2016	FY	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	Award Cost Date		Cost	Cost To Complete	Total Cost	Target Value of Contract
		Subtotal	776.052	71.682		65.777		0.088		-		0.088	0.000	913.599	-

Remarks

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

	Prior Years	FY 20	016 FY 2	-		Y 2018 OCO	FY 2018 Total	Cost To Complete		Target Value of Contract
Cost Category Subtotals	47,503.136	1,462.496	1,436.879	527.873	3	-	527.873	205.576	51,135.960	-
Joint Strike Fighter 0604800F	-	497.031	403.505	255.745	5	-	255.745			-
Joint Strike Fighter 0604800N	-	453.037	504.296	103.144	4	-	103.144			-
International Partner	-	17.000	22.000	27.450	0	-	27.450			-
Project Cost Totals	47,503.136	495.428	507.078	141.534	4	-	141.534	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:

USAF PE 0604800F BPAC 653832 USN PE 0604800N Project Unit 3352

USMC PE 0604800M Project Unit 3350

PE 0604800M: (U)Joint Strike Fighter (JSF) - EMD Navy

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xhibit R-4, RDT&E Schedule Prof	ile:	FY	201	8 Navy																				Date:	May	/ 201	17	
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JSF Variants - CV, STOVL & CTOL	ı	FΥ	/ 20 ⁻	16	ı	FY	2017	,	ı	FY	201	8	I	FY 2	2019	,	ı	FY:	2020	,	ı	FY	202	:1	ı	FY:	2022	: 1
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Acquisition Milestones	l	l	ł	 F-35A	l	l			ł			F-35C			H		l		H		ł	l	l	ł	ł	l	1	
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PE 0604800M: (U)Joint Strike Fighter (JSF) - EMD Navy

Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy			Date: May 2017
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604800M I (U)Joint Strike Fighter (JSF) - EMD	- , (umber/Name) nt Strike Fighter EMD STOVL

Schedule Details

	Sta	art	Er	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 0604800M: (U)Joint 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	R-1 Program Element (Number/Name) PE 0604800M I (U)Joint Strike Fighter (JSF) - EMD	 umber/Name) nt Strike Fighter EMD STOVL

	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

Exhibit R-2A, RDT&E Project Ju	stification:	FY 2018 N	lavy							Date: May	2017	
1319 / 5 PE 0604800M / (U) Joint Strike Fighter (JSF) 3350 / F-3								Project (N 3350 / F-33 Enhancem	5B Sustainr	ne) nent/Capabil	lity	
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
3350: F-35B Sustainment/ Capability Enhancements	136.307	30.819	24.348	11.400	-	11.400	0.000	0.000	0.000	0.000	0.000	202.874
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Project MDAP/MAIS Code: 198

Note

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 0604800M: (U)Joint Strike Fighter (JSF) - EMD

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R-1 Line #146

Navy

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/I PE 0604800M / (U)Joint Strike Fig - EMD		ne) ment/Capab	nt/Capability		
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 engineerinecessary to gain capacity, compatibility, and expansion in wiring, power electronic warfare. This includes funding for suitability enhancements suand Band 2/5 efforts.	ng, development and test activities r, wing conduits, etc. in support of					
FY 2017 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 suand Band 2/5 efforts.	ng, development and test activities r, 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 suand Band 2/5 efforts.	ng, development and test activities r, wing conduits, etc. in support of					
FY 2018 OCO Plans: N/A						
Title: Development Support	Articles:	16.592 -	3.556	1.000	0.000	1.000
Description: SDD support efforts for airframe, air vehicle systems, miss mission support, and autonomic logistics development activities.	sion systems, weapons integration,					
FY 2016 Accomplishments:						

PE 0604800M: (U)Joint Strike Fighter (JSF) - EMD Navy

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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 0604800M / (U)Joint Strike Fig - EMD		3350 <i>I F-3</i> 8	Project (Number/Name) 3350 <i>I F-35B Sustainment/Capability Enhancements</i>				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities	in Each)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total		
Continue to initiate development enhancement support for Deployable Autono 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	nents.							
FY 2016 Accomplishments: Continue to initiate government test and evaluation of capability enhancement Logistics Information system, and LO maintenance enhancements.	s for Deployable Autonomic							
FY 2017 Plans: Continue to initiate government test and evaluation of capability enhancement Logistics Information system, and LO maintenance enhancements.	s for Deployable Autonomic							
FY 2018 Base Plans: Continue to initiate government test and evaluation of capability enhancement Logistics Information system, and LO maintenance enhancements.	s for Deployable Autonomic							
FY 2018 OCO Plans: N/A								
Title: Autonomic Logistics Information System		48.107	39.701	33.740	0.000	33.740		

PE 0604800M: *(U)Joint Strike Fighter (JSF) - EMD* Navy

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	stification: FV	2018 Navy							Date: May	2017		
Exhibit R-2A, RDT&E Project Just Appropriation/Budget Activity 1319 / 5	stilication. FT	2010 Navy			04800M / (L	ment (Number) Joint Strike		ame) Project (Number/Name)				
B. Accomplishments/Planned Pr	ograms (\$ in N	Millions, Art	icle Quantit	ies in Each)		FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	
						Article	·s: -	-	-	-	-	
Description: SDD execution of Au infrastructure used to transmit hear users.												
FY 2016 Accomplishments: SDD execution of Autonomic Logis transmit health and maintenance a						ructure used	to					
FY 2017 Plans: SDD execution of Autonomic Logis	etice Information	a System (Al	I IS) develon	s the inform	ation infract	ructure used	to					
transmit health and maintenance a						ucture useu						
	ection information	on for the air	craft to the a	ppropriate ups the inform	sers. ation infrasti							
transmit health and maintenance a FY 2018 Base Plans: SDD execution of Autonomic Logis	ection information	on for the air	craft to the a	ppropriate ups the inform	sers. ation infrasti							
transmit health and maintenance a FY 2018 Base Plans: SDD execution of Autonomic Logis transmit health and maintenance a FY 2018 OCO Plans:	ection information	on for the air n System (Al on for the air	craft to the a	ppropriate ups the inform	sers. ation infrasti sers.		to	3 108.761	61.270	0.000	61.27	
transmit health and maintenance a FY 2018 Base Plans: SDD execution of Autonomic Logis transmit health and maintenance a FY 2018 OCO Plans:	ection information	on for the air n System (Al on for the air	craft to the a	ppropriate unstance the information of the informat	ation infrasti sers.	ructure used	to 184.37					
transmit health and maintenance at FY 2018 Base Plans: SDD execution of Autonomic Logis transmit health and maintenance at FY 2018 OCO Plans:	ection information	on for the air n System (Al on for the air	craft to the a	ppropriate unstance the information of the informat	ation infrastr sers. ned Progra	ructure used	to 184.370 0F 78.90	1 46.962	37.202		61.270 37.202 6.88	
transmit health and maintenance at FY 2018 Base Plans: SDD execution of Autonomic Logis transmit health and maintenance at FY 2018 OCO Plans:	ection information	on for the air n System (Al on for the air	craft to the a	s the inform ppropriate un ppropriate un ppropriate un ppropriate un ppropriate un ppropriate un ppropriate un ppropriate un ppropriate un ppropriate un ppropriate un ppropriate un ppr	ation infrastrates. ned Progra nt Strike Fig	ructure used ams Subtota hter 0604800	to 184.378 0F 78.90 er 38.993	1 46.962 2 13.031	37.202 6.881		37.202	
transmit health and maintenance at FY 2018 Base Plans: SDD execution of Autonomic Logis transmit health and maintenance at FY 2018 OCO Plans:	ection information	on for the air n System (Al on for the air	craft to the a	s the inform ppropriate un ppropriate un ppropriate un ppropriate un ppropriate un ppropriate un ppropriate un ppropriate un ppropriate un ppropriate un ppropriate un ppropriate un ppr	ation infrastr sers. ned Progra int Strike Fig Internike Fighter 0	ructure used ams Subtota hter 0604800 ational Partn	to 184.376 0F 78.90 er 38.995 52 35.666	1 46.962 2 13.031 6 24.420	37.202 6.881 5.787	-	37.202 6.88	
transmit health and maintenance at FY 2018 Base Plans: SDD execution of Autonomic Logis transmit health and maintenance at FY 2018 OCO Plans:	etion information	on for the air	craft to the a	s the inform appropriate un appropriate un appropri	ation infrastrates. ned Progra nt Strike Fig Internates	ructure used ams Subtota hter 0604800 ational Partn 604800N 33	to 184.376 0F 78.90 er 38.995 52 35.666	1 46.962 2 13.031 6 24.420	37.202 6.881 5.787	- - - 0.000	37.202 6.88 5.78	
transmit health and maintenance a FY 2018 Base Plans: SDD execution of Autonomic Logis transmit health and maintenance a FY 2018 OCO Plans: N/A C. Other Program Funding Summ	action information stics Information action information information action information inf	on for the air	LIS) develop craft to the a	s the inform appropriate under the inform appropriate under the inform appropriate under the information and information information	ation infrastrates. ned Progra nt Strike Fig Internates N	ams Subtota hter 0604800 ational Partn 604800N 33	to 184.378 0F 78.90 er 38.998 52 35.666 18 30.818	1 46.962 2 13.031 6 24.420 9 24.348	37.202 6.881 5.787 11.400	- - - 0.000	37.20 6.88 5.78 11.40	
transmit health and maintenance a FY 2018 Base Plans: SDD execution of Autonomic Logis transmit health and maintenance a FY 2018 OCO Plans: N/A	etion information	on for the air	craft to the a	s the inform appropriate un appropriate un appropri	ation infrastrates. ned Progra nt Strike Fig Internates	ructure used ams Subtota hter 0604800 ational Partn 604800N 33	to 184.376 0F 78.90 er 38.995 52 35.666	1 46.962 2 13.031 6 24.420	37.202 6.881 5.787 11.400	- - 0.000 Cost To Complete	37.20 6.88 5.78 11.40	

PE 0604800M: *(U)Joint Strike Fighter (JSF) - EMD* Navy

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Exhibit R-2A, RDT&E Project Just	ification: ⊢Y	2018 Navy							Date: Ma				
Appropriation/Budget Activity 1319 / 5					304800M <i>I (l</i>	ment (Numl J)Joint Strike	oer/Name) e Fighter (JSF)		` -35B Sustain	nber/Name) Sustainment/Capability ts			
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	Base	OCO	<u>Total</u>	FY 2019	FY 2020	FY 2021		Complete	Total Co		
 APAF/0207142F BP10: F-35A USAF CTOL 	5,259.812	4,997.394	4,544.684	-	4,544.684	4,253.696	4,209.813	1,862.684	4,796.042	144,128.756	3198,657.1		
• RDT&E/0604800N/2261: <i>F-35C</i>	453.037	504.296	103.144	-	103.144	61.179	1.637	0.454	0.467	0.000	48,627.3		
Joint Strike Fighter (JSF) - EMD													
APN/0605B: F-35B Joint Strike Fighter STOVL Spares	111.569	123.252	105.671	-	105.671	92.198	160.150	140.989	143.809	Continuing	Continui		
• APN/0605C: <i>F-35C Joint</i>	59.914	26.076	84.591	_	84.591	44.971	52.858	303.608	309.680	Continuing	Continui		
Strike Fighter CV Spares	33.3	_0.0.0	000 .		000		02.000		000.000	9	0 0111111011		
• 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	.02.000	00000	00.000		55.555		0.000	0.000	0.000	.,	_,		
• APAF/0207142F BP11:	70.167	175.811	68.270	_	68.270	230.448	279.814	259.978	301 899	Continuing	Continui		
USAF Modification Funding			00.2.0		00.2.0	200.110	2.0.0	200.010	001.000	oong	0011111111		
• FOD/0207142F: <i>USAF</i>	47.023	127.302	299.408	_	299.408	463.321	474.971	396.488	263 548	Continuing	Continui		
Follow-on Development (FoD)	11.020	.2002	200.100		200.100	100.021		000.100	200.010	oong	0011111101		
• 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	220.002	002.702	020.001		020.001	010.101	110.722	000.001	001.001	0,000.112	7,007.0		
• 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>	0.000	2.000	0.020		0.020	0.010	2.000	2.100	2.007	Continuing	Continu		
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: <i>F-35C CV Series</i>	48.527	26.004	31.689	_	31.689	22.344	14.155	13.404		Continuing			
• RDT&E/0604800N/3352:	35.666	24.420	5.787	_	5.787	4.995	0.000	0.000	0.000	0.000			
F-35C Sustainment/	00.000	24.420	0.707		0.101	4.000	0.000	0.000	0.000	0.000	207.1		
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	70.901	40.302	37.202		37.202	0.000	0.000	0.000	0.000	0.000	200.0		
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	20 121 2		
JSF CTOL Advance Procurement	400.200	404.500	700.300	_	700.500	403.200	1,003.000	303.300	414.700	15,451.541	20,101.0		
• DCA/0207142F 676011:	4.967	25.743	35.122	_	35.122	47.016	49.026	67.040	62 500	Continuing	Continui		
Dual Capable Aircraft (DCA)	4.907	23.143	JJ. 122	-	JJ. 122	47.010	43.020	01.040	02.588	Continuing	Continu		
• APN/0147: <i>F-</i> 35C	1,062.542	939.280	663.232		663 333	1,302.363	2,016.259	2 835 305	2 002 701	30 630 555	55 785 2		
Joint Strike Fighter CV	1,002.042	939.ZOU	003.232	-	003.232	1,302.303	۷,010.259	2,000.000	۷,۶۶۷.۱۷۱	JU,UJB.JJJ	33,103.2		

PE 0604800M: (U)Joint Strike Fighter (JSF) - EMD Navy

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Exhibit R-2A, RDT&E Project Just	ification: FY	′ 2018 Navy							Date: Ma	y 2017			
Appropriation/Budget Activity 1319 / 5				PE 0604800M I (U)Joint Strike Fighter (JSF) 3350 I F-						ect (Number/Name) I F-35B Sustainment/Capability ncements			
C. Other Program Funding Summa	ary (\$ in Mill	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	642.400	1,406.074		
 International 2: International 	189.922	185.641	124.114	_	124.114	151.776	150.588	149.848	87.119	Continuing	Continuing		
Production/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 R&D 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	958.708	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: F-35C Follow-	20.544	63.387	139.942	-	139.942	224.712	228.707	188.678	120.192	Continuing	Continuing		
on Development (CV)										J			
 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 to existing capabilities 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.

PE 0604800M: (U)Joint Strike Fighter (JSF) - EMD Navy

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R-1 Line #146

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy			Date: May 2017
1	R-1 Program Element (Number/Name) PE 0604800M I (U)Joint Strike Fighter (JSF) - EMD	, ,	•
	- LIVID	Lillanceni	CIII.S

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

PE 0604800M: (U)Joint Strike Fighter (JSF) - EMD

F-35C Meets/Exceeds Tripwire Requirement

Logistics Footprints

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy		Date: May 2017
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)
1319 / 5	PE 0604800M I (U)Joint Strike Fighter (JSF)	3350 I F-35B Sustainment/Capability
	- EMD	Enhancements
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

Exhibit R-3, RDT&E	Proiect C	ost Analysis: FY 2	.018 Navv	,		ICLAS						Date:	May 2017	7	
Appropriation/Budge		<u>-</u>							lumber/Na Strike Figh		3350 / /	(Numbe			'y
Product Developme	nt (\$ in M	illions)		FY 2	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 Contrac
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	105.82
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	209.27
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	122.92
		Subtotal	103.313	166.177		103.765		59.770		-		59.770	4.995	438.020	438.02
Support (\$ in Million	ıs)			FY 2	2016	FY :	2017		2018 ase		7 2018 FY 2018 DCO 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		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	(\$ in Milli	ons)		FY 2	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 Complete	Total Cost	Target Value of Contrac
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	-
	es (\$ in M	illions)		FY 2	2016	FY 2	2017		2018 ase		2018 CO	FY 2018 Total			
Management Service	•											1			Target
Management Service 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	Value of

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy	Date: May 2017		
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (N	umber/Name)
1319 / 5	PE 0604800M I (U)Joint Strike Fighter (JSF)	3350 <i>I F-3</i>	5B Sustainment/Capability
	- EMD	Enhancem	ents

Management Services (\$ in Millions)			FY 2016		FY 2	2017		2018 ase	FY 2018 OCO		FY 2018 Total				
Cont Met Cost Category Item	hod	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
		Subtotal	1.000	2.316		1.610		0.000		-		0.000	0.000	4.926	-
			Prior Years	FY 2	2016	FY 2	2017		2018 ase		2018 CO	FY 2018 Total	Cost To	Total Cost	Target Value of Contract
	Cost	t Category Subtotals	136.307	184.378		108.761		61.270		-		61.270	4.995	495.711	-
Ju	oint Str	rike Fighter 0604800F	-	78.901		46.962		37.202		-		37.202			-
International Partner		-	38.992		13.031		6.881		-		6.881			-	
Joint Strike Fighter 0604800N 3352		-	35.666		24.420		5.787		-		5.787			-	
Project Cost Totals		136.307	30.819		24.348		11.400		-		11.400	4.995	495.711	-	

Remarks

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

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

Exhibit R-4, RDT&E Schedule Pro	ofile:	FY 2	2018	Nav	у																			Date	: Ma	y 20	17		
Appropriation/Budget Activity 1319 / 5	vity							PE 0604800M I (U)Joint Strike Fighter (JSF)										Project (Number/Name) 3350 / F-35B Sustainment/Capability Enhancements											
Proj 3350		FY 2016					2017 FY				18		FY 2019			FY 2020					FY 2021				FY 2022				
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q 1	2 2	Q 3	Q 40	2 1	Q 2	ıq	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	
D&S													-	-															
		SOUv2																											
						Bai	nd 2	/5		_																			
	Security Architecture														İ														
		OMS												İ	İ														
	DMT/DMO											1	ı																
2018OSD - 0604800M - 3350																													

PE 0604800M: (U)Joint Strike Fighter (JSF) - EMD Navy

Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy			Date: May 2017
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (N	umber/Name)
1319 / 5	PE 0604800M I (U)Joint Strike Fighter (JSF)	3350 <i>I F-3</i>	5B Sustainment/Capability
	- EMD	Enhancem	nents

Schedule Details

	Sta	art	Eı	nd
Events by Sub Project	Quarter	Year	Quarter	Year
Proj 3350				
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