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CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification							DATE: February 2008	
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-5					R-1 ITEM NOMENCLATURE 0604269N EA-18G			
COST (\$ in Millions)		FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total PE Cost		361.037	278.469	128.906	48.394	27.452	21.922	22.230
3063 EA-18G Development		359.726	276.880	128.906	48.394	27.452	21.922	22.230
9999 Congressional Add		1.311	1.589					

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:
The EA-18G is designed to replace the EA-6B aircraft. The EA-18G's electronic attack upgrades will 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 will have 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. PROGRAM CHANGE SUMMARY:

Funding:	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
FY2008 President's Budget:	372.315	272.699	135.226
FY2009 President's Budget:	361.037	278.469	128.906
Total Adjustments	-11.278	5.770	-6.320

Summary of Adjustments

Congressional Reductions			
Congressional Rescissions			
Congressional Undistributed Reductions	-5.878	-1.743	
Congressional Increases		1.600	
Economic Assumptions			-0.283
Miscellaneous Adjustments	-5.400	5.913	-6.037
Subtotal	-11.278	5.770	-6.320

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<p>Schedule:</p> <p>The FY07 Milestone C activity slipped a quarter due to a schedule conflict with the Milestone Decision Authority (MDA) . Also, the System Development and Demonstration (SDD) Production Deliveries were extended to reflect Milestone/Program Review in third quarter FY08 and subsequent buys of Peculiar Ground Support Equipment. (PGSE).</p> <p>Technical:</p> <p>Not applicable.</p>		

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-5		PROGRAM ELEMENT NUMBER AND NAME 0604269N EA-18G			PROJECT NUMBER AND NAME 3063 EA-18G Development																											
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EXHIBIT R-2a, RDT&E Project Justification			DATE: February 2008	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-5	PROGRAM ELEMENT NUMBER AND NAME 0604269N EA-18G	PROJECT NUMBER AND NAME 3063 EA-18G Development		

EA-18G Developmental & Operational Testing	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	67.914	78.419	27.278
RDT&E Articles Quantity			

Continue and complete developmental testing associated with SDD. Begin and complete operational test planning. Begin and complete OPEVAL.

C. OTHER PROGRAM FUNDING SUMMARY:

	FY2007	FY2008	FY2009	FY2010	FY2011	FY2011	FY2012	FY2013	Complete	Cost
EA-18G APN-1 (P-1 Line Item #2)	696.108	1,257.453	1,604.800	1,593.936	886.157	20.494	14.999			6,399.378
EA-18G Advance Procurement (P-1 Line Item #3)	39.593	50.771	46.831	20.986						192.517
EA-18G APN-5 (P-1 Line Item #28) OSIP (006-11)					4.095	4.491	4.594			13.180

D. ACQUISITION STRATEGY:

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. 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.

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Exhibit R-3 Cost Analysis (page 1)									DATE: February 2008			
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 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
GFE	VARIOUS	VARIOUS	1.908	0.050	VARIOUS	0.050	VARIOUS	0.064	VARIOUS	0.023	2.095	
Primary Hdw Dev (ALQ-99)	WX	NSWC DET, CRANE IN	18.026	3.995	11/06	2.468	11/07	0.525	11/08		25.014	
Primary Hdw Dev (Aircraft)	SS/CPAF	MDA, ST LOUIS, MO	643.646	158.858	10/06	100.224	10/07	49.003	10/08	6.300	958.031	958.031
Primary Hdw Dev (Aircraft)	VARIOUS	VARIOUS	1.842	0.675	VARIOUS	0.417	VARIOUS	0.125	VARIOUS	0.175	3.234	
SDD Award Fee	SS/CPAF	MDA, ST LOUIS, MO	25.300	19.868	11/06	25.346	11/07	17.983	11/08		88.497	88.497
Systems Engineering	WX	NAWCAD, LAKEHURST NJ	2.998	1.675	11/06	1.035	11/07	0.250	11/08	0.469	6.427	
Systems Engineering	WX	NAWCAD, PAX RIVER MD	18.555	3.854	11/06	2.381	11/07	2.822	11/08	5.025	32.637	
Systems Engineering	WX	NAWCWD, CHINA LAKE CA	26.308	27.513	11/06	19.120	11/07	9.382	11/08	5.364	87.687	
Systems Engineering	WX	NAWCWD, PT MUGU CA	22.896	12.325	11/06	7.814	11/07	5.668	11/08	2.739	51.442	
Systems Engineering	WX	NSWC DET, CRANE IN	9.007	1.035	11/06	1.039	11/07	1.490	11/08	1.301	13.872	
Subtotal Product Development			770.486	229.848		159.894		87.312		21.396	1,268.936	
<p>Remarks: Primary Hardware development is based on the current value of the SDD contract plus a projection of additional future planned requirements. To date, 55.7% of the award fee has been awarded. An additional 9.8% is scheduled to be awarded in second quarter FY08; 25.5% is scheduled for award in fourth quarter FY08, and the remaining 9.0% is scheduled for the first quarter FY09.</p>												
Integrated Logistics Support	WX	VARIOUS	2.266	0.902	11/06	0.650	11/07	0.136	11/08	1.177	5.131	
Software Development	SS/CPFF	MDA, ST LOUIS, MO	109.171	46.260	11/06	25.804	11/07	9.402	11/08	54.033	244.670	244.670
Subtotal Support			111.437	47.162		26.454		9.538		55.210	249.801	
<p>Remarks: Target values of contract includes current items on contract and projected additions.</p>												

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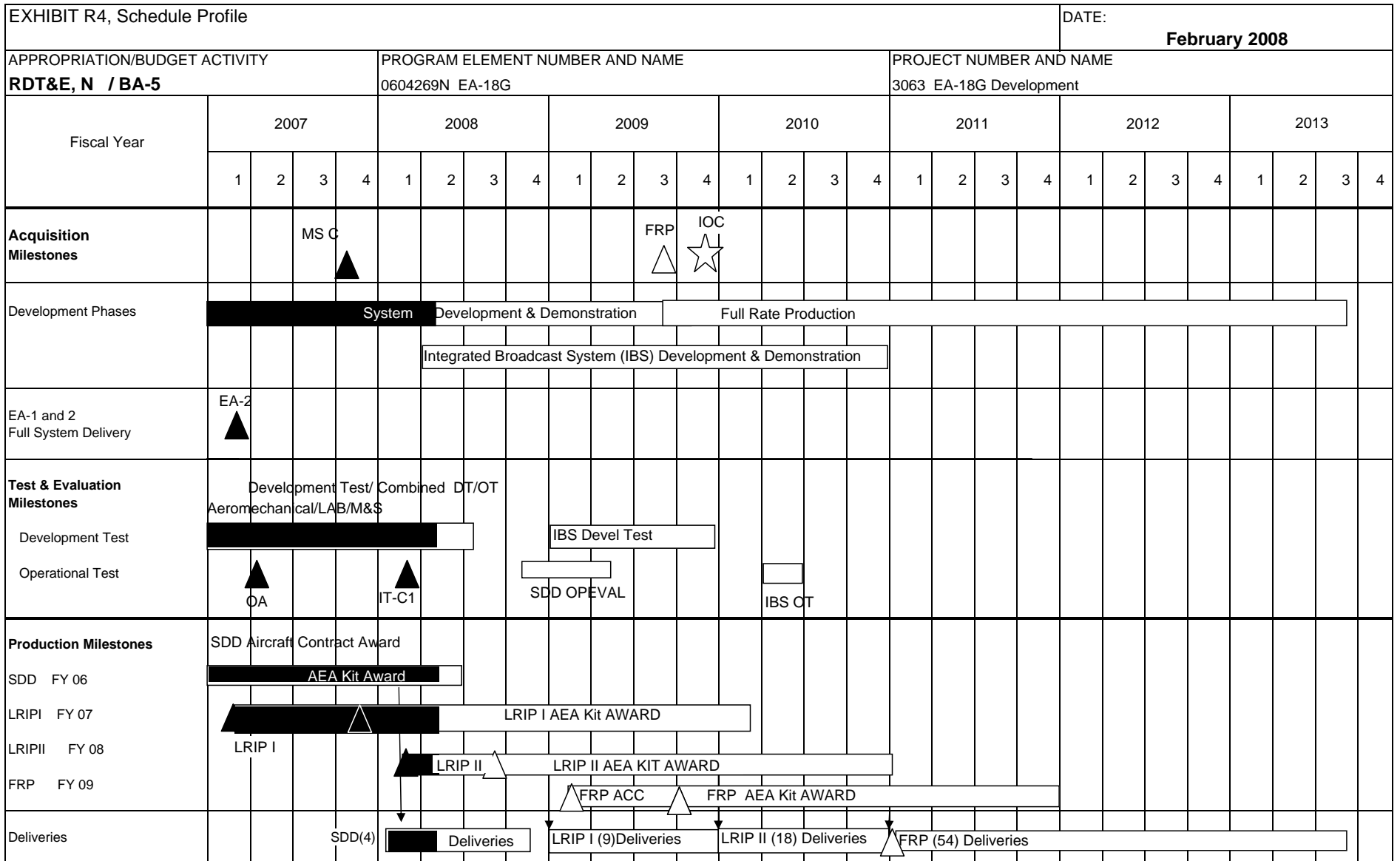
Exhibit R-3 Cost Analysis (page 2)										DATE: February 2008			
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-5			PROGRAM ELEMENT 0604269N EA-18G			PROJECT NUMBER AND NAME 3063 EA-18G Development							
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract	
Dev Test & Eval	MIPR	NASA AMES	3.016								3.016		
Dev Test & Eval	MIPR	VARIOUS	1.750	0.240	11/06	0.245	11/07	0.147	11/08		2.382		
Developmental Test & Eval	WX	NAWCAD, PAX RIVER MD	36.580	54.082	11/06	14.644	11/07	3.677	11/08	8.813	117.796		
Developmental Test & Eval	WX	NAWCWD, CHINA LAKE		12.535	11/06	61.975	11/07	13.122	11/08	26.080	113.712		
Operational Test & Evaluation	WX	COTF, NORFOLK VA	1.378	1.057	11/06	1.555	11/07	10.332	11/08	1.303	15.625		
Subtotal T&E			42.724	67.914		78.419		27.278		36.196	252.531		
Remarks:													
Contractor Engineering Support	VARIOUS	VARIOUS	6.343	2.100	11/06	2.250	10/07	1.900	11/08	1.519	14.112		
Government Engineering Support	WX	NAWCAD, PAX RIVER MD	12.954	7.627	11/06	5.725	11/07	1.761	11/08	2.241	30.308		
Government Engineering Support	WX	VARIOUS	1.191								1.191		
Program Management Support	WX	NAWCAD, PAX RIVER MD	11.108	4.575	11/06	3.778	11/07	1.004	11/08	3.806	24.271		
Travel	WX	VARIOUS	0.898	0.500	VARIOUS	0.360	VARIOUS	0.113	VARIOUS	0.411	2.282		
Subtotal Management			32.494	14.802		12.113		4.778		7.977	72.164		
Remarks:													
Total Cost			957.141	359.726		276.880		128.906		120.779	1,843.432		
Remarks:													

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COST (\$ in Millions)		FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost		1.311	1.589					
RDT&E Articles Qty								
A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Congressional Adds								

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B. Accomplishments/Planned Program			
9A33N Next Generation EW Simulation	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	1.311		
RDT&E Articles Quantity			
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.			
9999 Next Generation Electronic Warfare Simulation	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost		1.589	
RDT&E Articles Quantity			
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.			

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