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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy	DATE: February 2012
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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>
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COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	20.246	17.100	13.009	-	13.009	15.311	16.002	16.106	16.393	Continuing	Continuing
3063: <i>EA-18G Development</i>	20.246	17.100	13.009	-	13.009	15.311	16.002	16.106	16.393	Continuing	Continuing

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 (AEA) capability to detect, identify, locate and suppress hostile emitters.

B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	22.042	17.100	13.136	-	13.136
Current President's Budget	20.246	17.100	13.009	-	13.009
Total Adjustments	-1.796	-	-0.127	-	-0.127
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-1.000	-			
• SBIR/STTR Transfer	-0.396	-			
• Program Adjustments	-	-	-0.159	-	-0.159
• Rate/Misc Adjustments	-	-	0.032	-	0.032
• Congressional General Reductions Adjustments	-0.131	-	-	-	-
• Congressional Directed Reductions Adjustments	-0.269	-	-	-	-

Change Summary Explanation

Technical: Not applicable.

Schedule: Operational Testing for Integrated Broadcast Service scheduled to begin in 4th quarter 2011 is not required since effort has shifted to APN-5. Jamming Techniques Optimization is added as a multi-program project to analyze, develop, and improve current and future jamming techniques and tactics and is an ongoing effort. The schedule for the EA-18G unique H10 software build has been added to reflect required efficiency upgrades to AEA systems.

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy								DATE: February 2012			
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 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
3063: EA-18G Development	20.246	17.100	13.009	-	13.009	15.311	16.002	16.106	16.393	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 a replacement to the EA-6B aircraft. The EA-18G electronic attack aircraft upgrades the EA-6B (ALQ-218, ALQ-99, USQ-113) Airborne Electronic Attack 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 2011	FY 2012	FY 2013	
Title: EA-18G Design and Avionics Integration <div>Articles:</div> 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 2011 Accomplishments: Continued 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. FY 2013 Plans: Continue Air Vehicle design and integration of avionics into the EA-18G.								5.848	6.033	7.405	
								0	0	0	
Title: EA-18G Software Development <div>Articles:</div> Description: Funding will be utilized to develop to software capabilities for the EA-18G. FY 2011 Accomplishments: Continued software development of the EA-18G. FY 2012 Plans:								8.618	7.009	4.577	
								0	0	0	

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2011		FY 2012		FY 2013	
Continue software development of the EA-18G.													
FY 2013 Plans: Continue software development of the EA-18G.													
Title: EA-18G Developmental & Operational Testing								5.780		4.058		1.027	
Articles:								0		0		0	
Description: Funding will be utilized to support required test phases of the EA-18G.													
FY 2011 Accomplishments: Continued operational test planning.													
FY 2012 Plans: Continue operational test planning.													
FY 2013 Plans: Continue operational test planning.													
Accomplishments/Planned Programs Subtotals								20.246		17.100		13.009	
C. Other Program Funding Summary (\$ in Millions)													
Line Item		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost	
• APN/014300: EA-18G		955.262	994.596	1,027.443	0.000	1,027.443	21.970	8.111	0.000	0.000	0.000	8,651.090	
• APN/05250: F-18 Series (OSIP 011-10)		8.402	8.707	6.693	0.000	6.693	6.912	22.779	16.555	16.746	204.000	292.045	
• RDTEN/1662: F/A-18 Improvement		130.558	94.977	124.223	0.000	124.223	112.654	84.646	59.587	39.213	Continuing	Continuing	
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-18Fs 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 System Design and Development (SDD) aircraft. Also during FY06, groundwork for the eight (8) Low Rate Initial Production (LRIP) aircraft was initiated and a Request For Proposal (RFP)													

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<p>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.</p> <p><u>E. Performance Metrics</u></p> <p>Completion of FRP Delivery scheduled for 3rd Quarter FY2013.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy										DATE: February 2012			
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					
Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
Government Furnished Equipment	WR	NSWC Det:Crane, IN	2.080	-		-		-		-	0.000	2.080	
Primary Hardware (H/W) Development (ALQ-99)	WR	NSWC Det:Crane, IN	25.014	-		-		-		-	0.000	25.014	
Primary H/W Dev (Aircraft)	SS/CPAF	Boeing:St. Louis, MO	954.118	1.242	Jan 2012	-		-		-	0.000	955.360	955.360
Primary H/W Dev (Aircraft)	Various	Various:Various	3.156	-		-		-		-	0.000	3.156	
System Design and Development Award Fee	SS/CPAF	Boeing:St. Louis, MO	88.497	-		-		-		-	0.000	88.497	88.497
Systems Engineering	WR	NAWCAD:Lakehurst, NJ	6.109	-		-		-		-	0.000	6.109	
Systems Engineering	WR	NAWCAD:Pax River, MD	30.396	0.748	Nov 2011	0.014	Nov 2012	-		0.014	0.500	31.658	
Systems Engineering	WR	NAWCWD:China Lake, CA	80.230	0.799	Nov 2011	2.658	Nov 2012	-		2.658	1.832	85.519	
Systems Engineering	WR	NAWCWD:Pt. Mugu, CA	48.720	0.484	Nov 2011	4.250	Nov 2012	-		4.250	19.458	72.912	
Systems Engineering	WR	NSCW Det:Crane, IN	14.012	0.230	Nov 2011	0.275	Nov 2012	-		0.275	0.690	15.207	
Systems Engineering (JATO)	WR	Naval Research Laboratory:Washington, DC	1.072	-		0.599	Feb 2013	-		0.599	4.957	6.628	
Systems Engineering (JATO)	WR	NAVSEASYSKOM:Washington, DC	2.414	-		2.244	Feb 2013	-		2.244	13.267	17.925	
Subtotal			1,255.818	3.503		10.040		-		10.040	40.704	1,310.065	
Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	4.876	0.494	Nov 2011	-		-		-	2.600	7.970	
Software Development	SS/CPFF	Boeing:St. Louis, MO	230.419	7.397	Jan 2012	1.319	Jan 2013	-		1.319	22.961	262.096	262.096
Subtotal			235.295	7.891		1.319		-		1.319	25.561	270.066	

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Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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 & Evaluation (DT&E)	MIPR	NASA Ames Research:CA	3.016	-		-		-		-	0.000	3.016	
DT&E	MIPR	Various:Various	2.382	-		-		-		-	0.000	2.382	
DT&E	WR	NAWCAD:Pax River, MD	111.707	1.820	Nov 2011	-		-		-	7.997	121.524	
DT&E	WR	NAWCWD:China Lake, CA	91.173	2.018	Nov 2011	-		-		-	13.869	107.060	
Operational Test & Evaluation	WR	COTF:Norfolk, VA	9.829	0.220	Nov 2011	-		-		-	1.132	11.181	
Subtotal			218.107	4.058		-		-		-	22.998	245.163	
Management Services (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	12.212	0.321	Nov 2011	0.331	Nov 2012	-		0.331	1.248	14.112	
Government Engineering Support	WR	NAWCAD:Pax River, MD	31.366	0.731	Nov 2011	0.714	Nov 2012	-		0.714	4.491	37.302	
Government Engineering Support	WR	Various:Various	1.191	-		-		-		-	0.000	1.191	
Program Management Support	WR	NAWCAD:Pax River, MD	21.833	0.480	Nov 2011	0.515	Nov 2012	-		0.515	2.730	25.558	
Program Management Support	WR	CNAF:Whidbey Island, WA	0.150	-		-		-		-	0.000	0.150	
Travel	WR	Various:Various	2.439	0.116	Nov 2011	0.090	Nov 2012	-		0.090	0.666	3.311	
Subtotal			69.191	1.648		1.650		-		1.650	9.135	81.624	
			Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			1,778.411	17.100		13.009		-		13.009	98.398	1,906.918	

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	Total Prior Years Cost	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks									

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
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 2013 Navy			DATE: February 2012
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>EA-18G Development</i>				
Systems Development: Hardware/Software: JATO Technique Development	1	2011	4	2017
Systems Development: Hardware/Software: H10 Software Development	1	2011	2	2012
Test & Evaluation: H10 Integration Testing	2	2012	4	2013
Test & Evaluation: H10 OT	1	2014	3	2014
Production Milestones: Full Rate Production	1	2011	3	2013
Deliveries: FRP Delivery	1	2011	3	2013
Deliveries: Fleet Release H10	4	2014	4	2014