

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Navy										Date: February 2018		
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0604840N / F-35C C2D2							
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	252.360	-	252.360	223.901	184.210	117.189	119.602	Continuing	Continuing
2936: F-35C C2D2	0.000	0.000	0.000	252.360	-	252.360	223.901	184.210	117.189	119.602	Continuing	Continuing
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 United States Navy, United States Air Force, United States Marine Corps and International Partners countries. There are three variants the F-35A Conventional Takeoff and Landing variant; F-35B Short Take Off and Vertical Landing; and the F-35C Aircraft Carrier suitable variant. Maximum commonality among the variants, consistent with National Disclosure Policy, will minimize total air system life cycle costs. Planning and pre-development systems engineering for Block 4 continues as Initial Operational Capability (IOC) is met for each variant during System Development and Demonstration (SDD).												
The JSF Continuous Capability Development & Delivery(C2D2) efforts provide incremental warfighting capability improvements to maintain joint air dominance against evolving threats. Block 4 capability requirements were initiated through ongoing Service-led operational analysis of warfighting gaps identified in the Fifth Generation Fighter Modernization Initial Capabilities Document (ICD), and through F-35 JSF Block 4 Mission Decomposition analysis completed in FY2014. These analyses serve as the basis for the Block 4 (CDD), staffed through the Air Force Requirements Oversight Council (AFROC) and signed by the USAF Chief of Staff in January 2015. Joint Requirements Oversight Council (JROC) approved the CDD 21 March 2017. Modernization activities in FY2017 and FY2018 include systems engineering, risk reduction, and infrastructure required to deliver full air system Block 4 capabilities to support initial fleet availability of Block 4 upgrades in FY2021.												
C2D2 efforts designated as Block 4 include a robust weapons integration portfolio and provide new opportunities for International Partners to assess, integrate, and field unique capabilities based on global sovereign requirements.												
The United Kingdom, Italy, Netherlands, Turkey, Canada, Australia, Denmark and Norway are participants in F-35 modernization. The program shown here reflects United States Marine Corps funding. Total funding for all Service and International Partners is reported at the accomplishment/planned program level since activities support all aircraft variants. Foreign Military Sales are ongoing separately.												
PE 0604840M/N replacing PE 0604810M/N beginning in FY19 due to budget being moved from BA05 to BA07.												

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Navy				Date: February 2018	
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy / BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0604840N / F-35C C2D2			
B. Program Change Summary (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	252.360	-	252.360
Total Adjustments	0.000	0.000	252.360	-	252.360
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Rate/Misc Adjustments	0.000	0.000	252.360	-	252.360
Change Summary Explanation					
PE 0604840M/N replacing PE 0604810M/N beginning in FY19 due to budget being moved from BA05 to BA07.					
Technical: Not applicable.					
Schedule: Not applicable.					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy										Date: February 2018		
Appropriation/Budget Activity 1319 / 7					R-1 Program Element (Number/Name) PE 0604840N / F-35C C2D2				Project (Number/Name) 2936 / F-35C C2D2			
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
2936: F-35C C2D2	0.000	0.000	0.000	252.360	-	252.360	223.901	184.210	117.189	119.602	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		
Project MDAP/MAIS Code: 198												
Note												
Total cost, including International partner contributions, USN, USMC, and USAF funding: FY2017 \$167.902M; FY2018 \$738.389M.												
R-2A table shown above reflects service funding only.												
R-2A (section B)/R-3 displays combined program for JSF Continuous Capability Development and Delivery (C2D2).												
JSF C2D2 Includes: USAF PE 0207142F BPAC 675346 USN PE 0604810N/ Project Unit 2936 USMC PE 0604810M Project Unit 2935 USN PE 0604800N Project Unit 9999 (FY14): \$1.500M USMC PE 0604800M Project Unit 9999 (FY14): \$1.500M International Partner Contributions												
A. Mission Description and Budget Item Justification												
F-35 C2D2 provides continuing incremental upgrades of the three F-35 variants and associated ground equipment. Upgrades are essential capabilities for Air Interdiction and Strategic Attack, Close Air Support, Suppression and Destruction of Enemy Air Defenses, Offensive and Defensive Counter Air and expanded Surface Warfare. The C2D2 acquisition strategy is based upon incremental deliveries of capabilities. The strategy includes periodic deliveries with a focus on hardware, tech refresh and softwre. C2D2 capability planning includes an efficient transition from F-35 SDD to C2D2. As SDD development activities ramp down C2D2 will assume responsibility for improvements and modernization efforts.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	
Title: Product Development - Block 4 Planning and Systems Engineering							0.000	0.000	420.931	0.000	420.931	
Articles:							-	-	-	-	-	
Description: Block 4 Planning and Systems Engineering preliminarily design and delta System requirements Review (SRR) for all variants of the F-35 Aircraft. Modernization efforts is the Requirements Decomposition of capabilities for the entire Block 4 upgrade to include sub-blocks 4.1 and 4.2. This is a continuation of the												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy			Date: February 2018			
Appropriation/Budget Activity 1319 / 7		R-1 Program Element (Number/Name) PE 0604840N / F-35C C2D2		Project (Number/Name) 2936 / F-35C C2D2		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
previous Block 4 Requirements Decomposition effort which will include activities leading up to a successful System Functional Review (SFR) and select facility upgrades required for Block 4 research, development, test and evaluation. Included in Block 4 are upgraded capabilities and continuous improvements to maintain Air System viability against evolving threats indicated in the Electronic Warfare Initial Capabilities Document (ICD), the Fifth Generation Fighter Modernization ICD, and the Block 4 Capability Development Document (CDD), reduce life cycle cost, and improve operational suitability. Expected completion of a Block 4.1 Preliminary Design Review (PDR) and a Block 4.2 System Requirements Review (SRR) will address additional Block 4 capabilities requirements. Post-PDR risk reduction, preplanning for subsequent Block 4 Modernization events, and investments to deliver the full Block 4 Air System capabilities are included.						
FY 2018 Plans: N/A						
FY 2019 Base Plans: Continued from PE 0604810M/N.						
Continue Block 4 Phase II contract development. Conduct Block 4.1 PDR and Block 4.2 SRR, as well as continuing Post-PDR risk reduction and planning.						
FY 2019 OCO Plans: N/A						
FY 2018 to FY 2019 Increase/Decrease Statement: PE 0604810M/N ending in FY18 and continues in PE 0604840M/N as budget moves from BA05 to BA07. Increase due continued Block 4 Phase 2.2 Development to include conducting Block 4.1 PDR and Block 4.2 SRR, as well as continuing Post-PDR risk reduction and planning. Prime Propulsion contract begins in FY19.						
Title: Product Development - Technology Refresh 3 (TR-3)		0.000	0.000	190.250	0.000	190.250
Articles:		-	-	-	-	-
Description: Technology Refresh 3 (TR-3) Design Competition, Development, Integration, and Test. This is the design phase of TR-3 program fully supports Block 3F functionality and allows incorporation of all Block 4 capabilities documented in the System Requirements Document (SRD). TR-3 hardware redesign is required to support 4X processing growth factor based on the current processing estimates for all 3F capabilities. Redesign of TR-3 subsystems Integrated Core Processor (ICP), Aircraft Memory System (AMS), and Panoramic Cockpit						

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy			Date: February 2018			
Appropriation/Budget Activity 1319 / 7		R-1 Program Element (Number/Name) PE 0604840N / F-35C C2D2		Project (Number/Name) 2936 / F-35C C2D2		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Display (PCD)) configurations will contain new backplane technology, commercial operating systems, and modified middleware necessary to take the design of the TR-3 System through Critical Design Review (CDR). FY 2018 Plans: N/A FY 2019 Base Plans: Continued from PE 0604810M/N. The TR-3 program will continue design toward Critical Design Review of the Integrated Core Processor (ICP), Panoramic Cockpit Display (PCD), and Aircraft Memory System (AMS). In addition the TR-3 program will prototype the middleware software that will enable F-35's new messaging architecture delivered as part of TR-3 and ensure compatibility with current F-35 sensors. Additionally the initial lab stand up will occur to ensure timely first article delivery to the production line in FY23. FY 2019 OCO Plans: N/A FY 2018 to FY 2019 Increase/Decrease Statement: PE 0604810M/N ending in FY18 and continues in PE 0604840M/N as budget moves from BA05 to BA07. Increase due to continued ramping up of TR-3 effort to include initial lab stand up beginning in FY19.						
Title: Infrastructure and Support Costs Articles: Description: Funding will support infrastructure investment planning and other test planning activities required for Block 4 development, integration, test and evaluation. Funding related to the Integrated Test Force, government, and contractor labor. Other costs in support of ranges, chase planes and DT site operations. FY 2018 Plans: N/A FY 2019 Base Plans: Continued from PE 0604810M/N.		0.000 -	0.000 -	244.520 -	0.000 -	244.520 -

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy				Date: February 2018		
Appropriation/Budget Activity 1319 / 7		R-1 Program Element (Number/Name) PE 0604840N / F-35C C2D2		Project (Number/Name) 2936 / F-35C C2D2		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Continue development support for defining, managing and acquiring the F-35 capability enhancements identified in approved requirements documents. Transfer of integrated test force requirement to Continuous Capability Development and Delivery (C2D2) F-35 SDD draws to closure. FY 2019 OCO Plans: N/A FY 2018 to FY 2019 Increase/Decrease Statement: PE 0604810M/N ending in FY18 and continues in PE 0604840M/N as budget moves from BA05 to BA07. Increase due to awarding of Prime Infrastructure contract beginning in FY19.						
Title: Test and Evaluation Articles: Description: Developmental Test activities in support of Block 4. Non-recurring engineering required to plan for the service life extension of existing DT aircraft and modification necessary to bring DT aircraft fleet to a more production representative and sustainable configuration. Additional upgrades required to support development and evaluation of improvements driven by changes in the threat environment and as identified in the Electronic Warfare ICD, the Fifth Generation Fighter Modernization ICS, and the Block 4 Capability Development Document (CDD). FY 2018 Plans: N/A FY 2019 Base Plans: Continued from PE 0604810M/N. Funding will support flight test execution to ensure Block 4 capabilities are delivered as designed. Funding also supports investment planning and prioritization required to maintain future development capabilities. This includes instrumenting new DT aircraft, ordering the replacement of pre-LRIP aircraft engines, continuing the FY18 NRE work, and delivery and install of upgraded hardware as a part of the DT aircraft viability effort. Additionally, this funding supports laboratory upgrades required to support development and verification of capabilities in a relevant environment. FY 2019 OCO Plans: N/A FY 2018 to FY 2019 Increase/Decrease Statement:		0.000 -	0.000 -	300.754 -	0.000 -	300.754 -

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy									Date: February 2018				
Appropriation/Budget Activity 1319 / 7				R-1 Program Element (Number/Name) PE 0604840N / F-35C C2D2				Project (Number/Name) 2936 / F-35C C2D2					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
PE 0604810M/N ending in FY18 and continues in PE 0604840M/N as budget moves from BA05 to BA07. Increase due to continued Test and Evaluation effort to include supporting laboratory upgrades required to support development and verification of capabilities and the delivery and install of upgraded hardware as a part of the DT aircraft viability effort.													
Accomplishments/Planned Programs Subtotals									0.000	0.000	1,156.455	0.000	1,156.455
0207142F JSF Continuous Capability Development and Delivery									-	-	475.621	-	475.621
0604840M JSF Continuous Capability Development and Delivery									-	-	270.122	-	270.122
International Continuous Capability Development and Delivery									-	-	158.352	-	158.352
Navy Subtotals									0.000	0.000	252.360	0.000	252.360
C. Other Program Funding Summary (\$ in Millions)													
Line Item	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost		
• RDT&E/0604840M/2935: F-35C Follow On Modernization - Marine Corps	0.000	0.000	270.122	-	270.122	228.719	189.038	122.592	125.044	Continuing	Continuing		
• USAF/FOM/0207142F: USAF Continuous Capability Development and Delivery	0.000	0.000	472.067	-	472.067	507.151	415.855	278.532	281.315	Continuing	Continuing		
• International: International Continuous Capability Development and Delivery	0.000	0.000	158.352	-	158.352	160.705	166.023	158.811	158.110	Continuing	Continuing		
Remarks													
This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between the Department of the Navy and the Department of the Air Force and currently resides with the Air Force. Program Element 0604800N/0604800M continues USN development efforts budgeted in 0603800N prior to FY2002. The United Kingdom, Italy, Netherlands, Turkey, Canada, Australia, Denmark, and Norway are participants in the SDD phase of JSF.													
PE 0604810M/N ending in FY18 and continues in PE 0604840M/N as budget moves from BA05 to BA07.													

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy		Date: February 2018
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0604840N / <i>F-35C C2D2</i>	Project (Number/Name) 2936 / <i>F-35C C2D2</i>
<u>D. Acquisition Strategy</u> The C2D2 acquisition strategy is to employ both Cost and Fixed Price Incentive contracts for the Block 4 engineering and development efforts. A new modernization contract structure will be established for all post SDD Block 4 efforts. In addition, a separate Basic Ordering Agreement or Indefinite Quantity/Indefinite Delivery contract is planned to provide a long term approach to upgrading and maintaining laboratories and test aircraft and supporting technology maturation for future C2D2 capabilities.		
<u>E. Performance Metrics</u> Overall Block 4 Performance Metrics will reflect Key Performance Parameters established in the F-35 Block 4 Capability Development Document.		

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Navy **Date:** February 2018

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0604840N / F-35C C2D2	Project (Number/Name) 2936 / F-35C C2D2
--	--	---

Product Development (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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
Prime LM TBD (Phase II)	C/CPFF	Lockheed Martin : FT. Worth, TX	0.000	0.000		0.000		278.448	Dec 2018	-		278.448	1,031.289	1,309.737	-
Prime LM 14-G-0020(TR3)	C/CPFF	Lockheed Martin : FT. Worth, TX	0.000	0.000		0.000		190.250	Dec 2018	-		190.250	510.000	700.250	-
Prime LM BOA 0020 (Nimble Lightning + Pilot Training)	C/CPFF	Lockheed Martin : FT. Worth, TX	0.000	0.000		0.000		4.760	Mar 2019	-		4.760	17.500	22.260	-
Flight Test Asset	Various	Lockheed Martin : FT. Worth, TX	0.000	0.000		0.000		85.346	Jan 2019	-		85.346	406.000	491.346	-
Prime LM IDIQ TBD (ECASE)	C/BA	Lockheed Martin : FT. Worth, TX	0.000	0.000		0.000		69.850	Jan 2019	-		69.850	168.000	237.850	-
Prime LM TBD DT AC Viability	C/CPFF	Lockheed Martin : FT. Worth, TX	0.000	0.000		0.000		100.100	Jan 2019	-		100.100	415.000	515.100	-
Systems Engineering	Various	Various : Various	0.000	0.000		0.000		18.423	Jan 2019	-		18.423	88.000	106.423	-
Prime PW Propulsion	SS/CPFF	Pratt whitney : TBD	0.000	0.000		0.000		49.450	Feb 2019	-		49.450	220.000	269.450	-
Prime LM Infrastructure	C/BA	Lockheed Martin : FT. Worth, TX	0.000	0.000		0.000		100.550	Nov 2018	-		100.550	345.000	445.550	-
Subtotal			0.000	0.000		0.000		897.177		-		897.177	3,200.789	4,097.966	N/A

Remarks

FY19 Product Development continued from PE 0604810M/N.
 Block 4 Modernization on R-2A includes Phase II, Nimble Lightning, ECASE, Systems Engineering & Propulsion.

Support (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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	WR	NAWCAD : Patuxent River, MD	0.000	0.000		0.000		16.839	Dec 2018	-		16.839	Continuing	Continuing	Continuing
Development Support	WR	NAWCWD : China Lake, CA	0.000	0.000		0.000		9.574	Dec 2018	-		9.574	43.083	52.657	-
Development Support	Various	Edwards AFB : Edwards AFB, CA	0.000	0.000		0.000		4.050	Dec 2018	-		4.050	14.175	18.225	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Navy												Date: February 2018			
Appropriation/Budget Activity 1319 / 7						R-1 Program Element (Number/Name) PE 0604840N / F-35C C2D2				Project (Number/Name) 2936 / F-35C C2D2					
Support (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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	Eglin : Various	0.000	0.000		0.000		3.393	Dec 2018	-		3.393	15.268	18.661	-
Development Support	Various	Various : Various	0.000	0.000		0.000		9.861	Dec 2018	-		9.861	34.513	44.374	-
Development Support	MIPR	AFLCMC : Wright Patterson AFB	0.000	0.000		0.000		3.978	Dec 2018	-		3.978	13.923	17.901	-
Subtotal			0.000	0.000		0.000		47.695		-		47.695	Continuing	Continuing	N/A
Remarks FY19 Support continued from PE 0604810M/N.															
Test and Evaluation (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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 & Evaluation	WR	NAWCAD : Patuxent River, MD	0.000	0.000		0.000		43.744	Dec 2018	-		43.744	174.872	218.616	-
Developmental Test & Evaluation	WR	NAWCWD : China Lake , CA	0.000	0.000		0.000		11.563	Dec 2018	-		11.563	40.470	52.033	-
Developmental Test & Evaluation Edwards/AFB	Various	Edwards AFB : Edwards AFB, CA	0.000	0.000		0.000		31.563	Dec 2018	-		31.563	110.470	142.033	-
Developmental Test & Evaluation	Various	Various : Various	0.000	0.000		0.000		12.813	Dec 2018	-		12.813	57.087	69.900	-
Operational Test & Evaluation	WR	Kirtland AFB, NM : Kirtland AFB, NM	0.000	0.000		0.000		15.625	Dec 2018	-		15.625	72.500	88.125	-
Subtotal			0.000	0.000		0.000		115.308		-		115.308	455.399	570.707	N/A
Remarks FY19 Test and Evaluation continued from PE 0604810M/N.															

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Navy **Date:** February 2018

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0604840N / F-35C C2D2	Project (Number/Name) 2936 / F-35C C2D2
--	--	---

Management Services (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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
AFLCMC Civilian Pay	C/BA	AFLCMC CIVPAY : Wright Patterson, AFB	0.000	0.000		0.000		46.265	Dec 2018	-		46.265	231.610	277.875	-
Financial Mgmt Database Support IDS	C/BA	Various : Various	0.000	0.000		0.000		0.850	Dec 2018	-		0.850	4.301	5.151	-
Earned Value/Finance/ Cost ACT-I	C/BA	Various : Various	0.000	0.000		0.000		5.100	Dec 2018	-		5.100	23.518	28.618	-
CIO BOS	C/BA	Various : Various	0.000	0.000		0.000		22.500	Dec 2018	-		22.500	95.066	117.566	-
Systems System High BOS	C/BA	Various : Various	0.000	0.000		0.000		9.500	Dec 2018	-		9.500	45.342	54.842	-
Other CIO Services	C/BA	Various : Various	0.000	0.000		0.000		8.622	Dec 2018	-		8.622	22.579	31.201	-
Travel	Various	Various : Various	0.000	0.000		0.000		3.438	Oct 2018	-		3.438	8.569	12.007	-
Subtotal			0.000	0.000		0.000		96.275		-		96.275	430.985	527.260	N/A

Remarks

FY19 Management Services continued from PE 0604810M/N.

	Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Subtotals	0.000	0.000		0.000		1,156.455		-		1,156.455	Continuing	Continuing	N/A
0207142F JSF Continuous Capability Development and Delivery	-	-		-		475.621		-		475.621			-
0604840M JSF Continuous Capability Development and Delivery	-	-		-		270.122		-		270.122			-
International Continuous Capability Development and Delivery	-	-		-		158.352		-		158.352			-
Project Cost Totals	0.000	0.000		0.000		252.360		-		252.360	0.000	0.000	-

Remarks

Subtotals and totals may not add due to rounding.

Prior Year reflects \$0M due to PE 0604810M/N ending in FY18 and being replaced by PE 0604840M/N in FY19 as budget moves from BA05 to BA07.

FY 2019 reflects \$475.621M USAF/\$252.360M USN/\$270.122M USMC/\$158.352M International/Total \$1,156.455M

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Navy							Date: February 2018		
Appropriation/Budget Activity 1319 / 7				R-1 Program Element (Number/Name) PE 0604840N / F-35C C2D2		Project (Number/Name) 2936 / F-35C C2D2			
	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
R-2A (section B)/R-3 displays total combined program (i.e. not Service-specific), including International partners.									
JSF Continuous Capability Development and Delivery (C2D2) Includes: USAF PE 0207142F BPAC 675346 USN PE 0604810N Project Unit 2936 - ends FY18 USMC PE 0604810M Project Unit 2935 - ends FY18 USN PE 0604840N Project Unit 2936 - begins FY19 USMC PE 0604840M Project Unit 2935 - begins FY19 USN PE 0604800N Project Unit 9999 (FY14): \$1.500 USMC PE 0604800M Project Unit 999 (FY14) : \$1.500									

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2019 Navy

Date: February 2018

Appropriation/Budget Activity
1319 / 7

R-1 Program Element (Number/Name)
PE 0604840N / F-35C C2D2

Project (Number/Name)
2936 / F-35C C2D2

Proj 2936	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Acquisition									IPR ◆				IPR ◆				IPR ◆				IPR ◆				IPR ◆			
Contracting									Block 4 Phase II																			
Systems Engineering									4.1 PDR ◆				4.2 SRR ◆				4.2 PDR ◆											
Test & Evaluation									4.1 Test				4.2 Test															
Fielding																	4.1 Fleet Avail ▲								4.2 Fleet Avail ▲			

2019PB - 0604840N - 2936

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2019 Navy			Date: February 2018
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0604840N / F-35C C2D2	Project (Number/Name) 2936 / F-35C C2D2	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 2936				
Acquisition: Interim Program Review (IPR) FY19	1	2019	1	2019
Acquisition: Interim Program Review (IPR) FY20	1	2020	1	2020
Acquisition: Interim Program Review (IPR) FY21	1	2021	1	2021
Acquisition: Interim Program Review (IPR) FY22	1	2022	1	2022
Acquisition: Interim Program Review (IPR) FY23	1	2023	1	2023
Contracting: Block 4 Phase II	1	2019	4	2023
Contracting: Systems Engineering: 4.1 Preliminary Design Review (PDR)	2	2019	2	2019
Contracting: Systems Engineering: 4.2 Preliminary Design Review (PDR)	3	2020	3	2020
Contracting: Systems Engineering: 4.2 System Requirements Review (SRR)	4	2019	4	2019
Contracting: Test & Evaluation: Test & Evaluation: 4.1 Test	4	2019	4	2020
Contracting: Test & Evaluation: Test & Evaluation: 4.2 Test	2	2021	4	2022
Contracting: Fielding: Block 4.1 Fleet Availability	1	2021	1	2021
Contracting: Fielding: Block 4.2 Fleet Availability	1	2023	1	2023