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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0605500N: Multi-mssn Maritime Aircraft (MMA) (P-8A)							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	6,637.136	595.532	421.102	317.358	-	317.358	356.817	228.890	214.093	195.076	Continuing	Continuing
2696: Multi-Mission Maritime Aircraft	6,604.439	550.268	341.621	185.217	-	185.217	163.599	48.509	25.410	10.692	0.000	7,929.755
3181: P-8A Spiral One Development	30.762	31.170	58.149	54.144	-	54.144	64.817	21.339	0.000	0.000	0.000	260.381
3218: P-8A Spiral 2 Development	1.935	4.094	21.332	77.997	-	77.997	128.401	159.042	188.683	184.384	Continuing	Continuing
9999: Congressional Adds	0.000	10.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	10.000
MDAP/MAIS Code(s): 334												
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
The P-8A Multi-mission Maritime Aircraft will replace the aging P-3 aircraft. The P-8A program was initiated in response to the Joint Requirements Oversight Council (JROC) validated Mission Needs Statement, "Broad Area Maritime and Littoral Armed Intelligence, Surveillance and Reconnaissance" and the requirements for the program are defined in the P-8A Capability Production Document #791-88-09, validated and approved on 22 June 2009. A successful Critical Design Review was completed in June 2007. In August 2007 the Design Readiness Review was conducted and resulted in approval to obligate funding for the fabrication of the Stage II flight test aircraft. The Interim Program Review (IPR) was completed on 7 April 2009 based on release of Acquisition Decision Memorandum. The first flight of P-8A occurred on 25 Apr 2009. Milestone (MS) C was successfully completed on 11 August 2010.												
The primary objectives of Systems Development and Demonstration (SDD) are to: perform the system detailed design, develop and produce Systems Integration Labs, develop and build ground and flight test articles, conduct ground and flight tests and prepare for milestones. Ground testing includes the conduct of static testing, fatigue testing and Live Fire Test and Evaluation. Six flight test aircraft have been built during SDD. These test aircraft are grouped into two stages based on which phase of the test program the aircraft will support. SDD Stage I flight test aircraft (FY06/Qty-3) support Integrated Test and Evaluation (IT&E). SDD Stage II flight test aircraft (FY09/Qty-3) support the completion of IT&E and Initial Operational Test and Evaluation (IOT&E) after being updated to the production configuration. The SDD contract includes the development and initial builds of training devices to support IOT&E. The scope of SDD includes activities necessary to facilitate an efficient transition of the fleet to achieve the P-8A Initial Operational Capability (IOC) of Increment 1 in CY13. The scope of SDD also includes the engineering and verification of correction of deficiencies identified in testing. P-8A entered Production and Deployment development phase in the 4th quarter of FY10 after completing MS-C Defense Acquisition Board.												

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0605500N: <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>
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P-8A program is based on an evolutionary acquisition strategy consisting of sequential incremental enhancements to system capabilities that will retain cost-wise effectiveness for winning major combat operations beyond 2020. In order to pace the threat, Increment 2, the Next Phase of Capabilities, will incorporate the following capabilities into the P-8A: Multi-Static Active Coherent (MAC), Automatic Identification System, Rapid Capabilities Insertion (RCI), updates to the Tactical Operations Center (TOC), as well as additional Anti-Submarine Warfare (ASW), Anti-Surface Warfare (ASuW) and Intelligence Surveillance and Reconnaissance capabilities as Engineering Change Proposals (ECPs). The scope of this effort includes the integration, design, and test of the capability enhancements to the P-8A and associated Tactical Operations Center ground support facilities and initial trainers. Integration of these capabilities will be accomplished incrementally, based on the scope of the integration effort.

As part of the P-8A evolutionary acquisition strategy, Increment 3 will incorporate the capabilities defined in the Capability Development Document approved by JROC on 25 June 2010. In order to pace the threat, the Increment 3 will incorporate the following capabilities into the P-8A: MAC, RCI, updates to the TOC, as well as additional ASW, ASuW and Intelligence Surveillance and Reconnaissance capabilities. These capabilities and other emergent capability requirements will be investigated during the Technology Development phase of Increment 3 for the P-8A and Tactical Operations Center (ground support facility).

Budget Activity 5.

JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under SYSTEM DEVELOPMENT AND DEMONSTRATION because it includes those projects that have passed Milestone B approval and are conducting engineering and manufacturing development tasks aimed at meeting validated requirement prior to full-rate production decision.

B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	618.684	421.102	269.733	-	269.733
Current President's Budget	595.532	421.102	317.358	-	317.358
Total Adjustments	-23.152	0.000	47.625	-	47.625
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-5.558	0.000			
• SBIR/STTR Transfer	-17.594	0.000			
• Program Adjustments	0.000	0.000	48.269	-	48.269
• Rate/Misc Adjustments	0.000	0.000	-0.644	-	-0.644

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

Project: 9999: *Congressional Adds*

Congressional Add: *Small Business Technology Insertion*

FY 2012	FY 2013
10.000	-

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<u>Congressional Add Details (\$ in Millions, and Includes General Reductions)</u>		FY 2012	FY 2013
Congressional Add Subtotals for Project: 9999		10.000	0.000
Congressional Add Totals for all Projects		10.000	0.000
<u>Change Summary Explanation</u>			
Technical: Not applicable.			
Schedule:			
Project 2696: Although Operational Test has initiated, official start of Initial Operational Test & Evaluation was moved to 4Q FY12 due to continued inefficiencies in Integrated Test & Evaluation execution. LRIP-3 moved from 3Q FY12 to 4Q FY12 and FRP Decision, FRP Contract Award and FRP have moved from 3Q FY13 to 4Q FY13.			
Project 3181: Based on current program profile, Technology Development Risk Reduction effort end date was moved from 2Q FY12 to 1Q FY13, Integration Engineering Manufacturing & Development (EMD) effort start date was moved from 3Q FY12 to 1Q FY13 and Integration EMD contract award was moved from 3QFY12 to 1Q FY13. Changed Retrofit Kits to Retrofit Kits Engineering Change Proposal (ECP1). Kit Delivery start date was moved from 2Q FY15 to 3Q FY14.			
Project 3218: Based on current program profile, MS-B changed from 3Q FY15 to 3Q FY16, Engineering Manufacturing & Development (EMD) start moved from 3Q FY15 to 3Q FY16, Contract Award (EMD) moved from 3Q FY15 to 3Q FY16, Preliminary Design Review PDR moved from 1Q FY15 to 1Q FY16 and Critical Design Review CDR moved from 4Q FY16 to 1Q FY17.			

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APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0605500N: Multi-mssn Maritime Aircraft (MMA) (P-8A)				PROJECT 2696: Multi-Mission Maritime Aircraft			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
2696: Multi-Mission Maritime Aircraft	6,604.439	550.268	341.621	185.217	-	185.217	163.599	48.509	25.410	10.692	0.000	7,929.755
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
The P-8A Multi-mission Maritime Aircraft (MMA) will replace the aging P-3 aircraft. The P-8A program was initiated in response to the Joint Requirements Oversight Council (JROC) validated Mission Needs Statement (MNS), "Broad Area Maritime and Littoral Armed Intelligence, Surveillance and Reconnaissance" and the requirements for the program are defined in the P-8A Capability Production Document (CPD) #791-88-09, validated and approved on 22 June 2009. A successful Critical Design Review was completed in June 2007. In August 2007 the Design Readiness Review was conducted and resulted in approval to obligate funding for the fabrication of the Stage II flight test aircraft. The Interim Program Review was completed on 7 April 2009 based on release of Acquisition Decision Memorandum. The first flight of P-8A occurred on 25 Apr 2009. Milestone (MS) C was successfully completed on 11 August 2010.												
The primary objectives of System Development and Demonstration (SDD) are to: perform the system detailed design, develop and produce Systems Integration Labs, develop and build ground and flight test articles, conduct ground and flight tests and prepare for milestones. Ground testing includes the conduct of static testing, fatigue testing and Live Fire Test and Evaluation. Six flight test aircraft have been built during SDD. These test aircraft are grouped into two stages based on which phase of the test program the aircraft will support. SDD Stage I flight test aircraft (FY06/Qty-3) support Integrated Test and Evaluation (IT&E). SDD Stage II flight test aircraft (FY09/Qty-3) support the completion of IT&E and Initial Operational Test and Evaluation (IOT&E) after being updated to the production configuration. The SDD contract includes the development and initial builds of training devices to support IOT&E. The scope of SDD includes activities necessary to facilitate an efficient transition of the fleet to achieve the P-8A Initial Operational Capability of Increment 1 in CY13. The scope of SDD also includes the engineering and verification of correction of deficiencies identified in testing. P-8A entered Production and Deployment development phase in the 4th quarter of FY10 after completing MS-C Defense Acquisition Board.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: Continue System Development & Demonstration									485.946	308.943	162.015	
									Articles: 0	0	0	
FY 2012 Accomplishments:												
SDD Phase. Scope of effort included: design, develop and test P-8A aircraft, avionics, mission systems, Systems Integration Labs (SILs), ground and flight test articles (SDD Stage I, FY06, Qty-3; SDD Stage II, FY09, Qty-3), other test articles, associated Tactical Operations Center (TOC) updates, and development and initial builds of training devices to support IOT&E. Conducted												

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APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)		R-1 ITEM NOMENCLATURE PE 0605500N: Multi-mssn Maritime Aircraft (MMA) (P-8A)	PROJECT 2696: Multi-Mission Maritime Aircraft		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013	FY 2014	
the periodic cost and schedule performance reviews associated with Earned Value Management and prepared and conducted technical, test and logistic reviews. FY 2013 Plans: SDD phase. Scope of effort includes: design and test P-8A SIL, ground and flight test articles (SDD Stage I, FY06, Qty-3; SDD Stage II, FY09, Qty-3), other test articles, associated TOC systems, and training devices to support continuation of engineering for correction of deficiencies and Follow On Test & Evaluation (FOT&E) and verification of correction of deficiencies. Conduct the periodic cost and schedule performance reviews associated with Earned Value Management (EVM) and prepare and conduct technical, test and logistic reviews. FY 2014 Plans: SDD phase. Scope of effort includes: ground and flight test articles (SDD Stage I, FY06, Qty-3; SDD Stage II, FY09, Qty-3), other test articles, associated TOC Systems, and training devices to support continuation of engineering for correction of deficiencies and FOT&E and verification of correction of deficiencies. Conduct the periodic cost and schedule performance reviews associated with EVM and prepare and conduct technical, test and logistic reviews.					
Title: Continue Engineering and Technical Development and Test for Sys Dev & Demonstration contracts Articles: FY 2012 Accomplishments: Continued analysis of contracted deliverables; directed technical and logistic support of system development and delivery; assessed contractors readiness to proceed in design/development; evaluated contract cost, schedule, and performance; tested preparations, provided necessary government furnished equipment and tested articles, assessed risk mitigation; program control; performance status; and planned and prepared for future Milestone/Decision Reviews and developed associated documentation. Modeling & Simulation tools developed to assess proposed risk mitigations. Conducted and supported Integrated Test & Evaluation (IT&E), Initial Operational Test & Evaluation (IOT&E) and Live Fire Test & Evaluation (LFT&E). FY 2013 Plans: Continue analysis of contracted deliverables; direct technical and logistic support of system development and delivery; assessment of contractors readiness to proceed in design/development; evaluate contract cost, schedule, and performance; test preparations, provide necessary government furnished equipment and test articles, risk assessment/mitigation; program control; performance status; and plan and prepare for future Milestone/Decision Reviews and develop associated documentation. Modeling & Simulation tools will be developed to assess proposed risk mitigations. Conduct and support IT&E, IOT&E, LFT&E and Follow-On Test & Evaluation (FOT&E). FY 2014 Plans:		64.322 0	32.678 0	23.202 0	

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2012	FY 2013	FY 2014
Continue analysis of contracted deliverables; direct technical and logistic support of system development test aircraft; engineering for correction of deficiencies; verification of correction of deficiencies; evaluate contract cost, schedule, and performance; test preparations, provide necessary government furnished equipment and test articles, risk assessment/mitigation; program control; and performance status. Conduct and support IT&E and FOT&E.												
Accomplishments/Planned Programs Subtotals										550.268	341.621	185.217
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost	
• APN1/0193: P-8A MMA	2,253.691	2,746.434	3,503.149		3,503.149	3,627.933	3,341.806	2,790.552	2,173.871	1,766.600	25,917.974	
• APN6/0605: P-8A Initial Spares	62.307	90.691	21.858		21.858	18.265	2.300	27.342	0.000	0.000	426.561	
• MILCON: P-8A MILCON	31.239	0.000	105.919		105.919	117.707	69.324	0.000	0.000	0.000	330.106	
Remarks												
D. Acquisition Strategy The MMA Milestone 0 was approved 22 March 2000 and the resulting Acquisition Decision Memorandum directed P-8A to begin the Concept Exploration phase consisting of an Analysis of Alternatives and industry concept studies. These activities began 3Q/01 and were funded under Program Element 0702207N Project Unit W2737. Approval to enter Component Advance Development (CAD) was attained from the Overarching Integrated Product Team on 18 Jan 2002 and the Milestone Decision Authority Under Secretary of Defense for Acquisition, Technology, & Logistics approved the program Acquisition Strategy on 8 Feb 2002. The CAD was a competitive award to multiple contractors to define alternative MMA concept system architectures and evaluate associated risks and proposed mitigations. Selection of MMA concept and approval to enter SDD phase occurred at MS B decision review on 28 May 2004. The contract was awarded to Boeing on 14 June 2004. The SDD phase is being used to design, develop and test the P-8A system. The P-8A program was initiated in response to the Joint Requirements Oversight Council validated Mission Needs Statement, "Broad Area Maritime and Littoral Armed Intelligence, Surveillance and Reconnaissance" and the requirements for the program are defined in the Capability Production Document. MS C was successfully completed on 11 August 2010 approving entry into the Production and Deployment Phase. P-8A Initial Operational Capability objective is FY 2013.												
E. Performance Metrics Milestone C completed 4th quarter 2010.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						R-1 ITEM NOMENCLATURE PE 0605500N: Multi-mssn Maritime Aircraft (MMA) (P-8A)				PROJECT 2696: Multi-Mission Maritime Aircraft					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Award Fee for Primary HW	C/CPAF	Boeing:Seattle, WA	156.743	39.718	Jul 2012	11.638	Jun 2013	0.000		-		0.000	0.000	208.099	208.099
Primary HW Dev - Boeing	C/CPAF	Boeing:Seattle, WA	5,929.147	439.753	Oct 2011	292.416	Oct 2012	157.321	Oct 2013	-		157.321	187.388	7,006.025	7,006.025
Primary HW Dev - SPAWAR	WR	SPAWAR:San Diego, CA	38.101	4.018	Nov 2011	0.000		0.000		-		0.000	0.000	42.119	
Sys Eng (gov)	WR	NAWC AD:Pax River, MD	61.418	2.457	Nov 2011	4.889	Nov 2012	4.694	Nov 2013	-		4.694	14.680	88.138	
Prior year Prod Dev cost no longer funded in the FYDP	Various	Various:Various	71.470	0.000		0.000		0.000		-		0.000	0.000	71.470	
Subtotal			6,256.879	485.946		308.943		162.015		0.000		162.015	202.068	7,415.851	
Remarks															
The total award fee issued to date was 2.4% of the total budget. No award fee is planned for FY 2014 based on current contract.															
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Int. Log Gov	WR	NAWC AD:Pax River, MD	40.195	1.743	Nov 2011	3.699	Nov 2012	1.335	Nov 2013	-		1.335	1.755	48.727	
Int. Log Gov	WR	NAWC TSD:Orlando, FL	14.180	0.840	Nov 2011	0.000		0.000		-		0.000	0.000	15.020	
Tech Dev Gov	WR	NAWC AD:Pax River, MD	68.730	1.944	Nov 2011	0.753	Nov 2012	1.000	Nov 2013	-		1.000	0.974	73.401	
Prior year Support cost no longer funded in the FYDP	Various	Various:Various	15.822	0.260	Nov 2011	0.000		0.000		-		0.000	0.000	16.082	
Subtotal			138.927	4.787		4.452		2.335		0.000		2.335	2.729	153.230	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
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Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Dev T&E - Gov	WR	NAWC AD:Pax River, MD	55.496	16.064	Nov 2011	8.414	Nov 2012	7.250	Nov 2013	-		7.250	11.960	99.184	
GFE & GFI	WR	NAWC AD:Pax River, MD	44.942	19.018	Nov 2011	4.933	Nov 2012	4.933	Nov 2013	-		4.933	6.000	79.826	
LFT&E - Gov	WR	NAWC WD:China Lake	21.592	4.330	Nov 2011	2.162	Nov 2012	0.111	Nov 2013	-		0.111	0.000	28.195	
Oper Test & Eval	WR	NAWC AD:Pax River, MD	0.749	9.804	Nov 2011	6.680	Nov 2012	3.000	Nov 2013	-		3.000	18.400	38.633	
Prior year T&E cost no longer funded in the FYDP	Various	Various:Various	5.187	0.000		0.000		0.000		-		0.000	0.000	5.187	
Subtotal			127.966	49.216		22.189		15.294		0.000		15.294	36.360	251.025	
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Mgmt Suppt Serv (NON-FFRDC)	C/CPFF	RBC INC:Alexandria, VA	20.538	3.410	Nov 2011	0.661	Nov 2012	0.493	Nov 2013	-		0.493	0.877	25.979	25.979
Engineering Services	C/CPFF	ASEC:Lexington Park MD	3.814	1.405	Nov 2011	0.425	Nov 2012	0.404	Nov 2013	-		0.404	0.945	6.993	6.993
Program Mgmt Support	WR	NAWC AD:Pax River, MD	32.997	5.240	Nov 2011	4.750	Nov 2012	4.551	Nov 2013	-		4.551	4.858	52.396	
Travel	Various	NAWC AD:Pax River, MD	3.258	0.264	Oct 2011	0.201	Oct 2012	0.125	Oct 2013	-		0.125	0.373	4.221	
Prior year Mgmt cost no longer funded in the FYDP	Various	Various:Various	20.060	0.000		0.000		0.000		-		0.000	0.000	20.060	
Subtotal			80.667	10.319		6.037		5.573		0.000		5.573	7.053	109.649	
			All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			6,604.439	550.268		341.621		185.217		0.000		185.217	248.210	7,929.755	

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1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)				PE 0605500N: Multi-mssn Maritime Aircraft (MMA) (P-8A)			2696: Multi-Mission Maritime Aircraft			
	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks										

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

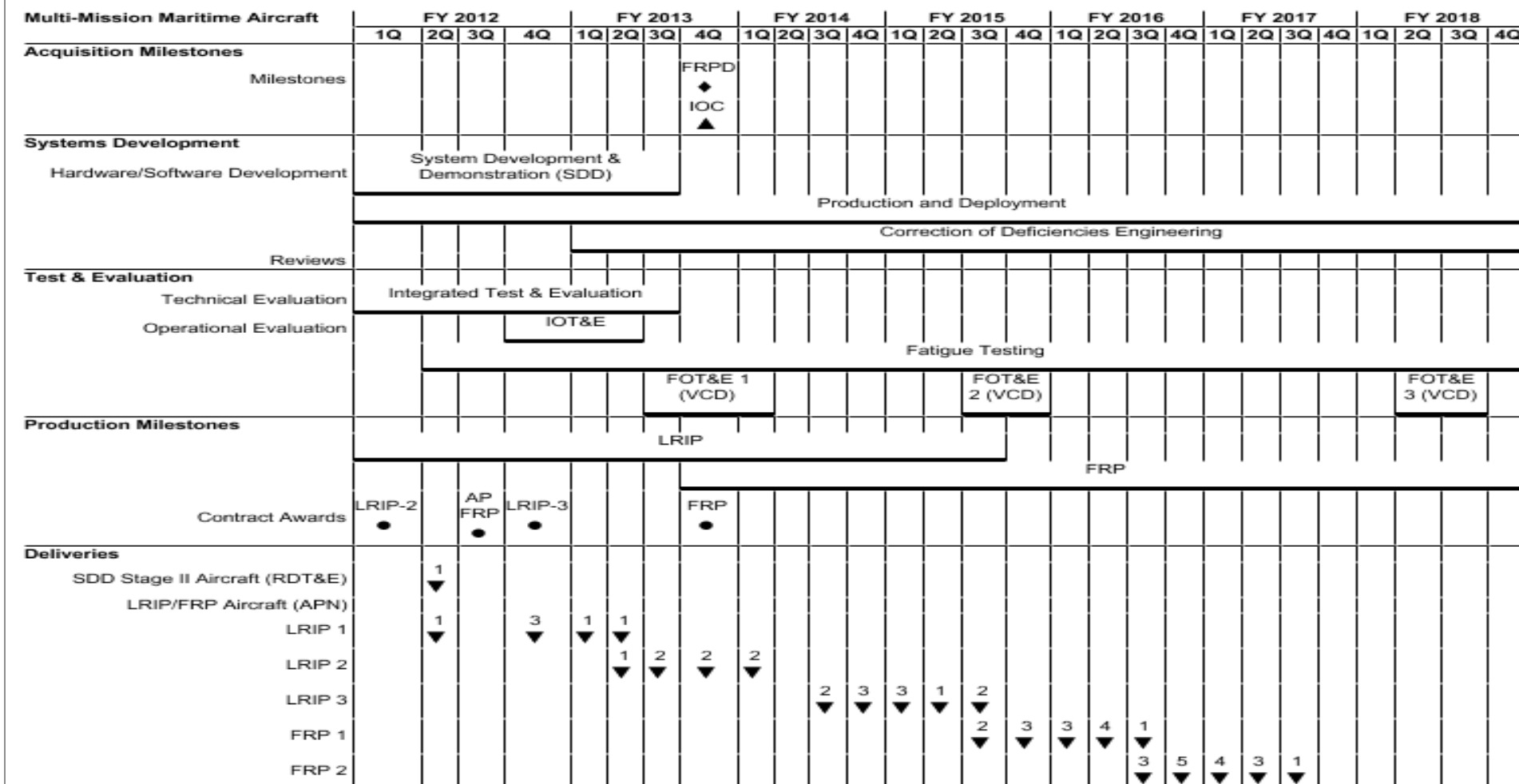
1319: Research, Development, Test & Evaluation, Navy
BA 5: System Development & Demonstration (SDD)

R-1 ITEM NOMENCLATURE

PE 0605500N: Multi-mssn Maritime Aircraft
(MMA) (P-8A)

PROJECT

2696: Multi-Mission Maritime Aircraft



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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy																								DATE: April 2013						
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1319: Research, Development, Test & Evaluation, Navy												PE 0605500N: Multi-mssn Maritime Aircraft												2696: Multi-Mission Maritime Aircraft						
BA 5: System Development & Demonstration (SDD)												(MMA) (P-8A)																		
FRP 3																								4	5	3	3	1		
FRP 4																								▼	▼	▼	▼	▼	4	5
2014PB - 0605500N - 2696																														

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0605500N: <i>Multi-mssn Maritime Aircraft</i> (MMA) (P-8A)	PROJECT 2696: <i>Multi-Mission Maritime Aircraft</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Multi-Mission Maritime Aircraft				
Acquisition Milestones: Milestones: Full Rate Production (FRP) Decision	4	2013	4	2013
Acquisition Milestones: Milestones: Initial Operating Capability (IOC)	4	2013	4	2013
Systems Development: Hardware/Software Development: System Development & Demonstration (SDD)	1	2012	3	2013
Systems Development: Hardware/Software Development: Production and Deployment	1	2012	4	2018
Systems Development: Hardware/Software Development: Correction of Deficiencies Engineering	1	2013	4	2018
Test & Evaluation: Technical Evaluation: Integrated Test & Evaluation (Flight Test)	1	2012	3	2013
Test & Evaluation: Operational Evaluation: Initial Operational Test and Evaluation (IOT&E)	4	2012	2	2013
Test & Evaluation: Operational Evaluation: Fatigue Testing	2	2012	4	2018
Test & Evaluation: Operational Evaluation: Follow-on Test & Evaluation 1 (Defferals & High Priority Correction of Deficiencies)	3	2013	1	2014
Test & Evaluation: Operational Evaluation: Follow-on Test & Evaluation 2 (Verification of Correction of Deficiencies)	3	2015	4	2015
Test & Evaluation: Operational Evaluation: Follow-on Test & Evaluation 3 (Verification of Correction of Deficiencies)	2	2018	3	2018
Production Milestones: Low Rate Initial Production (LRIP)	1	2012	3	2015
Production Milestones: Full Rate Production (FRP)	4	2013	4	2018
Production Milestones: Contract Awards: LRIP Lot #2 (APN)	1	2012	1	2012
Production Milestones: Contract Awards: AP FRP	3	2012	3	2012
Production Milestones: Contract Awards: LRIP Lot #3 (APN)	4	2012	4	2012
Production Milestones: Contract Awards: FRP Contract Award	4	2013	4	2013

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)		R-1 ITEM NOMENCLATURE PE 0605500N: Multi-mssn Maritime Aircraft (MMA) (P-8A)		PROJECT 2696: Multi-Mission Maritime Aircraft
		Start		End
Events by Sub Project		Quarter	Year	Quarter Year
Deliveries: SDD Stage II Aircraft (RDT&E): SDD Stage II Aircraft (RDT&E) Q2 2012		2	2012	2 2012
Deliveries: LRIP 1: LRIP Aircraft (APN) Q2 2012		2	2012	2 2012
Deliveries: LRIP 1: LRIP Aircraft (APN) Q4 2012		4	2012	4 2012
Deliveries: LRIP 1: LRIP Aircraft (APN) Q1 2013		1	2013	1 2013
Deliveries: LRIP 1: LRIP Aircraft (APN) Q2 2013		2	2013	2 2013
Deliveries: LRIP 2: LRIP Aircraft (APN) Q2 2013		2	2013	2 2013
Deliveries: LRIP 2: LRIP Aircraft (APN) Q3 2013		3	2013	3 2013
Deliveries: LRIP 2: LRIP Aircraft (APN) Q4 2013		4	2013	4 2013
Deliveries: LRIP 2: LRIP Aircraft (APN) Q1 2014		1	2014	1 2014
Deliveries: LRIP 3: LRIP Aircraft (APN) Q3 2014		3	2014	3 2014
Deliveries: LRIP 3: LRIP Aircraft (APN) Q4 2014		4	2014	4 2014
Deliveries: LRIP 3: LRIP Aircraft (APN) Q1 2015		1	2015	1 2015
Deliveries: LRIP 3: LRIP Aircraft (APN) Q2 2015		2	2015	2 2015
Deliveries: LRIP 3: LRIP Aircraft (APN) Q3 2015		3	2015	3 2015
Deliveries: FRP 1: FRP Aircraft (APN) Q3 2015		3	2015	3 2015
Deliveries: FRP 1: FRP Aircraft (APN) Q4 2015		4	2015	4 2015
Deliveries: FRP 1: FRP Aircraft (APN) Q1 2016		1	2016	1 2016
Deliveries: FRP 1: FRP Aircraft (APN) Q2 2016		2	2016	2 2016
Deliveries: FRP 1: FRP Aircraft (APN) Q3 2016		3	2016	3 2016
Deliveries: FRP 2: FRP Aircraft (APN) Q3 2016		3	2016	3 2016
Deliveries: FRP 2: FRP Aircraft (APN) Q4 2016		4	2016	4 2016
Deliveries: FRP 2: FRP Aircraft (APN) Q1 2017		1	2017	1 2017
Deliveries: FRP 2: FRP Aircraft (APN) Q2 2017		2	2017	2 2017
Deliveries: FRP 2: FRP Aircraft (APN) Q3 2017		3	2017	3 2017
Deliveries: FRP 3: FRP Aircraft (APN) Q3 2017		3	2017	3 2017

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>		R-1 ITEM NOMENCLATURE PE 0605500N: <i>Multi-mssn Maritime Aircraft</i> (MMA) (P-8A)		PROJECT 2696: <i>Multi-Mission Maritime Aircraft</i>
		Start		End
Events by Sub Project		Quarter	Year	Quarter
Deliveries: FRP 3: FRP Aircraft (APN) Q4 2017		4	2017	4
Deliveries: FRP 3: FRP Aircraft (APN) Q1 2018		1	2018	1
Deliveries: FRP 3: FRP Aircraft (APN) Q2 2018		2	2018	2
Deliveries: FRP 3: FRP Aircraft (APN) Q3 2018		3	2018	3
Deliveries: FRP 4: FRP Aircraft (APN) Q3 2018		3	2018	3
Deliveries: FRP 4: FRP Aircraft (APN) Q4 2018		4	2018	4

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0605500N: Multi-mssn Maritime Aircraft (MMA) (P-8A)				PROJECT 3181: P-8A Spiral One Development			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
3181: P-8A Spiral One Development	30.762	31.170	58.149	54.144	-	54.144	64.817	21.339	0.000	0.000	0.000	260.381
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
The P-8A Multi-mission Maritime Aircraft (MMA) program is based on an evolutionary acquisition strategy consisting of sequential incremental enhancements to system capabilities that will retain cost-wise effectiveness for winning major combat operations beyond 2020. In order to pace the threat, Increment 2, the Next Phase of Capabilities (NPC-1), will incorporate the following capabilities into the P-8A: Multi-Static Active Coherent (MAC), Automatic Identification System, Rapid Capabilities Insertion (RCI), updates to the Tactical Operations Center (TOC), as well as additional Anti-Submarine Warfare (ASW), Anti-Surface Warfare (ASuW) and Intelligence Surveillance and Reconnaissance (ISR) capabilities. Increment 2 will be executed as an Engineering Change Proposal(ECP) to the baseline program.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: Perform technology demonstrations and analyses of proposed new capabilities									24.320	39.792	38.712	
									Articles: 0	0	0	
FY 2012 Accomplishments: Continued development of integration design of new P-8A capabilities. Conducted ECP1 design review. Conducted laboratory and preliminary development testing.												
FY 2013 Plans: Continue development of integration design of new P-8A capabilities. Conduct ECP2 design review. Conduct laboratory and preliminary development testing. Award primary Integration/EMD contract for comprehensive design, installation, test and initial fielding of all Increment 2 capabilities.												
FY 2014 Plans: Continue development of integration design of new P-8A capabilities. Achieve MAC Early Operational Capability. Conduct laboratory and preliminary development testing. Incrementally fund primary Integration/EMD contract for comprehensive design, installation, test and initial fielding of all Increment 2 capabilities such as Multi-Static Active Coherent (MAC), Automatic Identification System, and Rapid Capabilities Insertion (RCI). Maintain integration alignment with external development programs.												
Title: Conduct technical, cost, risk and logistics analysis of proposed technologies									6.850	18.357	15.432	
Articles:									0	0	0	

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0605500N: Multi-mssn Maritime Aircraft (MMA) (P-8A)				PROJECT 3181: P-8A Spiral One Development				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2012	FY 2013	FY 2014
FY 2012 Accomplishments: Conducted technical, cost, risk and logistics analysis of proposed technologies. Provided technical and management support for the development of acquisition documentation. Provided engineering and management of technical development effort.												
FY 2013 Plans: Conduct technical, cost, risk and logistics analysis of proposed technologies. Provide technical and management support for the development of acquisition documentation. Provide engineering and management of technical development effort. Conduct flight testing of Increment 2 capabilities. Provide technical and management support for the development of training courseware.												
FY 2014 Plans: Conduct technical, cost, risk and logistics analysis of proposed technologies. Provide technical and management support for the development of acquisition documentation. Provide engineering and management of technical development effort. Conduct flight testing of Increment 2 capabilities. Provide technical and management support for the development of training courseware.												
Accomplishments/Planned Programs Subtotals										31.170	58.149	54.144
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost	
• APN5/0586: P-8 Series	0.000	5.302	9.485		9.485	23.168	23.537	24.319	24.718	2,066.382	2,176.911	
Remarks												
D. Acquisition Strategy The P-8A MMA program is based on an evolutionary acquisition strategy consisting of sequential incremental enhancements to system capabilities that will retain cost-wise effectiveness for winning major combat operations beyond 2020. As part of the P-8A evolutionary acquisition strategy, Increment 2 will incorporate the capabilities defined in the Capability Development Document approved by JROC on 25 June 2010. Next Phase of Capabilities (NPC-1) will incorporate the following capabilities into the P-8A: Multi-Static Active Coherent, Rapid Capabilities Insertion, updates to the Tactical Operations Center, as well as additional Anti-Submarine Warfare, Anti-Surface Warfare and Intelligence Surveillance and Reconnaissance capabilities.												
E. Performance Metrics Approval of Increment 2 Engineering Change Proposals (ECPs).												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>						R-1 ITEM NOMENCLATURE PE 0605500N: <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>						PROJECT 3181: <i>P-8A Spiral One Development</i>			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary HW Dev - Risk Reduction/Preliminary Design II	C/CPFF	Boeing:Seattle, WA	1.975	14.027	Nov 2011	0.000		0.000		-		0.000	0.000	16.002	16.002
Primary HW Dev - Integration/EMD	C/CPFF	Boeing:Seattle, WA	0.000	0.000		33.422	Nov 2012	33.443	Nov 2013	-		33.443	54.815	121.680	121.680
Sys Eng (gov)	WR	NAWC AD:Pax River, MD	9.071	10.293	Nov 2011	6.370	Nov 2012	5.269	Nov 2013	-		5.269	8.905	39.908	
Prior year Prod Dev cost no longer funded in the FYDP	Various	Various:Various	7.453	0.000		0.000		0.000		-		0.000	0.000	7.453	
Subtotal			18.499	24.320		39.792		38.712		0.000		38.712	63.720	185.043	
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Integrated Logistics Sup	WR	NAWC AD:Pax River, MD	1.307	0.885	Nov 2011	0.646	Nov 2012	0.509	Nov 2013	-		0.509	1.841	5.188	
Prior year Support cost no longer funded in the FYDP	Various	Various:Various	0.742	0.000		0.000		0.000		-		0.000	0.000	0.742	
Subtotal			2.049	0.885		0.646		0.509		0.000		0.509	1.841	5.930	
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Dev Test & Eval	WR	NAWC AD:Pax River, MD	1.850	0.877	Nov 2011	7.464	Nov 2012	7.561	Nov 2013	-		7.561	7.032	24.784	
GFE/GFI/GFP	WR	NAWC AD:Pax River, MD	0.050	2.933	Nov 2011	7.877	Nov 2012	3.598	Nov 2013	-		3.598	3.600	18.058	
Oper Test & Eval	WR	NAWC AD:Pax River, MD	0.000	0.000		0.000		2.100	Nov 2013	-		2.100	6.473	8.573	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>						R-1 ITEM NOMENCLATURE PE 0605500N: <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>						PROJECT 3181: <i>P-8A Spiral One Development</i>			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Assets	WR	NAWC AD:Pax River, MD	0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	
Subtotal			1.900	3.810		15.341		13.259		0.000		13.259	17.105	51.415	
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Services	C/CPFF	ASEC:Lexington Park, MD	1.260	0.000	Nov 2011	0.083	Nov 2012	0.200	Nov 2013	-		0.200	0.715	2.258	2.258
Mgmt Suppt Serv (NON-FFRDC)	C/CPFF	RBC INC:Alexandria, VA	4.112	1.480	Nov 2011	0.585	Nov 2012	0.752	Nov 2013	-		0.752	1.362	8.291	8.291
Program Mgmt Support	WR	NAWC AD:Pax River, MD	2.815	0.645	Nov 2011	1.613	Nov 2012	0.662	Nov 2013	-		0.662	1.313	7.048	
Travel	WR	NAWC AD:Pax River, MD	0.127	0.030	Oct 2011	0.089	Oct 2012	0.050	Oct 2013	-		0.050	0.100	0.396	
Subtotal			8.314	2.155		2.370		1.664		0.000		1.664	3.490	17.993	
			All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			30.762	31.170		58.149		54.144		0.000		54.144	86.156	260.381	
Remarks															

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PE 0605500N: *Multi-mssn Maritime Aircraft (MMA) (P-8A)*
Navy

R-1 ITEM NOMENCLATURE

PE 0605500N: *Multi-mssn Maritime Aircraft (MMA) (P-8A)*

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PE 0605500N: *Multi-mssn Maritime Aircraft (MMA) (P-8A)*
Navy

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0605500N: <i>Multi-mssn Maritime Aircraft</i> (MMA) (P-8A)	PROJECT 3181: <i>P-8A Spiral One Development</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>P-8A Spiral One Development</i>				
Acquisition Milestones: Milestones: Early Operational Capability (EOC)	3	2014	3	2014
Acquisition Milestones: Milestones: Initial Operational Capability (IOC)	1	2016	1	2016
Systems Development: Acquisition Phases: Technology Development (TD)/Risk Reduction	1	2012	1	2013
Systems Development: Acquisition Phases: Integration/EMD	1	2013	2	2016
Test & Evaluation: Technical Evaluation: Developmental Testing (Integration Testing)	1	2012	2	2015
Test & Evaluation: Operational Evaluation: Operational Test & Evaluation (OT&E) (EOC)	4	2013	1	2014
Test & Evaluation: Operational Evaluation: Operational Test & Evaluation (OT&E) (IOC)	2	2015	4	2015
Production Milestones: Contract Awards: Contract Award Integration/ Engineering, Manufacturing, and Development (EMD)	1	2013	1	2013
Production Milestones: Contract Awards: Retrofit Kits (ECP1)	1	2014	1	2014
Production Milestones: Contract Awards: Retrofit Kits (ECP2)	2	2015	2	2015
Deliveries: Kit Deliveries (APN)	3	2014	4	2017

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0605500N: Multi-mssn Maritime Aircraft (MMA) (P-8A)				PROJECT 3218: P-8A Spiral 2 Development			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
3218: P-8A Spiral 2 Development	1.935	4.094	21.332	77.997	-	77.997	128.401	159.042	188.683	184.384	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
The P-8A Multi-mission Maritime Aircraft (MMA) program is based on an evolutionary acquisition strategy consisting of sequential increments that will retain cost-wise effectiveness for winning major combat operations beyond 2020. In order to pace the threat, Increment 3 will incorporate improvements in aircraft systems, such as Architecture Upgrades, Net-Ready Key Performance Parameters (KPP) implementation, integration of a network enabled Anti-Surface Warfare (ASuW) weapon, Survivability Upgrades, Precision Targeting improvements, and Rapid Capabilities Insertion (RCI), as well as additional Anti-Submarine Warfare (ASW), ASuW and Intelligence Surveillance and Reconnaissance (ISR) capabilities. These capabilities and other emergent capability requirements will be investigated during the Technology Development phase of Increment 3 for the P-8A and Tactical Operations Center (TOC)(ground support facility).												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: Perform technology demonstrations and analyses of proposed new capabilities									2.919	17.657	72.672	
									Articles: 0	0	0	
FY 2012 Accomplishments: Conducted multiple engineering studies of the proposed new P-8A capabilities to ascertain the most affordable, military useful, most mature technological solution.												
FY 2013 Plans: Initiate design for integrating new capabilities into P-8A TOC. Continue engineering studies and prepare Increment 3 technology development system specifications. Continue government led competitive prototyping efforts.												
FY 2014 Plans: Continue government led competitive prototyping efforts for Increment 3 Architecture. Complete engineering studies. Award Technology Development contracts for Increment 3 Architecture and other Increment 3 capabilities such as ASW Enhancements. Begin Risk Reduction for integration of specific Increment 3 capabilities such as Net Enabled Weapon, ASW Enhancements, and architecture to include development of interfaces and identification of Size Weight Power and Cooling (SWAP-C). Continue P-8A TOC design and integration efforts.												
Title: Conduct technical, cost, risk and logistics analysis of proposed technologies									1.175	3.675	5.325	

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy							DATE: April 2013				
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0605500N: <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>			PROJECT 3218: <i>P-8A Spiral 2 Development</i>				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2012	FY 2013	FY 2014		
Articles:							0	0	0		
<i>FY 2012 Accomplishments:</i> Conducted technical, cost, risk and logistics analysis of proposed technologies. Evaluated system requirements through cost/performance trade-off analysis. Provided technical and management support for the development of acquisition documentation. Provided engineering and management of engineering studies.											
<i>FY 2013 Plans:</i> Conduct technical, cost, risk and logistics analysis of proposed technologies. Evaluate system requirements through cost/performance trade-off analysis. Provide technical and management support for the development of acquisition documentation. Provide engineering and management of technical development effort.											
<i>FY 2014 Plans:</i> Conduct technical, cost, risk and logistics analysis of proposed technologies. Evaluate system requirements through cost/performance trade-off analysis. Provide technical and management support for the development of acquisition documentation. Provide engineering and management of technical development effort. Continue government prototyping.											
Accomplishments/Planned Programs Subtotals							4.094	21.332	77.997		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
• APN5/0586: <i>P-8 Series</i>	0.000	5.302	9.485		9.485	23.168	23.537	24.319	24.718	2,066.382	2,176.911
Remarks											
D. Acquisition Strategy											
The P-8A MMA program is based on an evolutionary acquisition strategy consisting of sequential increments that will retain cost-wise effectiveness for winning major combat operations beyond 2020. As part of the P-8A evolutionary acquisition strategy, Increment 3 will incorporate the capabilities defined in the Capability Development Document approved by JROC on 25 June 2010. In order to pace the threat, Increment 3 will incorporate improvements in aircraft systems such as Architecture Upgrades, Net-Ready Key Performance Parameters (KPP) implementation, integration of a network enabled Anti-Surface Warfare (ASuW) weapon, Survivability Upgrades, Precision Targeting improvements, and Rapid Capabilities Insertion Capabilities, as well as additional Anti-Submarine Warfare, ASuW and Intelligence Surveillance and Reconnaissance capabilities. The scope of this effort includes the integration design and test of capability enhancements to the P-8A. Fleet introduction is planned to be accomplished, based on the scope of change, in FY20. These capabilities and other emergent capability requirements will be investigated during the Technology Development phase of Increment 3 for the P-8A and Tactical Operation Center (ground support facility).											

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0605500N: <i>Multi-mssn Maritime Aircraft</i> (MMA) (P-8A)	PROJECT 3218: <i>P-8A Spiral 2 Development</i>

E. Performance Metrics

Milestone A to be completed 2nd quarter 2013; Milestone B to be completed 3rd quarter 2016.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						R-1 ITEM NOMENCLATURE PE 0605500N: Multi-mssn Maritime Aircraft (MMA) (P-8A)				PROJECT 3218: P-8A Spiral 2 Development					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary HW Dev - Engineering Studies	TBD	TBD:Not Specified	0.000	1.000	Jul 2012	5.000	Nov 2012	0.000		-		0.000	0.000	6.000	6.000
Primary Hdw Dev - Technology Development	C/CPIF	TBD:TBD	0.000	0.000		0.000		63.996	Jan 2014	-		63.996	128.367	192.363	197.790
Primary HW Dev - EMD	C/CPIF	TBD:TBD	0.000	0.000		0.000		0.000		-		0.000	427.970	427.970	427.970
Sys Eng (gov)	WR	NAWC AD:Pax River, MD	0.308	1.919	Nov 2011	12.657	Nov 2012	8.676	Nov 2013	-		8.676	51.058	74.618	
Subtotal			0.308	2.919		17.657		72.672		0.000		72.672	607.395	700.951	
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Integrated Logistics Sup	WR	NAWC AD:Pax River, MD	0.451	0.053	Nov 2011	0.500	Nov 2012	0.166	Nov 2013	-		0.166	2.662	3.832	
Studies & Analysis	C/CPFF	JHU:Pax River, MD	0.644	0.000	Dec 2011	0.891	Dec 2012	0.350	Dec 2013	-		0.350	0.350	2.235	2.235
Subtotal			1.095	0.053		1.391		0.516		0.000		0.516	3.012	6.067	
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Dev Test & Eval	WR	NAWC AD:Pax River, MD	0.000	0.000	Nov 2011	0.400	Nov 2012	1.400	Nov 2013	-		1.400	Continuing	Continuing	Continuing
GFE/GFI/GFP	WR	NAWC AD:Pax River, MD	0.000	0.000		0.000		0.000		-		0.000	20.341	20.341	
Oper Test & Eval	WR	NAWC AD:Pax River, MD	0.000	0.000		0.000		0.000		-		0.000	64.000	64.000	
Test Assets	WR	NAWC AD:Pax River, MD	0.000	0.000		0.000		0.000		-		0.000	32.000	32.000	
Subtotal			0.000	0.000		0.400		1.400		0.000		1.400			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy													DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>							R-1 ITEM NOMENCLATURE PE 0605500N: <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>					PROJECT 3218: <i>P-8A Spiral 2 Development</i>			

Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Services	C/CPFF	ASEC:Lexington Park, MD	0.000	0.204	Nov 2011	0.515	Nov 2012	0.300	Nov 2013	-		0.300	4.034	5.053	5.053
Mgmt Suppt Serv (NON-FFRDC)	C/CPFF	RBC:Alexandria, VA	0.420	0.682	Nov 2011	0.772	Nov 2012	2.366	Nov 2013	-		2.366	14.273	18.513	18.513
Program Mgmt Support	WR	NAWC AD:Pax River, MD	0.112	0.236	Nov 2011	0.500	Nov 2012	0.543	Nov 2013	-		0.543	7.705	9.096	
Travel	WR	NAWC AD:Pax River, MD	0.000	0.000	Oct 2011	0.097	Oct 2012	0.200	Oct 2013	-		0.200	2.800	3.097	
Subtotal			0.532	1.122		1.884		3.409		0.000		3.409	28.812	35.759	

	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	1.935	4.094		21.332		77.997		0.000		77.997			

Remarks

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PE 0605500N: *Multi-mssn Maritime Aircraft (MMA) (P-8A)*
Navy

R-1 Line #134

R-1 ITEM NOMENCLATURE

PE 0605500N: *Multi-mssn Maritime Aircraft (MMA) (P-8A)*

3218: *P-8A Spiral 2 Development*2014PB - 0605500N - 3218

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0605500N: <i>Multi-mssn Maritime Aircraft</i> (MMA) (P-8A)	PROJECT 3218: <i>P-8A Spiral 2 Development</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>P-8A Spiral 2 Development</i>				
Acquisition Milestones: Milestones: Increment 3 MS A	2	2013	2	2013
Acquisition Milestones: Milestones: Increment 3 MS B	3	2016	3	2016
Acquisition Milestones: Milestones: Increment 3 MS C	2	2018	2	2018
Systems Development: Technology Development/Risk Reduction	2	2013	3	2016
Systems Development: Prototyping	2	2013	2	2016
Systems Development: Engineering Manufacturing & Development (EMD)	3	2016	1	2018
Systems Development: Engineering Sudies	4	2012	2	2013
Systems Development: Reviews: Preliminary Design Review (PDR)	1	2016	1	2016
Systems Development: Reviews: Critical Design Review (CDR)	1	2017	1	2017
Test & Evaluation: Integrated Test (IT)	2	2017	4	2018
Test & Evaluation: Lab Testing	2	2015	1	2017
Production Milestones: Contract Awards: Contract Award - Technology Development/ Risk Reduction	2	2014	2	2014
Production Milestones: Contract Awards: Engineering Manufacturing & Development (EMD)	3	2016	3	2016

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>					R-1 ITEM NOMENCLATURE PE 0605500N: <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>				PROJECT 9999: <i>Congressional Adds</i>			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013[#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
9999: <i>Congressional Adds</i>	0.000	10.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	10.000
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012 ^{##} The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
Congressional Add.												
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2012	FY 2013			
Congressional Add: Small Business Technology Insertion								10.000	-			
FY 2012 Accomplishments: N/A												
Congressional Adds Subtotals								10.000	0.000			
C. Other Program Funding Summary (\$ in Millions)												
N/A												
Remarks												
D. Acquisition Strategy												
Not required for Congressional Adds.												
E. Performance Metrics												
Not required for Congressional Adds.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy													DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>							R-1 ITEM NOMENCLATURE PE 0605500N: <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>					PROJECT 9999: <i>Congressional Adds</i>			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary HW Dev - NAWCAD	WR	NAWC AD:Patuxent River, MD	0.000	0.048	Jun 2012	0.000		0.000		-		0.000	0.000	0.048	
Primary HW Dev - Progeny	C/CPFF	PROGENY:Manassas, VA	0.000	8.417	Jun 2013	0.000		0.000		-		0.000	0.000	8.417	8.417
Primary HW Dev - TBD	TBD	TBD:TBD	0.000	0.583	Jun 2013	0.000		0.000		-		0.000	0.000	0.583	
Subtotal			0.000	9.048		0.000		0.000		0.000		0.000	0.000	9.048	
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Services	WR	NAWC AD:Paxtuxent River, MD	0.000	0.061	Mar 2013	0.000		0.000		-		0.000	0.000	0.061	
Mgmt Suppt Serv (NONFFRDC)	C/CPFF	RBC INC:Alexandria,	0.000	0.891	Mar 2013	0.000		0.000		-		0.000	0.000	0.891	
Subtotal			0.000	0.952		0.000		0.000		0.000		0.000	0.000	0.952	
			All Prior Years	FY 2012	FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			0.000	10.000	0.000		0.000		0.000		0.000	0.000	10.000		
Remarks															