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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>				PE 0604269N: <i>EA-18 Squadrons</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	55.532	22.042	17.100	-	17.100	13.136	15.619	16.374	16.507	Continuing	Continuing
3063: <i>EA-18G Development</i>	53.939	22.042	17.100	-	17.100	13.136	15.619	16.374	16.507	Continuing	Continuing
9999: <i>Congressional Adds</i>	1.593	-	-	-	-	-	-	-	-	0.000	1.593

A. Mission Description and Budget Item Justification

The EA-18G is replacing the EA-6B aircraft. The EA-18G's electronic attack upgrades the EA-6B Airborne Electronic Attack capability to detect, identify, locate and suppress hostile emitters.

Congressional Add:

9A33A Next Generation Electronic Warfare Simulator. Provides Radio Frequency threat generation capabilities for the EA-18G Advanced Weapons Laboratory team to validate and verify the performance of mission critical Electronic Warfare systems.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	56.809	22.042	16.783	-	16.783
Current President's Budget	55.532	22.042	17.100	-	17.100
Total Adjustments	-1.277	-	0.317	-	0.317
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.159	-			
• Program Adjustments	0.269	-	0.642	-	0.642
• Section 219 Reprogramming	-0.386	-	-	-	-
• Rate/Misc Adjustments	-	-	-0.325	-	-0.325
• Congressional General Reductions	-0.001	-	-	-	-
Adjustments					

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 9999: *Congressional Adds*

Congressional Add: *Next Generation Electronic Warfare Simulator*

FY 2010	FY 2011
1.593	-

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>		R-1 ITEM NOMENCLATURE PE 0604269N: <i>EA-18 Squadrons</i>	
<u>Congressional Add Details (\$ in Millions, and Includes General Reductions)</u>		FY 2010	FY 2011
Congressional Add Subtotals for Project: 9999		1.593	-
Congressional Add Totals for all Projects		1.593	-
<u>Change Summary Explanation</u> Technical: Not applicable. Schedule: Operational Testing for Integrated Broadcast Service has moved to 4th Quarter FY2011 due to clarification of the Integrated Master Schedule.			

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604269N: EA-18 Squadrons				PROJECT 3063: EA-18G Development			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
3063: EA-18G Development	53.939	22.042	17.100	-	17.100	13.136	15.619	16.374	16.507	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
The EA-18G is replacing the EA-6B aircraft. The EA-18G electronic attack upgrades the 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 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, 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 Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: EA-18G Design and Avionics Integration Articles: Description: 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. Funding will be utilized for design and integration of avionics systems into the EA-18G. FY 2010 Accomplishments: Continued Air Vehicle design and integration of avionics into the EA-18G. FY 2011 Plans: Continue Air Vehicle design and integration of avionics into the EA-18G. FY 2012 Plans: Continue Air Vehicle design and integration of avionics into the EA-18G.								13.084	6.098	6.033	
								0	0	0	
Title: EA-18G Software Development Articles: Description: Funding will be utilized to develop to software capabilities for the EA-18G. FY 2010 Accomplishments:								30.156	9.514	7.009	
								0	0	0	

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy										DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604269N: EA-18 Squadrons				PROJECT 3063: EA-18G Development				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2010	FY 2011	FY 2012
Continued software development of the EA-18G. FY 2011 Plans: Continue software development of the EA-18G. FY 2012 Plans: Continue software development of the EA-18G.												
Title: EA-18G Developmental & Operational Testing Articles:										10.699 0	6.430 0	4.058 0
Description: Funding will be utilized to support required test phases of the EA-18G. FY 2010 Accomplishments: Continued operational test planning. FY 2011 Plans: Continue operational test planning. FY 2012 Plans: Continue operational test planning.												
Accomplishments/Planned Programs Subtotals										53.939	22.042	17.100
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost	
• APN/014300: EA-18G	1,606.833	1,028.801	1,079.364	0.000	1,079.364	1,007.386	6.442	8.199	0.000	0.000	8,765.816	
• APN/05250: F-18 Series (OSIP 011-10)	2.520	8.761	9.368	0.000	9.368	9.719	7.290	5.199	5.290	0.000	48.147	
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 AEA kits, respectively, for the 4 SDD aircraft. Also during FY06, groundwork												

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604269N: <i>EA-18 Squadrons</i>	PROJECT 3063: <i>EA-18G Development</i>
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 RFP was generated and released prior to LRIP II Decision (DAB 30 April 08). Operational Evaluation started in September FY08 and was completed in May of FY09. FY09 was the last year for the SDD contract. The program achieved Full Rate Production (FRP) in November 2009. 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. <u>E. Performance Metrics</u> Completion of FRP Delivery scheduled for 3rd Quarter FY2013.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy											DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT					
1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				PE 0604269N: EA-18 Squadrons				3063: EA-18G Development					
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
GFE	WR	NSWC Det:Crane, IN	2.080	0.005	Feb 2011	-		-		-	0.020	2.105	
Primary Hdw Dev (ALQ-99)	WR	NSWC Det:Crane, IN	25.014	-		-		-		-	0.000	25.014	
Primary Hdw Dev (Aircraft)	SS/CPAF	Boeing:St. Louis, MO	954.118	1.651	Jan 2011	1.242	Jan 2012	-		1.242	0.000	957.011	957.011
Primary Hdw Dev (Aircraft)	Various	Various:Various	3.115	0.041	Feb 2011	-		-		-	0.156	3.312	
SDD Award Fee	SS/CPAF	Boeing:St. Louis, MO	88.497	-		-		-		-	0.000	88.497	88.497
Systems Engineering	WR	NAWCAD:Lakehurst, NJ	6.109	0.109	Nov 2010	-		-		-	0.412	6.630	
Systems Engineering	WR	NAWCAD:Pax River, MD	29.227	1.169	Nov 2010	0.748	Nov 2011	-		0.748	4.647	35.791	
Systems Engineering	WR	NAWCWD:China Lake, CA	79.482	1.248	Nov 2010	0.799	Nov 2011	-		0.799	4.943	86.472	
Systems Engineering	WR	NAWCWD:Pt. Mugu, CA	48.583	0.637	Nov 2010	0.484	Nov 2011	-		0.484	2.408	52.112	
Systems Engineering	WR	NSCW Det:Crane, IN	13.709	0.303	Nov 2010	0.230	Nov 2011	-		0.230	1.144	15.386	
Subtotal			1,249.934	5.163		3.503		-		3.503	13.730	1,272.330	
Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Integrated Logistics Support	WR	Various:Various	4.226	0.650	Nov 2010	0.494	Nov 2011	-		0.494	2.600	7.970	
Software Development	SS/CPFF	Boeing:St. Louis, MO	221.301	9.514	Nov 2010	7.397	Jan 2012	-		7.397	22.961	261.173	261.173
Subtotal			225.527	10.164		7.891		-		7.891	25.561	269.143	
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Eval	MIPR	NASA Ames Research:CA	3.016	-		-		-		-	0.000	3.016	

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APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604269N: EA-18 Squadrons				PROJECT 3063: EA-18G Development					
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Eval	MIPR	Various:Various	2.382	-		-		-		-	0.000	2.382	
Developmental Test & Eval	WR	NAWCAD:Pax River, MD	111.605	1.823	Nov 2010	1.820	Nov 2011	-		1.820	7.997	123.245	
Developmental Test & Eval	WR	NAWCWD:China Lake, CA	88.849	2.324	Nov 2010	2.018	Nov 2011	-		2.018	13.869	107.060	
Operational Test & Eval	WR	COTF:Norfolk, VA	9.546	0.283	Nov 2010	0.220	Nov 2011	-		0.220	1.132	11.181	
Subtotal			215.398	4.430		4.058		-		4.058	22.998	246.884	
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Engineering Support	Various	Various:Various	11.784	0.428	Nov 2010	0.321	Nov 2011	-		0.321	1.914	14.447	
Government Engineering Support	WR	NAWCAD:Pax River, MD	30.293	1.073	Nov 2010	0.731	Nov 2011	-		0.731	4.491	36.588	
Government Engineering Support	WR	Various:Various	1.191	-		-		-		-	0.000	1.191	
Program Management Support	WR	NAWCAD:Pax River, MD	21.601	0.632	Nov 2010	0.480	Nov 2011	-		0.480	2.730	25.443	
Program Management Support	WR	CNAF:Whidbey Island, WA	0.150	-		-		-		-	0.000	0.150	
Travel	WR	Various:Various	2.287	0.152	Nov 2010	0.116	Nov 2011	-		0.116	0.666	3.221	
Subtotal			67.306	2.285		1.648		-		1.648	9.801	81.040	
			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			1,758.165	22.042		17.100		-		17.100	72.090	1,869.397	
Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604269N: <i>EA-18 Squadrons</i>	PROJECT 3063: <i>EA-18G Development</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Navy			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604269N: <i>EA-18 Squadrons</i>	PROJECT 3063: <i>EA-18G Development</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>EA-18G Development</i>				
Systems Development: Hardware/Software: System Development & Demonstration Phase (SDD)	1	2010	4	2010
Systems Development: Hardware/Software: Integrated Broadcast System (IBS) Receiver Development and Demonstration Phase	1	2010	4	2010
Systems Development: Hardware/Software: IBS Receiver Operational Testing	4	2011	1	2012
Production Milestones: Full Rate Production	4	2010	3	2013
Production Milestones: Contract Awards: Full Rate Production (FRP) AEA Kit Award	1	2010	1	2010
Deliveries: Low Rate Initial Production II (LRIP 2 RD TEN) Delivery	1	2010	4	2010
Deliveries: FRP Delivery	1	2011	3	2013

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0604269N: <i>EA-18 Squadrons</i>				PROJECT 9999: <i>Congressional Adds</i>			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
9999: <i>Congressional Adds</i>	1.593	-	-	-	-	-	-	-	-	0.000	1.593
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification
Congressional Add.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2010	FY 2011
<i>Congressional Add:</i> Next Generation Electronic Warfare Simulator	1.593	-
<i>FY 2010 Accomplishments:</i> Provided Radio Frequency threat generation capabilities for the EA-18G Advanced Weapons Laboratory Team to validate and verify the performance of mission critical Electronic Warfare Systems.		
Congressional Adds Subtotals	1.593	-

C. Other Program Funding Summary (\$ in Millions)
N/A

D. Acquisition Strategy
Not required for Congressional Adds.

E. Performance Metrics
Not required for Congressional Adds.