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Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Navy										Date: March 2019		
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0604810M I (U)Joint Strike Fighter Follow On Mod (FoM) - MC							
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	351.791	139.369	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	491.160
2935: JSF Follow On Modernization - Marine Corps	351.791	139.369	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	491.160
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 the Block 4 continues as Initial Operational Capability (IOC) is met for each variant during System Development and Demonstration (SDD).												
The JSF Continuous Capability Development and Delivery (C2D2) efforts provide incremental warfighting capability improvements to maintain joint air dominance against evolving threats. C2D2 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 F-35 Block 4 Capabilities Development Document (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 upgrades required to deliver full Air System 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 0604810M/N ending in FY18 and continues in PE 0604840M/N as budget moves from BA05 to BA07.												

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Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
1319: Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)		PE 0604810M I (U)Joint Strike Fighter Follow On Mod (FoM) - MC			
B. Program Change Summary (\$ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget	144.958	0.000	0.000	-	0.000
Current President's Budget	139.369	0.000	0.000	-	0.000
Total Adjustments	-5.589	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-5.589	0.000			
• Rate/Misc Adjustments	0.000	0.000	0.000	-	0.000
Change Summary Explanation					
Program Changes:					
FY2018 SBIR Reductions as follows: USAF -8.517, USMC -\$5.589 & USN -\$5.547.					
PE 0604810M/N ending in FY18 and continues in PE 0604840M/N as budget moves from BA05 to BA07.					
Technical: N/A					
Schedule: N/A					

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy										Date: March 2019		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604810M I (U)Joint Strike Fighter Follow On Mod (FoM) - MC				Project (Number/Name) 2935 I JSF Follow On Modernization - Marine Corps			
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
2935: JSF Follow On Modernization - Marine Corps	351.791	139.369	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	491.160
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		
Project MDAP/MAIS Code: 198												
Note Total cost, including International partner contributions, USN, USMC, and USAF funding: FY2018 \$725.610M; FY2019 continues in PE 0604840M/N as budget moves from BA05 to BA07. 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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	
Title: Product Development - Block 4 Planning and Systems Engineering							197.314	0.000	0.000	0.000	0.000	
Articles:							-	-	-	-	-	

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
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 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. Upgraded capabilities and improvements to include continuous upgrade of joint reprogramming enterprise labs, the continued development and re-architecture of the autonomic logistics information system and training investments. 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 2019 Plans: FY19 effort continues in PE 0604840M/N. FY 2020 Base Plans: FY20 effort continues in PE 0604840M/N. FY 2020 OCO Plans: N/A FY 2019 to FY 2020 Increase/Decrease Statement: PE 0604810M/N ending in FY18 and continues in PE 0604840M/N as budget moves from BA05 to BA07.						
Title: Product Development - Technology Refresh 3 (TR-3) 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		144.550 -	0.000 -	0.000 -	0.000 -	0.000 -

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 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 2019 Plans: FY19 effort continues in PE 0604840M/N. FY 2020 Base Plans: FY20 effort continues in PE 0604840M/N. FY 2020 OCO Plans: N/A FY 2019 to FY 2020 Increase/Decrease Statement: PE 0604810M/N ending in FY18 and continues in PE 0604840M/N as budget moves from BA05 to BA07.						
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. Support efforts for airframe, air vehicle systems, mission systems, weapons integration, mission support, autonomic logistics development, joint reprogramming enterprise, modeling and simulation environment activities and training investment support. Other costs in support of ranges, chase planes and DT site operations. FY 2019 Plans: FY19 effort continues in PE 0604840M/N. FY 2020 Base Plans: FY20 effort continues in PE 0604840M/N. FY 2020 OCO Plans: N/A FY 2019 to FY 2020 Increase/Decrease Statement: PE 0604810M/N ending in FY18 and continues in PE 0604840M/N as budget moves from BA05 to BA07.		172.641 -	0.000 -	0.000 -	0.000 -	0.000 -
Title: Test and Evaluation		211.105	0.000	0.000	0.000	0.000

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)					
	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Articles:	-	-	-	-	-
Description: 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 common 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). Execution of all DT activities in support of Block 4.					
FY 2019 Plans: FY19 effort continues in PE 0604840M/N.					
FY 2020 Base Plans: FY20 effort continues in PE 0604840M/N.					
FY 2020 OCO Plans: N/A					
FY 2019 to FY 2020 Increase/Decrease Statement: PE 0604810M/N ending in FY18 and continues in PE 0604840M/N as budget moves from BA05 to BA07.					
Accomplishments/Planned Programs Subtotals					
	725.610	0.000	0.000	0.000	0.000
0604810N JSF Continuous Capability Development and Delivery	138.308	-	-	-	-
International Continuous Capability Development and Delivery	157.042	-	-	-	-
0207142F JSF Continuous Capability Development and Delivery	290.891	-	-	-	-
Navy Subtotals					
	139.369	0.000	0.000	0.000	0.000

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
• RDT&E/0604810N/2936: F-35C Follow On Modernization - Navy	138.308	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	192.135
• USAF/FOD/0207142F: USAF Continuous Capability Development and Delivery	290.891	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	429.671

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C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
• International: <i>International Continuous Capability Development and Delivery</i>	157.042	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	269.976
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.											
D. Acquisition Strategy											
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.											
E. Performance Metrics											
Overall Block 4 Performance Metrics will reflect Key Performance Parameters established in the F-35 Block 4 Capability Development Document.											

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Product Development (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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 18-C-1004 (Phase II)	C/CPFF	Lockheed Martin : FT. Worth, TX	28.140	150.345	Apr 2018	0.000		0.000		-		0.000	0.000	178.485	229.397
Prime LM 14-G-0020 (TR3)	C/CPFF	Lockheed Martin : FT. Worth, TX	96.837	144.550	Mar 2018	0.000		0.000		-		0.000	0.000	241.387	231.460
Prime LM BOA 0020 (Nimble Lightning + Pilot Training)	C/CPFF	Lockheed Martin : FT Worth, TX	4.706	4.250	Mar 2018	0.000		0.000		-		0.000	0.000	8.956	8.956
Prime Flight Test Assets	Various	Various : Various	0.000	9.548	Jul 2018	0.000		0.000		-		0.000	0.000	9.548	37.548
Prime LM ECASE	C/CPFF	Lockheed Martin : FT. Worth, TX	0.000	4.919	Jun 2018	0.000		0.000		-		0.000	0.000	4.919	5.000
Prime LM 14-G-0020 DT AC Viability	C/CPFF	Lockheed Martin : FT. Worth, TX	0.000	29.700	May 2018	0.000		0.000		-		0.000	0.000	29.700	45.000
Prime LM Infrastructure	C/BA	Lockheed Martin : FT. Worth, TX	0.000	88.800	Sep 2018	0.000		0.000		-		0.000	0.000	88.800	26.312
Prime PW Propulsion	C/CPIF	Pratt & Whitney : Various	0.000	12.509	Aug 2018	0.000		0.000		-		0.000	0.000	12.509	-
Prime LM TBD JRE	C/CPFF	Lockheed Martin : FT. Worth, TX	0.000	20.000	Sep 2018	0.000		0.000		-		0.000	0.000	20.000	7.500
Systems Engineering	C/CPFF	Various : Various	5.342	17.800	Feb 2018	0.000		0.000		-		0.000	0.000	23.142	23.142
Prior Year No Longer Funded in FYDP	Various	Various : Various	144.540	0.000		0.000		0.000		-		0.000	0.000	144.540	144.540
Subtotal			279.565	482.421		0.000		0.000		-		0.000	0.000	761.986	N/A
Remarks															
Block 4 Planning & Systems Engineering on R-2A includes Phase II, Nimble Lightning, ECASE, JRE & Systems Engineering. Broke out Prime LM Infrastructure line seperately from Block 4 Phase II contract line due to change in contracting strategy. Broke out Prime LM TBD JRE line seperately from Block 4 Phase II contract line due to change in contracting strategy. Added Prime PW Propulsion for Flight Test Support.															

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Support (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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	16.098	8.550	Dec 2017	0.000		0.000		-		0.000	0.000	24.648	Continuing
Development Support	WR	NAWCWD : China Lake, CA	1.029	2.550	Dec 2017	0.000		0.000		-		0.000	0.000	3.579	-
Development Support	Various	Edwards AFB : Edwards AFB, CA	0.986	0.500	Dec 2017	0.000		0.000		-		0.000	0.000	1.486	-
Development Support	Various	Eglin : Various	2.265	3.450	Jan 2018	0.000		0.000		-		0.000	0.000	5.715	-
Development Support	Various	Various : Various	16.585	15.144	Dec 2017	0.000		0.000		-		0.000	0.000	31.729	-
Development Support	MIPR	AFLCMC : Wrieth Patterson AFB	1.286	1.778	Dec 2017	0.000		0.000		-		0.000	0.000	3.064	-
JRE Development Support	Various	Various : Various	0.000	20.579	Jan 2018	0.000		0.000		-		0.000	0.000	20.579	-
ALIS Development Support	Various	Various : Various	0.000	10.739	Jan 2018	0.000		0.000		-		0.000	0.000	10.739	-
Subtotal			38.249	63.290		0.000		0.000		-		0.000	0.000	101.539	N/A
Remarks Broke out JRE and ALIS Development Support from Block 4 Phase II contract line due to change in contracting strategy.															
Test and Evaluation (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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	45.000	Feb 2018	0.000		0.000		-		0.000	0.000	45.000	-
Developmental Test & Evaluation	WR	NAWCWD : China Lake , CA	0.000	7.557	Feb 2018	0.000		0.000		-		0.000	0.000	7.557	-
Developmental Test & Evaluation Edwards/AFB	Various	Edwards AFB : Edwards AFB, CA	0.000	5.741	Feb 2018	0.000		0.000		-		0.000	0.000	5.741	-
Developmental Test & Evaluation	Various	Various : Various	0.000	10.250	Feb 2018	0.000		0.000		-		0.000	0.000	10.250	-
Developmental Test Aircraft Viability	WR	AFOTECH : Kirtland AFB, NM	2.700	2.000	Feb 2018	0.000		0.000		-		0.000	0.000	4.700	-

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Test and Evaluation (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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
Subtotal			2.700	70.548		0.000		0.000		-		0.000	0.000	73.248	N/A
Management Services (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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	Various	AFLCMC CIVPAY : Wright Patterson, AFB	29.377	36.500	Oct 2017	0.000		0.000		-		0.000	0.000	65.877	-
HPSI Program Sppt.	Various	AFLCMC : Wright Patterson, AFB	0.000	10.225	Oct 2017	0.000		0.000		-		0.000	0.000	10.225	-
Financial Mgmt Database Support IDS	Various	Various : Various	0.000	0.724	Jan 2018	0.000		0.000		-		0.000	0.000	0.724	-
Earned Value/Finance/ Cost ACT-I	Various	Various : Various	0.000	4.450	Jan 2018	0.000		0.000		-		0.000	0.000	4.450	-
Systems System High BOS	Various	Various : Various	0.000	10.346	Jan 2018	0.000		0.000		-		0.000	0.000	10.346	-
CIO BOS	Various	Various : Various	0.000	7.800	Jan 2018	0.000		0.000		-		0.000	0.000	7.800	-
Other CIO Services	Various	Various : Various	0.000	10.629	Jan 2018	0.000		0.000		-		0.000	0.000	10.629	-
Other Core Civ Pay	Various	NAWCAD/WD : Various	0.000	20.425	Dec 2017	0.000		0.000		-		0.000	0.000	20.425	-
Other Core Contractor Sppt.	Various	Various : Various	0.000	5.113	Dec 2017	0.000		0.000		-		0.000	0.000	5.113	-
Travel	Various	Various : Various	1.900	3.139	Oct 2017	0.000		0.000		-		0.000	0.000	5.039	-
Subtotal			31.277	109.351		0.000		0.000		-		0.000	0.000	140.628	N/A
Remarks Breaking out HPSI AFLCMC funding from AFLCMC Civilian Pay line for visibility purposes. Added Other Core Civ Pay & Other Core Contractor Support to account for program operations support.															

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	Prior Years	FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract	
Cost Category Subtotals	351.791	725.610		0.000		0.000		-		0.000	0.000	1,077.401	N/A	
0604810N JSF Continuous Capability Development and Delivery	-	138.308		-		-		-		-			-	
International Continuous Capability Development and Delivery	-	157.042		-		-		-		-			-	
0207142F JSF Continuous Capability Development and Delivery	-	290.891		-		-		-		-			-	
Project Cost Totals	351.791	139.369		0.000		0.000		-		0.000	0.000	1,077.401	-	
Remarks														
Subtotals and totals may not add due to rounding.														
Prior Year reflects \$124.113M USAF/\$55.327M USN/\$59.417M USMC/\$112.934M International/Total \$351.791														
FY 2018 reflects \$290.891M USAF/\$138.308M USN/\$139.369M USMC/\$157.042M International/Total \$725.610M														
FY 2019 continues in PE 0604840M/N as budget moves from BA05 to BA07.														
FY 2020 continues in PE 0604840M/N as budget moves from BA05 to BA07.														
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														
USMC PE 0604810M Project Unit 2935														
USN PE 0604800N Project Unit 9999 (FY14): \$1.500														
USMC PE 0604800M Project Unit 999 (FY14) : \$1.500														

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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Navy											Date: March 2019																		
Appropriation/Budget Activity 1319 / 5											R-1 Program Element (Number/Name) PE 0604810M I (U)Joint Strike Fighter Follow On Mod (FoM) - MC								Project (Number/Name) 2935 I JSF Follow On Modernization - Marine Corps										
Proj 2935	FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				
	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	
Requirements																													
Acquisition	IPR ◆	Phase II CA ▲																											
Contracting																													
		Block 4 Phase II																											
Systems Engineering	4.1 SFR ◆																												
2020PB - 0604810M - 2935																													

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2020 Navy			Date: March 2019
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604810M / (U)Joint Strike Fighter Follow On Mod (FoM) - MC	Project (Number/Name) 2935 / JSF Follow On Modernization - Marine Corps	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 2935				
Acquisition: Block 4 Phase II Contract Award	2	2018	2	2018
Acquisition: Interim Program Review (IPR) FY18	1	2018	1	2018
Contracting: Block 4 Phase II	2	2018	4	2024
Systems Engineering: 4.1 System Functional Review (SFR)	1	2018	1	2018