

CLASSIFICATION:

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[illegible]

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 weapons High-speed Anti-Radiation Missile (HARM) to fulfill operational requirements. The man in the loop operation and advanced information display system will allow real time assessment of the tactical situation and the appropriate response executed in accordance with the rules of engagement. The EA-18G will have the capability to operate autonomously or as a major node in a network-centric operation. 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. It will also have the capacity to provide broad area coverage for extended periods of time to support numerous strikes or other air operations in a federated context. The EA-18G is being designed to perform a range of Electronic Warfare/Electronic Attack functions either simultaneously or independently.

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EXHIBIT R-2a, RDT&E Project Justification							DATE: February 2006	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-5	PROGRAM ELEMENT NUMBER AND NAME 0604269N EA-18G				PROJECT NUMBER AND NAME 3063 EA-18G DEVELOPMENT			
COST (\$ in Millions)		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Project Cost		346.526	393.860	372.363	268.095	84.156	86.528	82.453
RDT&E Articles Qty								

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B. Accomplishments/Planned Program																			
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Start developmental testing/operational testing and planning for the EA-18G.																			

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EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2006
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. PROGRAM CHANGE SUMMARY:

Funding:	FY 05	FY 06	FY 07
Previous President's Budget:	353.679	409.097	372.023
Current BES/President's Budget	346.526	393.860	372.363
Total Adjustments	-7.153	-15.237	0.340
Summary of Adjustments			
Congressional Reductions		-9.097	
Congressional Rescissions			
Congressional Undistributed Reductions	-7.822	-4.277	
Congressional Increases			
Economic Assumptions		-1.863	5.807
Miscellaneous Adjustments	0.669		-5.467
Subtotal	-7.153	-15.237	0.340

Schedule:

Not Applicable.

Technical:

Not Applicable.

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Exhibit R-3 Cost Analysis (page 1)								DATE:				
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 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hdw Development(Aircraft)	SS/CPAF	MDA- ST LOUIS	159.155	230.814	10/04	253.677	10/05	166.172	10/06	209.840	1,019.658	1,019.658
SDD Award Fee	SS/CPAF	MDA- ST LOUIS		13.100	10/04	12.200	12/05	19.868	12/06	42.718	87.886	87.886
Primary Hdw Development(Aircraft)	Various	Various	0.320	0.922	12/04	0.600	12/05	0.675	12/06	0.300	2.817	
Primary Hdw Development(ALQ-99)	WX	NSWC CRANE	3.028	8.403	11/04	6.595	11/05	8.526	11/06	8.095	34.647	
Systems Engineering	WX	NAWCWD-CHINA LAKE	6.822	9.157	10/04	10.329	10/05	29.873	10/06	39.791	95.972	
Systems Engineering	WX	NSWC CRANE	1.242	6.848	11/04	0.917	11/05	3.500	11/06	5.156	17.663	
Systems Engineering	WX	NAWCWD-POINT MUGU	4.878	7.640	11/04	10.378	11/05	11.350	11/06	15.535	49.781	
Systems Engineering	WX	NAWCAD- PAX RIVER	2.081	7.500	11/04	9.200	11/05	8.400	11/06	20.304	47.485	
Systems Engineering	WX	NAWCAD- LAKEHURST	2.198	0.600	12/04	0.200	11/05	2.921	11/06	3.780	9.699	
GFE	Various	Various	1.308	0.600	Various			0.200	11/06	0.150	2.258	
											0.000	
Subtotal Product Development			181.032	285.584		304.096		251.485		345.669	1,367.866	
Remarks:												
											0.000	
Software Development	SS/CPFF	MDA-ST LOUIS	25.569	43.219	10/04	42.383	10/05	45.734	10/06	42.951	199.856	199.856
Integrated Logistics Support	WX	Various	0.498	0.860	11/04	0.908	11/05	0.902	11/06	2.686	5.854	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal Support			26.067	44.079		43.291		46.636		45.637	205.710	
Remarks:												

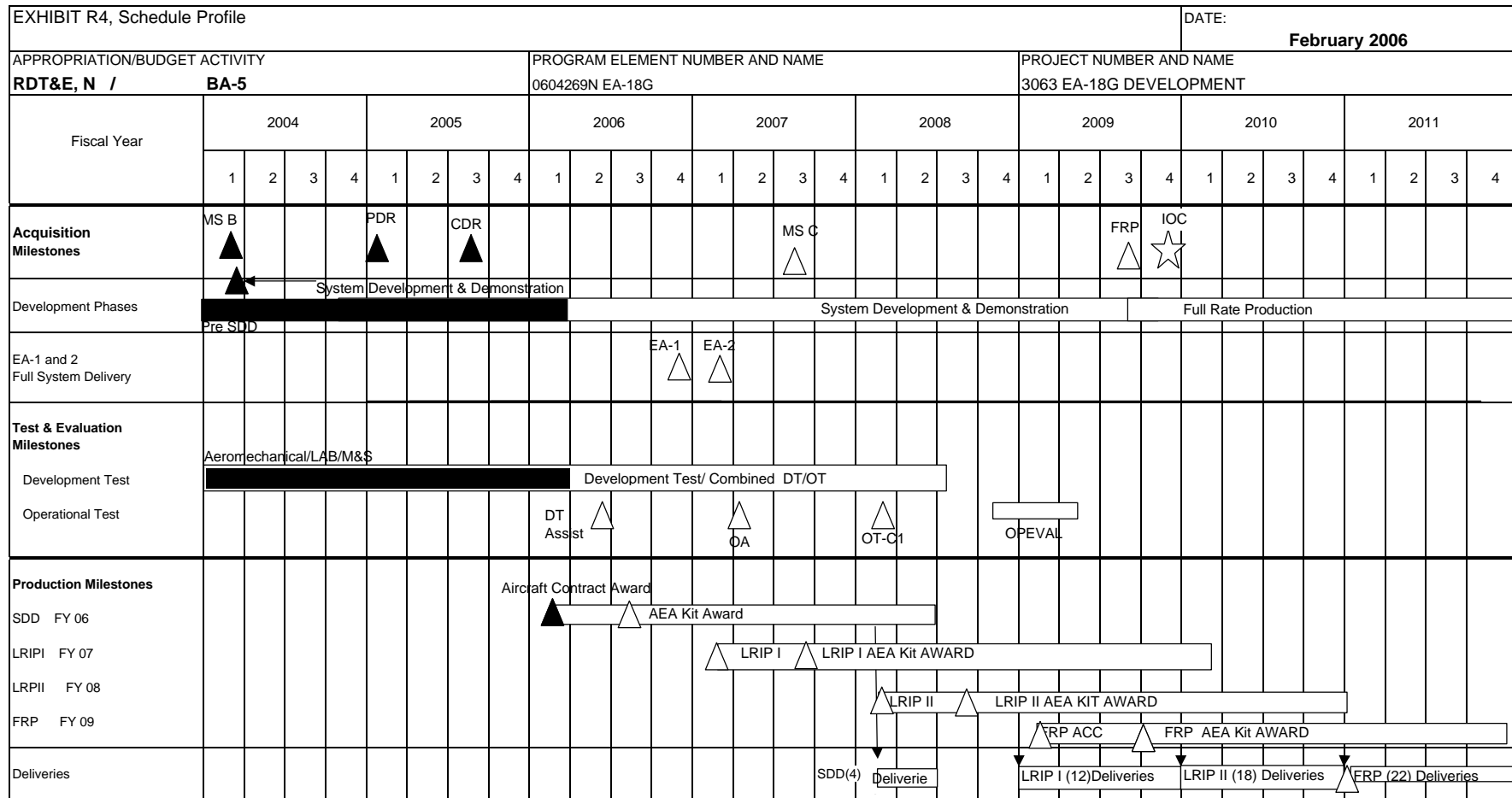
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Exhibit R-3 Cost Analysis (page 2)										DATE: February 2006			
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT				PROJECT NUMBER AND NAME						
RDTE, N / BA-5			0604269N EA-18G				3063 EA-18G DEVELOPMENT						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract	
Developmental Test & Evaluation	WX	NAWCAD-PAX RIVER	2.034	4.708	10/04	32.350	11/05	48.186	11/06	57.972	145.250		
Developmental Test & Evaluation	WX	NAWCWD-CHINA LAKE						9.046	11/06	11.216	20.262		
Developmental Test & Evaluation	MIPR	AEDC, TN	0.750	1.000	11/04						1.750		
Developmental Test & Evaluation	MIPR	NASA AMES	3.016								3.016		
Operational Test & Evaluation	WX	OPTEVFOR , NORFOLK VA	0.598	0.240	12/04	0.540	11/05	0.815	11/06	11.987	14.180		
											0.000		
											0.000		
Subtotal T&E			6.398	5.948		32.890		58.047		81.175	184.458		
Remarks:													
Contractor Engineering Support	Various	Various	2.673	1.575	12/04	2.095	11/05	2.148	11/06	9.042	17.533		
Program Management Support	WX	NAWCAD-PAX RIVER	3.238	3.000	11/04	4.870	11/05	5.247	11/06	13.789	30.144		
Government Engineering Support	WX	NAWCAD-PAX RIVER	1.627	6.000	12/04	6.518	11/05	8.300	11/06	23.733	46.178		
Travel	WX	NAVAIR, PAX RIVER MD	0.458	0.340	VAR	0.100	VAR	0.500	VAR	1.355	2.753		
											0.000		
											0.000		
Subtotal Management			7.996	10.915		13.583		16.195		47.919	96.608		
Remarks:													
Total Cost			221.493	346.526		393.860		372.363		520.400	1,854.642		
Remarks:													

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Exhibit R-4a, Schedule Detail						DATE: February 2006		
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-5	PROGRAM ELEMENT 0604269N EA-18G				PROJECT NUMBER AND NAME 3063 EA-18G DEVELOPMENT			
Schedule Profile	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Pre System Development & Demonstration Phase (Pre-SDD)	1Q							
System Development & Demonstration Phase(SDD)	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-3Q		
Developmental Testing	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q				
Milestone B (MSB)	1Q							
Preliminary Design Review (PDR)		1Q						
Critical Design Review (CDR)		3Q						
SDD Aircraft & Contract Award	1Q		1Q					
Development Test(DT) Assist			2Q					
SDD Production (AEA) Contract Award			3Q					
EA-1 Delivery			4Q					
EA-2 Delivery				1Q				
LRIP I Aircraft Contract Award (Funded in APN-1)				1Q				
Operational Assessment (OA)				2Q				
Milestone C (MSC)				3Q				
Start Low-Rate Initial Production II (LRIPII)					1Q			
Operational Testing (OT-C1)					1Q			
SDD Production Delivery (funded in APN-1)					1Q			
Operational Evaluation (OPEVAL)					4Q	1Q-2Q		
FRP Aircraft Contract Award						3Q		
Low-Rate Initial Production I Delivery						1Q-4Q		
Full Rate Production (FRP) Decision						3Q		
FRP AEA Contract Award						4Q		
IOC						4Q		
Full Rate Production (FRP) Delivery								1Q

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Exhibit R-4a, Schedule Detail
(Exhibit R-4a, page 9 of 9)