

EXHIBIT R-2, RDT&E Budget Item Justification							DATE: May 2009																																													
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-5					R-1 ITEM NOMENCLATURE 0604269N EA-18G																																															
COST (\$ in Millions)	FY 2008	FY 2009	FY 2010																																																	
Total PE Cost	269.379	128.689	55.446																																																	
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<p>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The EA-18G is replacing the EA-6B aircraft. The EA-18G's electronic attack upgrades meet EA-6B (ALQ-218, ALQ-99, USQ-113) Airborne Electronic Attack (AEA) capability to detect, identify, locate and suppress hostile emitters; provide enhanced connectivity to National, Theater and Strike assets; and provide organic precision emitter targeting for employment of onboard suppression weapon, High-speed Anti-Radiation Missile (HARM) family of weapons, to fulfill operational requirements. The performance of the aircraft is compatible with the primary strike/fighter aircraft projected to be in the inventory in the 2010 time period, allowing it to be fully integrated into specific strike packages. The EA-18G has the capability to operate autonomously or as a major node in a network-centric operation and is being designed to perform a range of Electronic Warfare/Electronic Attack functions either simultaneously or independently.</p> <p>Congressional Add: 9A33A Next Generation Electronic Warfare Simulator. Provides Radio Frequency (RF) threat generation capabilities for the EA-18G Advanced Weapons Laboratory team to validate and verify the performance of mission critical Electronic Warfare systems.</p> <p>B. PROGRAM CHANGE SUMMARY:</p> <table border="0"> <tr> <td>Funding:</td> <td>FY08</td> <td>FY09</td> <td>FY10</td> </tr> <tr> <td>Previous President's Budget:</td> <td>278.469</td> <td>128.906</td> <td>48.394</td> </tr> <tr> <td>Current President's Budget:</td> <td>269.379</td> <td>128.689</td> <td>55.446</td> </tr> <tr> <td>Total Adjustments</td> <td>-9.090</td> <td>-0.217</td> <td>7.052</td> </tr> </table> <table border="0"> <tr> <td>Summary of Adjustments</td> <td></td> <td></td> <td></td> </tr> <tr> <td> Congressional Rescissions</td> <td></td> <td></td> <td></td> </tr> <tr> <td> Congressional Adjustments</td> <td>-4.268</td> <td>0.135</td> <td></td> </tr> <tr> <td> SBIR/STTR/FTT Assessments</td> <td>0.553</td> <td></td> <td></td> </tr> <tr> <td> Program Adjustments</td> <td>-5.375</td> <td></td> <td>7.060</td> </tr> <tr> <td> Rate/Misc Adjustments</td> <td></td> <td>-0.352</td> <td>-0.008</td> </tr> <tr> <td>Subtotal</td> <td>-9.090</td> <td>-0.217</td> <td>7.052</td> </tr> </table> <p>Schedule: Operation and Evaluation (OPEVAL) was supposed to be complete in the 2nd quarter FY09, but has slid to 3rd quarter FY09 due to technical issues related to software development. As a result, the Full Rate Production (FRP) contract award has been delayed until 4th quarter FY09</p> <p>Technical: N / A</p>									Funding:	FY08	FY09	FY10	Previous President's Budget:	278.469	128.906	48.394	Current President's Budget:	269.379	128.689	55.446	Total Adjustments	-9.090	-0.217	7.052	Summary of Adjustments				Congressional Rescissions				Congressional Adjustments	-4.268	0.135		SBIR/STTR/FTT Assessments	0.553			Program Adjustments	-5.375		7.060	Rate/Misc Adjustments		-0.352	-0.008	Subtotal	-9.090	-0.217	7.052
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EXHIBIT R-2a, RDT&E Project Justification							DATE: May 2009	
APPROPRIATION/BUDGET ACTIVITY RD BA-5			PROGRAM ELEMENT NUMBER AND NAME 0604269N EA-18G			PROJECT NUMBER AND NAME 3063 EA-18G Development		
COST (\$ in Millions)			FY 2008	FY 2009	FY 2010			
Project Cost			267.837	127.492	55.446			
RDT&E Articles Qty								

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

The EA-18G is replacing the EA-6B aircraft. The EA-18G's electronic attack upgrades meet EA-6B (ALQ-218, ALQ-99, USQ-113) Airborne Electronic Attack (AEA) capability to detect, identify, locate and suppress hostile emitters; provide enhanced connectivity to National, Theater and Strike assets; and provide organic precision emitter targeting for employment of onboard suppression weapon, High-speed Anti-Radiation Missile (HARM) family of weapons, to fulfill operational requirements. The performance of the aircraft is compatible with the primary strike/fighter aircraft projected to be in the inventory in the 2010 time period, allowing it to be fully integrated into specific strike packages. The EA-18G has the capability to operate autonomously or as a major node in a network-centric operation and is being designed to perform a range of Electronic Warfare/Electronic Attack functions either simultaneously or independently.

B. Accomplishments/Planned Program

EA-18G Design and Avionics Integration	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost	159.480	101.003	13.526	
RDT&E Articles Quantity				

Continue Air Vehicle design and integration of avionics into the EA-18G.

EA-18G Software Development	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost	25.804	9.202	30.993	
RDT&E Articles Quantity				

Continue software development of the EA-18G.

EA-18G Developmental & Operational Testin	FY 08	FY 09	FY 10	
Accomplishments/Effort/Subtotal Cost	82.553	17.287	10.927	
RDT&E Articles Quantity				

Continue and complete developmental testing associated with System Design & Development. Begin and complete operational test planning. Begin and complete Operational Evaluation (OPEVAL).

EXHIBIT R-2a, RDT&E Project Justification		DATE: May 2009	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-5	PROGRAM ELEMENT NUMBER AND NAME 0604269N EA-18G	PROJECT NUMBER AND NAME 3063 EA-18G Development	
C. OTHER PROGRAM FUNDING SUMMARY:			
<u>Line Item No. & Name</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
EA-18G APN-1 (P-1 Item No 2)	1,474.596	1,547.224	1,611.837
EA-18G Adv. Procurement (P-1 Item No 3)	50.771	46.693	20.559
EA-18G APN-5 (P-1 Item No 33) OSIP (011-10)			2.552
D. ACQUISITION STRATEGY:			
<p>A sole source contract was awarded to Boeing (the platform manufacturer) for system design and development (SDD) under a Cost-Plus Incentive Fee/Award Fee (CPIF/AF) contract arrangement that provides incentives based on cost, schedule, and technical performance. Boeing has a subcontract with Northrop Grumman to incorporate Electronic Warfare/Electronic Attack systems into the Super Hornet. The contract has been structured to minimize the Navy's up-front investment and cancellation penalty, while reducing costs for the total program life cycle. In FY05, two F/A-18F's began modification with RDT&E funds to incorporate the Electronic Warfare/Electronic Attack systems for further development, integration, and testing. In FY06, an Engineering Change Proposal (using procurement funds) was incorporated into the SDD contract to procure the EA-18G unique airframe changes and Airborne Electronic Attack kits, respectively, for the 4 SDD aircraft. Also during FY06, groundwork for the eight (8) Low Rate Initial Production (LRIP) aircraft was initiated and a Request For Proposal (RFP) was released prior to the Milestone C authorization and awarded in the fourth quarter FY07. During FY08, a Request For Proposal (RFP) was generated and released prior to LRIP II Decision (Defense Acquisition Board (DAB) scheduled for 30 April 08). OPEVAL is scheduled to be complete in fourth quarter FY09. FY09 will be the last year for the SDD contract. The Full Rate Production (FRP) decision is scheduled for fourth quarter FY09. Contractual studies are underway for Operational Requirement Document core block II activities and those efforts will be integrated into the overall EA-18G plan/roadmap as resources permit.</p>			

Exhibit R-3 Cost Analysis (page 1)							DATE: May 2009						
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT				PROJECT NUMBER AND NAME						
RDT&E, N / BA-5			0604269N EA-18G				3063 EA-18G Development						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 09 Cost	FY 09 Award Date	FY 10 Cost	FY 10 Award Date						
GFE	VARIOUS	VARIOUS	2.008	0.064	VARIOUS	0.008	VARIOUS						
Primary Hdw Dev (ALQ-99)	WX	NSWC DET, CRANE IN	24.489	0.525	11/08								
Primary Hdw Dev (Aircraft)	SS/CPAF	BOEING, ST LOUIS, MO	900.870	49.003	10/08	4.300	10/09						
Primary Hdw Dev (Aircraft)	VARIOUS	VARIOUS	2.934	0.125	VARIOUS	0.056	VARIOUS						
SDD Award Fee	SS/CPAF	BOEING, ST LOUIS, MO	70.514	17.983	11/08								
Systems Engineering	WX	NAWCAD, LAKEHURST NJ	5.708	0.250	11/08	0.151	11/09						
Systems Engineering	WX	NAWCAD, PAX RIVER MD	24.790	2.822	11/08	1.615	11/09						
Systems Engineering	WX	NAWCWD, CHINA LAKE CA	72.941	9.382	11/08	1.724	11/09						
Systems Engineering	WX	NAWCWD, PT MUGU CA	43.035	5.668	11/08	0.880	11/09						
Systems Engineering	WX	NSWC DET, CRANE IN	11.081	1.490	11/08	0.418	11/09						
Subtotal Product Development			1,158.370	87.312		9.152							
Remarks: Primary Hardware development is based on the current value of the SDD contract plus a projection of additional future planned requirements. To date, 100% of the award fee has been awarded.													
Integrated Logistics Support	WX	VARIOUS	3.818	0.136	11/08	0.272	11/09						
Software Development	SS/CPFF	BOEING, ST LOUIS, MO	181.235	9.202	11/08	30.993	11/09						
Subtotal Support			185.053	9.338		31.265							
Remarks: Target values of contract includes current items on contract and projected additions.													

Exhibit R-3 Cost Analysis (page 2)							DATE: May 2009						
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME							
RDT&E, N / BA-5			0604269N EA-18G			3063 EA-18G Development							
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY's Cost	FY 09 Cost	FY 09 Award Date	FY 10 Cost	FY 10 Award Date						
Dev Test & Eval	MIPR	NASA AMES	3.016										
Dev Test & Eval	MIPR	VARIOUS	2.235	0.147	11/08								
Developmental Test & Eval	WX	NAWCAD, PAX RIVER MD	105.306	3.677	11/08	2.645	11/09						
Developmental Test & Eval	WX	NAWCWD, CHINA LAKE	70.409	12.622	11/08	7.841	11/09						
Operational Test & Evaluation	WX	COTF, NORFOLK VA	3.990	10.115	11/08	0.441	11/09						
Subtotal T&E			184.956	26.561		10.927							
Remarks:													
Contractor Engineering Support	VARIOUS	VARIOUS	10.693	1.703	11/08	0.698	11/09						
Government Engineering Support	WX	NAWCAD, PAX RIVER MD	27.497	1.561	11/08	1.235	11/09						
Government Engineering Support	WX	VARIOUS	1.191										
Program Management Support	WX	NAWCAD, PAX RIVER MD	19.461	0.904	11/08	1.957	11/09						
Travel	WX	VARIOUS	1.758	0.113	VARIOUS	0.212	VARIOUS						
Subtotal Management			60.600	4.281		4.102							
Remarks:													
Total Cost			1,588.979	127.492		55.446							
Remarks:													

EXHIBIT R4, Schedule Profile													DATE: May 2009			
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-5					PROGRAM ELEMENT NUMBER AND NAME 0604269N EA-18G					PROJECT NUMBER AND NAME 3063 EA-18G Development						
Fiscal Year	2008				2009				2010							
	1	2	3	4	1	2	3	4	1	2	3	4				
Acquisition Milestones								IOC ★ FRP ▲								
Development Phases	[Redacted]				SDD				Full Rate Production							
	Integrated Broadcast System (IBS) Development & Demonstration															
Test & Evaluation Milestones																
Development Test	[Redacted]				IBS DT											
Operational Test	▲ IT-C1				SDD OPEVAL						IBS OT					
Production Milestones	SDD Aircraft Contract Award															
SDD FY 06	▲ AEA Kit Award															
LRIP I FY 07	LRIP I AEA Kit Award															
LRIP II FY 08	▲ LRIP II				LRIP II AEA KIT AWARD											
FRP FY 09					▲ FRP A/C Award				▲ FRP AEA Kit AWARD							
Deliveries	SDD (4)				LRIP I Deliveries				LRIP II (18) Deliveries							

EXHIBIT R-2a, RDT&E Project Justification							DATE: May 2009													
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-5		PROGRAM ELEMENT NUMBER AND NAME 0604269N EA-18G			PROJECT NUMBER AND NAME 9999 Congressional Add															
COST (\$ in Millions)		FY 2008	FY 2009	FY 2010																
Project Cost		1.542	1.197																	
RDT&E Articles Qty																				
<p>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Congressional Adds</p> <p>B. Accomplishments/Planned Program</p> <table border="1" style="width:100%; border-collapse: collapse; margin-bottom: 10px;"> <tr> <td style="width: 70%;">9A33A: Next Generation Electronic Warfare Simulatio</td> <td style="width: 10%;">FY 08</td> <td style="width: 10%;">FY 09</td> <td style="width: 10%;"></td> </tr> <tr> <td>Accomplishments/Effort/Subtotal Cost</td> <td style="text-align: center;">1.542</td> <td style="text-align: center;">1.197</td> <td></td> </tr> <tr> <td>RDT&E Articles Quantity</td> <td></td> <td></td> <td></td> </tr> </table> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>Provides Radio Frequency (RF) threat generation capabilities for the EA-18G Advanced Weapons Laboratory team to validate and verify the performance of mission critical Electronic Warfare systems.</p> </div>									9A33A: Next Generation Electronic Warfare Simulatio	FY 08	FY 09		Accomplishments/Effort/Subtotal Cost	1.542	1.197		RDT&E Articles Quantity			
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