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CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification								DATE: June 2001			
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-5						R-1 ITEM NOMENCLATURE Program Element 0604800N, JOINT STRIKE FIGHTER (JSF) PROGRAM					
COST (\$ in Millions)	Prior Year Cost	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Total PE Cost				767.259	TBD	TBD	TBD	TBD	TBD	TBD	TBD
D2261/JSF EMD				767.259	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Quantity of RDT&E Articles										TBD	TBD

* Quantity of RDT&E Articles is TBD pending source selection.

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Joint Strike Fighter program will develop and field a family of aircraft that meets the needs of the USN, USAF, and USMC and allies, with optimum commonality among the variants to minimize life cycle costs. This is a joint program with no executive service. Navy and Air Force each provide approximately equal shares of annual funding to the program. The United Kingdom (UK) is a partner in this phase, and agreements with several other countries are in negotiation.

(U) JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under ENGINEERING AND MANUFACTURING DEVELOPMENT because it encompasses engineering and manufacturing development of new end-items prior to production approval decision.

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Exhibit R-2, RD TEN Budget Item Justification
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EXHIBIT R-2a, RDT&E Project Justification								DATE:			
								June 2001			
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME					PROJECT NUMBER AND NAME					
RDT&E, N / BA-5	0604800N/JOINT STRIKE FIGHTER (JSF) PROGRAM					D2261/JOINT STRIKE FIGHTER EMD					
COST (\$ in Millions)	Prior Year Cost	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Project Cost				767.259	TBD	TBD	TBD	TBD	TBD	TBD	TBD
RDT&E Articles Qty										*	
										TBD	

* Quantity of RDT&E Articles is TBD pending source selection.

This Program Element continues development efforts budgeted in program element 0603800N prior to fiscal year 2002.

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Joint Strike Fighter program will develop and field a family of aircraft that meets the needs of the USN, USAF, and USMC and allies, with optimum commonality among the variants to minimize life cycle costs. This is a joint program with no executive service. Navy and Air Force each provide approximately equal shares of annual funding to the program. The United Kingdom (UK) is a partner in this phase, and agreements with several other countries are in negotiation.

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. FY 2000 ACCOMPLISHMENTS: Not Applicable.

2. FY 2001 PLANS: Not Applicable. (FY 2001 Appropriated funding was reprogrammed to Program Element 0603800N.)

3. FY 2002 PLANS: (Breakout reflects Navy, Air Force and UK funding only; excludes TBD anticipated other International funding)

- (U) (\$1,631.770) Prepare for and commence execution of EMD for a tri-service family of aircraft, continue development of a second, interchangeable, engine for competition in production (previously begun in associated program elements 0603800N and 0603800F) and provide mission support, including program office functions. Further breakout TBD pending completion of source selection.

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Exhibit R-2a, RDTEN Project Justification
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EXHIBIT R-2a, RDT&E Project Justification		DATE:																
APPROPRIATION/BUDGET ACTIVITY RDTE&, N / BA-5	PROGRAM ELEMENT NUMBER AND NAME 0604800N/JOINT STRIKE FIGHTER (JSF) PROGRAM	June 2001 PROJECT NUMBER AND NAME D2261/JOINT STRIKE FIGHTER EMD																
<p>(U) B. PROGRAM CHANGE SUMMARY:</p> <table><thead><tr><th></th><th><u>FY2000</u></th><th><u>FY2001</u></th><th><u>FY2002</u></th></tr></thead><tbody><tr><td>(U) FY 2001 President's Budget:</td><td>0</td><td>295.962</td><td>1,324.048</td></tr><tr><td>(U) Adjustments from the President's Budget:</td><td></td><td>-295.962</td><td>-556.789</td></tr><tr><td>(U) FY 2002 President's Budget Submit:</td><td>0</td><td>0.000</td><td>767.259</td></tr></tbody></table> <p>CHANGE SUMMARY EXPLANATION:</p> <p>(U) Funding: The FY 2001 decrease of \$295.962 million is due to a Congressional reduction of \$194.687 million for a projected schedule delay, a congressional reprogramming of \$100.344 million to PE 0603800N and a general Congressional reduction of \$.931 million. The FY 2002 decrease of \$556.789 million is due to a Service reduction of \$554.833 million due to a delay in the start of EMD, a reduction of \$1.607 million for reprioritization of requirements within the Navy, and a reduction of \$.349 million for economic assumptions.</p> <p>(U) Schedule: Milestone II and EMD start was delayed from Spring 2001 to Fall 2001 due to delayed start of the contractors' flight demonstrations.</p> <p>(U) Technical: Not Applicable.</p>				<u>FY2000</u>	<u>FY2001</u>	<u>FY2002</u>	(U) FY 2001 President's Budget:	0	295.962	1,324.048	(U) Adjustments from the President's Budget:		-295.962	-556.789	(U) FY 2002 President's Budget Submit:	0	0.000	767.259
	<u>FY2000</u>	<u>FY2001</u>	<u>FY2002</u>															
(U) FY 2001 President's Budget:	0	295.962	1,324.048															
(U) Adjustments from the President's Budget:		-295.962	-556.789															
(U) FY 2002 President's Budget Submit:	0	0.000	767.259															

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							June 2001			
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME				PROJECT NUMBER AND NAME				
RDT&E, N / BA-5		0604800N/JOINT STRIKE FIGHTER (JSF) PROGRAM				D2261/JOINT STRIKE FIGHTER EMD				
(U) C. OTHER PROGRAM FUNDING SUMMARY: (Dollars in Millions) This is a joint program with no executive service. Program Element 0604800F continues development efforts budgeted in program element 0603800F prior to fiscal year 2002. The United Kingdom is a partner in EMD.										
RDT&E	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Cost
0604800F	0	0	769.511	TBD	TBD	TBD	TBD	TBD	TBD	TBD
United Kingdom	0	0	95.000	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Related RDT&E:										
0603800N	238.420	341.164	0	0	0	0	0	0	0	1,950.617
0603800F	249.088	341.167	0	0	0	0	0	0	0	1,907.352
0603800E	0	0	0	0	0	0	0	0	0	118.006
United Kingdom	26.101	0.800	0	0	0	0	0	0	0	201.091
Multi-Lateral	5.100	1.700	0	0	0	0	0	0	0	32.100
Canada	3.300	0	0	0	0	0	0	0	0	10.600
Italy	0	0	0	0	0	0	0	0	0	10.000
Related PROCUREMENT: TBD										

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EXHIBIT R-2a, RDT&E Project Justification		DATE: June 2001
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-5	PROGRAM ELEMENT NUMBER AND NAME 0604800N/JOINT STRIKE FIGHTER (JSF) PROGRAM	PROJECT NUMBER AND NAME D2261/JOINT STRIKE FIGHTER EMD
<p>(U) D. ACQUISITION STRATEGY:</p> <p>Activities in prior phase centered around three distinct objectives to provide a sound foundation for the start of (EMD) in Fall 2001:</p> <ul style="list-style-type: none"> (1) facilitating the Services' development of fully validated, affordable operational requirements; (2) lowering risk by investing in and demonstrating key leveraging technologies that lower the cost of development, production and ownership; and (3) demonstrating operational concepts. <p>Early warfighter and technologist interaction was an essential aspect of the requirements definition process, and key to achieving JSF affordability goals. To an unprecedented degree the JSF Program used cost-performance trades early, as an integral part of the weapon system development process. The Services defined requirements through an iterative process, balancing weapon system capability against life cycle cost at every stage. Each iteration of requirements was provided to industry. They evolved their designs and provided cost data back to the warfighters. The warfighters evaluated trades and made decisions for the next iteration. This iterative process produced iterations of the Services' Joint Interim Requirements Documents in 1995, 1997, 1998 and culminated in the approved joint Operational Requirements Document (ORD) in FY 2000.</p> <p>A sizable technology maturation effort was conducted to reduce risk and life cycle cost (LCC) through technology maturation and demonstrations. The primary emphasis was on technologies identified as high payoff contributors to affordability, supportability, survivability, and lethality. Numerous demonstrations were accomplished to validate performance and life cycle cost impact to component, subsystem, and the total system.</p> <p>In November 1996 contracts were awarded to Boeing and Lockheed Martin for Concept Demonstration Programs. These competing contractors built and are flying concept demonstrator aircraft, conducted concept unique ground demonstrations, and refined their respective weapon system concepts. Specifically, Boeing and Lockheed Martin are demonstrating commonality and modularity, STOVL hover and transition, and low speed handling qualities of their respective weapon system concepts. Pratt and Whitney is providing propulsion hardware and engineering support. General Electric continues development of a second, interchangeable, engine for competition in production.</p> <p>Downselect to a single prime weapon system contractor for EMD and Milestone II are planned for Fall 2001.</p> <p>(U) E. SCHEDULE PROFILE:</p> <p>Fall 2001 Milestone II and Award of EMD Contract award</p>		

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Exhibit R-2a, RDTEN Project Justification
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Exhibit R-3 Cost Analysis (page 1)										DATE: June 2001			
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT				PROJECT NUMBER AND NAME						
RDT&E, N / BA-5			0604800N/JOINT STRIKE FIGHTER (JSF) PROGRAM				D2261/JOINT STRIKE FIGHTER EMD						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date			Cost to Complete	Total Cost	Target Value of Contract	
EMD	TBD	TBD				1,631.770	TBD			TBD	TBD		
Subtotal Product Development						1,631.770				TBD	TBD		
Remarks: FY 02 funding breakout is TBD pending completion of JSF source selection.													
Subtotal Support													

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Exhibit R-3 Cost Analysis (page 2)								DATE: June 2001				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
RDT&E, N / BA-5			0604800N/JOINT STRIKE FIGHTER (JSF) PROGRAM			D2261/JOINT STRIKE FIGHTER EMD						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date			Cost to Complete	Total Cost	Target Value of Contract
Subtotal T&E												
Remarks:												
Subtotal Management												
Remarks:												
Total Cost						1,631.770				TBD	TBD	
Remarks: Funding Resources* FY02												
						767.259						
						769.511						
						95.000						
						1,631.770						