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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Navy **Date:** February 2015

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>
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COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	7,644.038	252.426	306.033	247.929	-	247.929	238.734	211.931	207.778	163.785	Continuing	Continuing
2696: <i>Multi-Mission Maritime Aircraft</i>	7,456.766	162.497	150.546	102.818	-	102.818	47.156	23.300	-	-	-	7,943.083
3181: <i>P-8A Spiral One Development</i>	114.213	57.624	68.458	39.485	-	39.485	-	-	-	-	-	279.780
3218: <i>P-8A Spiral 2 Development</i>	25.242	27.305	72.029	104.116	-	104.116	189.501	185.567	197.548	153.350	Continuing	Continuing
3368: <i>P-8 Improvements</i>	0.000	-	-	1.510	-	1.510	2.077	3.064	10.230	10.435	Continuing	Continuing
9999: <i>Congressional Adds</i>	47.817	5.000	15.000	-	-	-	-	-	-	-	-	67.817

MDAP/MAIS Code: 334

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 first flight of P-8A occurred on 25 Apr 2009. Milestone (MS) C was successfully completed on 11 August 2010. The program completed Initial Operational Test and Evaluation (IOT&E) in March 2013 and achieved Initial Operational Capability (IOC) in November 2013. The Acquisition Decision Memorandum approved entry into Full Rate Production on January 3, 2014.

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, and conduct ground and flight tests to successfully achieve program 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 (PU 2696). 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 building 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 SDD (PU 2696) in CY13. The scope of SDD also includes the engineering and verification of corrected deficiencies identified in testing and Fleet operational use. P-8A entered Production and Deployment phase in the 4th quarter of FY10 and entered Full Rate Production in 2nd quarter of FY14.

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<p>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, Spiral One (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, ground testing (lab & aircraft) and flight test of the capability enhancements to the P-8A and associated Tactical Operations Center ground support facilities and initial trainers. Integration and test of these capabilities as well as integration of Advanced Airborne Sensor (AAS) capability will be accomplished incrementally, based on the scope of the integration effort. This includes support of Special Mission Configuration Test Program (SMCTP).</p> <p>As part of the P-8A evolutionary acquisition strategy, Spiral 2 (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 the following capabilities into the P-8A: MAC Enhancement, continued Net Ready enhancements, Net Enabled ASuW Weapon, Rapid Capability Insertion (RCI) Engineering Change Proposal (ECP) including ECP3 (early delivery of High Altitude ASW Weapons capability (HAAWC) Datalink), 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 Pre-Engineering Manufacturing Development phase of Increment 3 for the P-8A and Tactical Operations Center (ground support facility). Those capabilities that are mature will be integrated and tested in the P-8A as ECPs, utilizing an approach similar to that used by P-8A Increment 2. Acquisition Decision Memorandum, dated 18 October 2013, approved Pre-Engineering Development activities leading up to MS B. Work activities during the pre-Engineering and Manufacturing Development (EMD) and EMD phases includes: development of the Applications Based Architecture (ABA), risk reduction, technical analysis and maturation of a subset of technologies in preparation for MS B.</p> <p>The P-8A Multi-mission Maritime Aircraft (MMA) program also includes a sequence of RCI's and rapid development efforts to respond to evolving threats which will retain cost-wise effectiveness for winning major combat operations beyond 2020. In order to pace the threat, these efforts will incorporate incremental software and hardware improvements to existing sensors, communications systems, mission systems, weapons capabilities and Tactical Operations Center (TOC) to build on the P-8A capability baseline. These capabilities, and other emergent capability requirements, will be prioritized through the Navy Integration and Interoperability (I&I)-aligned Capability Prioritization Process (CPP) and P-8A Tier 3 Capability Roadmap. The CPP process will be supported by detailed analysis and the maturation of developing technologies.</p> <p>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.</p>		

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B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	272.352	308.037	257.692	-	257.692
Current President's Budget	252.426	306.033	247.929	-	247.929
Total Adjustments	-19.926	-2.004	-9.763	-	-9.763
• Congressional General Reductions	-	-0.004			
• Congressional Directed Reductions	-	-17.000			
• Congressional Rescissions	-	-			
• Congressional Adds	-	15.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-9.700	-			
• SBIR/STTR Transfer	-10.226	-			
• Program Adjustments	-	-	-14.000	-	-14.000
• Rate/Misc Adjustments	-	-	4.237	-	4.237

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

Project: 9999: *Congressional Adds*

 Congressional Add: *Small Business Technology Insertion*

 Congressional Add: *P-8A Sensor Development - Cong*

Congressional Add Subtotals for Project: 9999

Congressional Add Totals for all Projects

	FY 2014	FY 2015
	-	15.000
	5.000	-
	5.000	15.000
	5.000	15.000

Change Summary Explanation

The FY 2016 funding request was reduced by \$12.95 million to account for the availability of prior year execution balances.

Technical: Not applicable.

Schedule:

Project 2696: Follow On Test & Evaluation (FOT&E) 1 Verification of Corrected Deficiencies (VCD) completed 2Q FY14. Renamed Correction of Deficiencies Engineering to Correction of Deficiencies/Air to Air Refueling.

Project 3181: Additional software build required as a result of initial (Development Test) DT causing a delay in Operational Test & Evaluation (OT&E) Early Operational Capability (EOC) start from 3Q FY14 to 1Q FY15, and extending it thru 2Q FY15; delaying OT&E Initial Operational Capability (IOC) start from 3Q FY15 to 4Q FY15 and extending it thru 2Q FY16. Delayed EOC from 4Q FY14 to 2Q FY15 and IOC from 2Q FY16 to 3Q FY16.

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Project 3218: Funding for technical correction for MAC Enhancements transferred from this line to PE 0604261N/PU 0480 in FY16 thru FY20. Total transferred is \$102.4M. Added Capabilities Development Award for 2Q FY17 and renamed Risk Reduction(RR) contract award to RR Interface. MS B adjusted from 2Q FY17 to 3Q FY17, MS C adjusted from 2Q FY19 to outside the FYDP. Remaining Systems Development and Test and Evaluation activities adjusted to align to the updated MS dates.

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>				Project (Number/Name) 2696 / <i>Multi-Mission Maritime Aircraft</i>			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
2696: <i>Multi-Mission Maritime Aircraft</i>	7,456.766	162.497	150.546	102.818	-	102.818	47.156	23.300	-	-	-	7,943.083
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: Continue System Development & Demonstration	130.490	128.891	82.299	-	82.299
Articles:	-	-	-	-	-
FY 2014 Accomplishments: SDD phase. Scope of effort included: 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) Systems, training devices, 1st life of fatigue testing, supported continuation of engineering for correction of deficiencies, Follow-on Operational Test & Evaluation (FOT&E) Verification of Corrected Deficiencies (VCD), and start of horizontal stabilizer static					

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy		Date: February 2015
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
<p>testing and fatigue testing. Conducted periodic cost and schedule performance reviews associated with Earned Value Management (EVM) and prepared and conducted technical, test and logistic reviews.</p> <p>FY 2015 Plans: SDD phase. Scope of effort includes: engineering for identified deficiencies, support and update to ground and flight test articles (Stage I and II), conduct of fatigue testing, updates and test of TOC Systems and training systems, continuation of horizontal stabilizer static testing and fatigue testing, conduct of Integrated Test and Evaluation (IT&E), FOT&E/VCD and Air to Air Refueling (AAR). Conduct of periodic cost and schedule performance reviews associated with EVM and preparation and conduct of technical, test and logistic reviews.</p> <p>FY 2016 Base Plans: SDD phase. Scope of effort includes: engineering for identified and prioritized deficiencies, support and update to ground and flight test articles (Stage I and II), continuation of fatigue testing, AAR and completion of horizontal stabilizer static testing.</p> <p>FY 2016 OCO Plans: N/A</p>					
<p>Title: Continue Engineering and Technical Development and Test for Sys Dev & Demonstration contracts</p> <p align="right">Articles:</p> <p>FY 2014 Accomplishments: Continued analysis of contracted deliverables; direct technical and logistic support of system development test aircraft; engineering for correction of deficiencies; verification of correction of deficiencies; evaluated contract cost, schedule, and performance; test preparations, provided necessary government furnished equipment and test articles, risk assessment/mitigation; program control; and performance status. Conducted and supported IT&E and FOT&E/VCD.</p> <p>FY 2015 Plans: Continue analysis of contracted deliverables; direct technical and logistic support of system development test aircraft; engineering for correction of deficiencies; verification of corrected deficiencies; fatigue testing; horizontal stabilizer testing; 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 /VCD.</p> <p>FY 2016 Base Plans:</p>	32.007 -	21.655 -	20.519 -	- -	20.519 -

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy **Date:** February 2015

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Continue analysis of contracted deliverables; direct technical and logistic support of system development test aircraft; engineering for correction of deficiencies; verification of corrected deficiencies; fatigue testing; horizontal stabilizer testing; 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/VCD.					
FY 2016 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	162.497	150.546	102.818	-	102.818

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

<u>Line Item</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016 Base</u>	<u>FY 2016 OCO</u>	<u>FY 2016 Total</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• APN1/0193: <i>P-8A MMA</i>	3,196.024	2,171.144	3,278.496	-	3,278.496	2,420.241	2,431.701	1,694.346	-	-	23,622.684
• APN6/0605: <i>P-8A Initial Spares</i>	20.553	0.204	1.569	-	1.569	20.096	20.559	20.804	-	-	490.765
• MILCON: <i>P-8A MILCON</i>	100.691	52.216	83.186	-	83.186	-	-	-	-	-	343.527

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 achieved in November 2013. Entry into Full Rate Production was approved on 3 January 2014.

E. Performance Metrics

Completed first period of Follow-On Test & Evaluation (FOT&E) and Verification of Corrected Deficiencies (VCD) in 2nd quarter 2014.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy **Date:** February 2015

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A)	Project (Number/Name) 2696 / Multi-Mission Maritime Aircraft
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Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Primary HW Dev - Boeing	C/CPAF	Boeing : Seattle, WA	6,635.482	124.354	Oct 2013	123.224	Oct 2014	78.050	Oct 2015	-		78.050	50.033	7,011.143	7,011.143
Sys Eng (gov)	WR	NAWC AD : Pax River, MD	65.673	6.136	Nov 2013	5.667	Nov 2014	4.249	Nov 2015	-		4.249	4.428	86.153	-
Prior year Prod Dev cost no longer funded in the FYDP	Various	Various : Various	319.529	-		-		-		-		-	-	319.529	-
Subtotal			7,020.684	130.490		128.891		82.299		-		82.299	54.461	7,416.825	-

Remarks
The total award fee issued to date was 2.6% of the total budget. No award fee is planned for FY 2014 based on current contract.

Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Int. Log Gov	WR	NAWC AD : Pax River, MD	41.925	1.133	Nov 2013	0.423	Nov 2014	0.445	Nov 2015	-		0.445	0.445	44.371	-
Int. Log Gov	WR	NAWC TSD : Orlando, FL	15.039	0.135	Nov 2013	0.135	Nov 2014	-		-		-	-	15.309	-
Tech Dev Gov	WR	NAWC AD : Pax River, MD	72.030	3.946	Nov 2013	1.584	Nov 2014	1.541	Nov 2015	-		1.541	0.757	79.858	-
Prior year Support cost no longer funded in the FYDP	Various	Various : Various	16.561	-		-		-		-		-	-	16.561	-
Subtotal			145.555	5.214		2.142		1.986		-		1.986	1.202	156.099	-

Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Dev T&E - Gov	WR	NAWC AD : Pax River, MD	78.935	10.673	Nov 2013	9.261	Nov 2014	9.284	Nov 2015	-		9.284	5.965	114.118	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy **Date:** February 2015

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A)	Project (Number/Name) 2696 / Multi-Mission Maritime Aircraft
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Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
GFE & GFI	WR	NAWC AD : Pax River, MD	68.689	9.800	Nov 2013	4.000	Nov 2014	4.000	Nov 2015	-		4.000	4.000	90.489	-
LFT&E - Gov	WR	NAWC WD : China Lake	28.892	0.092	Nov 2013	-		-		-		-	-	28.984	-
Oper Test & Eval	WR	NAWC AD : Pax River, MD	5.926	0.662	Nov 2013	1.000	Nov 2014	1.000	Nov 2015	-		1.000	1.000	9.588	-
Prior year T&E cost no longer funded in the FYDP	Various	Various : Various	10.487	-		-		-		-		-	-	10.487	-
Subtotal			192.929	21.227		14.261		14.284		-		14.284	10.965	253.666	-

Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Mgmt Suppt Serv (NON-FFRDC)	C/CPFF	RBC INC : Alexandria, VA	26.368	0.628	Nov 2013	0.622	Nov 2014	0.622	Nov 2015	-		0.622	1.244	29.484	29.484
Eng Tech Serv (NON-FFRDC)	C/CPFF	ASEC : Lexington Park MD	5.695	0.404	Nov 2013	0.400	Nov 2014	0.400	Nov 2015	-		0.400	0.800	7.699	7.699
Program Mgmt Support	WR	NAWC AD : Pax River, MD	41.892	4.409	Nov 2013	4.105	Nov 2014	3.102	Nov 2015	-		3.102	1.661	55.169	-
Travel	Allot	NAWC AD : Pax River, MD	3.583	0.125	Oct 2013	0.125	Nov 2014	0.125	Nov 2015	-		0.125	0.123	4.081	-
Prior year Mgmt cost no longer funded in the FYDP	Various	Various : Various	20.060	-		-		-		-		-	-	20.060	-
Subtotal			97.598	5.566		5.252		4.249		-		4.249	3.828	116.493	-

	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals		7,456.766	162.497	150.546	102.818	-	70.456	7,943.083	-

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)
1319 / 5	PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	2696 / <i>Multi-Mission Maritime Aircraft</i>
<i>2016PB - 0605500N - 2696</i>		

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 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	1	2014	1	2014
Acquisition Milestones: Milestones: Initial Operating Capability (IOC)	1	2014	1	2014
Systems Development: Hardware/Software Development: Production and Deployment	1	2014	4	2018
Systems Development: Hardware/Software Development: Correction of Deficiencies/ Air to Air Refueling	1	2014	4	2018
Test & Evaluation: Technical Evaluation: Integrated Test & Evaluation (Flight Test)	1	2014	2	2018
Test & Evaluation: Operational Evaluation: Fatigue Testing	1	2014	4	2018
Test & Evaluation: Operational Evaluation: Follow-on Test & Evaluation 1 (Defferals & High Priority Correction of Deficiencies)	1	2014	2	2014
Test & Evaluation: Operational Evaluation: Follow-on Test & Evaluation 2 (Verification of Corrected Deficiencies)	2	2015	3	2015
Test & Evaluation: Operational Evaluation: Follow-on Test & Evaluation 3 (Verification of Correct Deficiencies)	4	2016	1	2017
Production Milestones: Low Rate Initial Production (LRIP)	1	2014	3	2016
Production Milestones: Full Rate Production (FRP)	3	2014	4	2020
Production Milestones: Contract Awards: FRP Contract Award	2	2014	2	2014
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

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy **Date:** February 2015

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 2696 / <i>Multi-Mission Maritime Aircraft</i>
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Deliveries: LRIP 4: LRIP Aircraft (APN) Q3 2015	3	2015	3	2015
Deliveries: LRIP 4: LRIP Aircraft (APN) Q4 2015	4	2015	4	2015
Deliveries: LRIP 4: LRIP Aircraft (APN) Q1 2016	1	2016	1	2016
Deliveries: LRIP 4: LRIP Aircraft (APN) Q2 2016	2	2016	2	2016
Deliveries: LRIP 4: LRIP Aircraft (APN) Q3 2016	3	2016	3	2016
Deliveries: FRP 1: FRP Aircraft (APN) Q3 2016	3	2016	3	2016
Deliveries: FRP 1: FRP Aircraft (APN) Q4 2016	4	2016	4	2016
Deliveries: FRP 1: FRP Aircraft (APN) Q1 2017	1	2017	1	2017
Deliveries: FRP 1: FRP Aircraft (APN) Q2 2017	2	2017	2	2017
Deliveries: FRP 1: FRP Aircraft (APN) Q3 2017	3	2017	3	2017
Deliveries: FRP 2: FRP Aircraft (APN) Q3 2017	3	2017	3	2017
Deliveries: FRP 2: FRP Aircraft (APN) Q4 2017	4	2017	4	2017
Deliveries: FRP 2: FRP Aircraft (APN) Q1 2018	1	2018	1	2018
Deliveries: FRP 2: FRP Aircraft (APN) Q2 2018	2	2018	2	2018
Deliveries: FRP 2: FRP Aircraft (APN) Q3 2018	3	2018	3	2018
Deliveries: FRP 3: FRP Aircraft (APN) Q3 2018	3	2018	3	2018
Deliveries: FRP 3: FRP Aircraft (APN) Q4 2018	4	2018	4	2018
Deliveries: FRP 3: FRP Aircraft (APN) Q1 2019	1	2019	1	2019
Deliveries: FRP 3: FRP Aircraft (APN) Q2 2019	2	2019	2	2019
Deliveries: FRP 3: FRP Aircraft (APN) Q3 2019	3	2019	3	2019
Deliveries: FRP 4: FRP Aircraft (APN) Q3 2019	3	2019	3	2019
Deliveries: FRP 4: FRP Aircraft (APN) Q4 2019	4	2019	4	2019
Deliveries: FRP 4: FRP Aircraft (APN) Q1 2020	1	2020	1	2020
Deliveries: FRP 4: FRP Aircraft (APN) Q2 2020	2	2020	2	2020
Deliveries: FRP 4: FRP Aircraft (APN) Q3 2020	3	2020	3	2020

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy **Date:** February 2015

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 2696 / <i>Multi-Mission Maritime Aircraft</i>
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Deliveries: FRP 5: FRP Aircraft (APN) Q3 2020	3	2020	3	2020
Deliveries: FRP 5: FRP Aircraft (APN) Q4 2020	4	2020	4	2020

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A)				Project (Number/Name) 3181 / P-8A Spiral One Development			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
3181: P-8A Spiral One Development	114.213	57.624	68.458	39.485	-	39.485	-	-	-	-	-	279.780
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

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, Spiral One (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 (AIS), 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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: Perform technology demonstrations and analyses of proposed new capabilities	43.206	48.415	28.088	-	28.088
Articles:	-	-	-	-	-
FY 2014 Accomplishments: Continued development of integration design of new P-8A capabilities. Conducted laboratory and development testing. Incrementally funded primary Integration/Engineering & Manufacturing Development (EMD) contract for comprehensive design, installation, test and initial fielding of all Spiral One (Increment 2) capabilities such as Multi-Static Active Coherent (MAC), Automatic Identification System (AIS), and Rapid Capabilities Insertion (RCI). Maintained integration alignment with external development programs.					
FY 2015 Plans: Continue development of integration design of new P-8A capabilities. Achieve MAC Early Operational Capability. Conduct laboratory and development testing. Incrementally fund primary Integration/EMD contract for comprehensive design, installation, test and initial fielding of all Spiral One (Increment 2) capabilities such as MAC, AIS, and RCI. Maintain integration alignment with external development programs.					
FY 2016 Base Plans: Complete development of integration design of new P-8A capabilities. Complete laboratory and development testing. Incrementally fund primary Integration/EMD contract for comprehensive design, installation, test and					

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 3181 / <i>P-8A Spiral One Development</i>

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
initial fielding of all Spiral One (Increment 2) capabilities such as MAC, AIS, and RCI. Maintain integration alignment with external development programs. Achieve ECP2 Initial Operational Capability. FY 2016 OCO Plans: N/A					
Title: Conduct technical, cost, risk and logistics analysis of proposed technologies Articles:	14.418 -	20.043 -	11.397 -	- -	11.397 -
FY 2014 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. Conducted flight testing of Spiral One (Increment 2) capabilities. Provided technical and management support for the development of training courseware.					
FY 2015 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 Spiral One (Increment 2) capabilities. Provide technical and management support for the development of training courseware.					
FY 2016 Base Plans: Complete technical, cost, risk and logistics analysis of proposed technologies. Complete technical and management support for the development of acquisition documentation. Complete engineering and management of technical development effort. Complete flight testing of Spiral One (Increment 2) capabilities. Complete technical and management support for the development of training courseware.					
FY 2016 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	57.624	68.458	39.485	-	39.485

C. Other Program Funding Summary (\$ in Millions)										
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete Total Cost
• APN5/0586: <i>P-8 Series</i>	9.485	29.797	28.492	-	28.492	20.920	21.805	208.237	212.397	2,194.656 2,730.684

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 3181 / <i>P-8A Spiral One Development</i>

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

<u>Line Item</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
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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, Spiral One (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 Spiral One (Increment 2) Engineering Change Proposals (ECPs).

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy **Date:** February 2015

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A)	Project (Number/Name) 3181 / P-8A Spiral One Development
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Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Primary HW Dev - Integration/EMD	C/CPFF	Boeing : Seattle, WA	33.279	35.316	Nov 2013	42.283	Nov 2014	23.240	Nov 2015	-		23.240	-	134.118	134.118
Sys Eng (gov)	WR	NAWC AD : Pax River, MD	25.532	7.890	Nov 2013	6.132	Nov 2014	4.848	Nov 2015	-		4.848	-	44.402	-
Prior year Prod Dev cost no longer funded in the FYDP	Various	Various : Various	23.454	-		-		-		-		-	-	23.454	-
Subtotal			82.265	43.206		48.415		28.088		-		28.088	-	201.974	-

Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Integrated Logistics Sup	WR	NAWC AD : Pax River, MD	2.649	0.369	Nov 2013	0.728	Nov 2014	0.723	Nov 2015	-		0.723	-	4.469	-
Prior year Support cost no longer funded in the FYDP	Various	Various : Various	0.742	-		-		-		-		-	-	0.742	-
Subtotal			3.391	0.369		0.728		0.723		-		0.723	-	5.211	-

Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Dev Test & Eval	WR	NAWC AD : Pax River, MD	5.821	8.881	Nov 2013	8.475	Nov 2014	-		-		-	-	23.177	-
GFE/GFI/GFP	WR	NAWC AD : Pax River, MD	10.821	3.280	Nov 2013	6.627	Nov 2014	6.600	Nov 2015	-		6.600	-	27.328	-
Oper Test & Eval	WR	NAWC AD : Pax River, MD	0.000	-		2.544	Nov 2014	2.600	Nov 2015	-		2.600	-	5.144	-
Subtotal			16.642	12.161		17.646		9.200		-		9.200	-	55.649	-

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Navy **Date:** February 2015

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A)	Project (Number/Name) 3181 / P-8A Spiral One Development
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P-8A Spiral One Development	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Acquisition Milestones																												
Milestones																												
Systems Development																												
Acquisition Phases	Integration/EMD																											
Test & Evaluation																												
Technical Evaluation	DT/IT																											
Operational Evaluation													OT&E (EOC)				OT&E (IOC)											
Production Milestones																												
Contract Awards	RETROFIT KITS (ECP1)				RETROFIT KITS (ECP2)																							
Deliveries																												
													Kit Deliveries (APN)															

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 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)	2	2015	2	2015
Acquisition Milestones: Milestones: Initial Operational Capability (IOC)	3	2016	3	2016
Systems Development: Acquisition Phases: Integration/EMD	1	2014	2	2016
Test & Evaluation: Technical Evaluation: Developmental Testing (Integration Testing)	1	2014	2	2015
Test & Evaluation: Operational Evaluation: Operational Test & Evaluation (OT&E) (EOC)	1	2015	2	2015
Test & Evaluation: Operational Evaluation: Operational Test & Evaluation (OT&E) (IOC)	4	2015	2	2016
Production Milestones: Contract Awards: Retrofit Kits (ECP1)	3	2014	3	2014
Production Milestones: Contract Awards: Retrofit Kits (ECP2)	2	2015	2	2015
Deliveries: Kit Deliveries (APN)	2	2015	1	2018

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A)				Project (Number/Name) 3218 / P-8A Spiral 2 Development			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
3218: P-8A Spiral 2 Development	25.242	27.305	72.029	104.116	-	104.116	189.501	185.567	197.548	153.350	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

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, Spiral 2 (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 Pre-Engineering Manufacturing Development phase of Increment 3 for the P-8A and Tactical Operations Center (TOC)(ground support facility). Acquisition Decision Memorandum, dated 18 October 2013, approved Pre-Engineering Development activities leading up to MS B.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: Perform technology demonstrations and analyses of proposed new capabilities	22.611	64.671	94.669	-	94.669
Articles:	-	-	-	-	-
FY 2014 Accomplishments:					
Continued government led competitive prototyping efforts for Spiral 2 (Increment 3) Architecture. Awarded development contracts for Spiral 2 (Increment 3) Architecture and other Spiral 2 (Increment 3) capabilities such as Multi-Static Active Coherent (MAC) Enhancement development. Began Risk Reduction Interface for architecture to include development of system interfaces. Continued P-8A TOC design and integration efforts.					
FY 2015 Plans:					
Increase government led Lead System Integrator (LSI) Spiral 2 (Increment 3) architecture prototyping, capability application prototyping, and integration analysis efforts. Ramp up initial Spiral 2 (Increment 3) execution of Applications Based Architecture competitive software development contracts. Continue execution of Spiral 2 (Increment 3) Risk Reduction Interface contracting efforts. Initiate execution of Risk Reduction Capabilities Analysis contract effort to identify capability Size Weight Power and Cooling (SWAP-C) efficiencies. Continued ramp up of Capability Development and Integration efforts to include MAC Enhancements, Net Enabled Weapon, and Sensor Upgrades. Continue P-8A TOC design and integration efforts.					
FY 2016 Base Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 3218 / <i>P-8A Spiral 2 Development</i>

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
<p>Continue execution of Spiral 2 (Increment 3) Applications Based Architecture (ABA) system development, Risk Reduction Interface and Risk Reduction Capability Integration Analysis contracting efforts. Continue Lead System Integrator (LSI) Spiral 2 (Increment 3) core mission system architecture prototyping, capability application prototyping, and integration analysis efforts. Continue Capability Development and Integration maturity analysis efforts to include Anti-Submarine Warfare (ASW) capability, Wide Band SATCOM, Net Enabled Weapon, and Sensor Upgrades. Continue P-8A TOC design and integration efforts. Prepare, create, and conduct program Milestone activities in preparation of formal "Ready For Proposal (RFP) Release" Milestone. Prepare and execute all Increment 3 System Engineering Technical Review (SETR) activities necessary to conduct formal program Preliminary Design Review (PDR) event.</p> <p>FY 2016 OCO Plans: N/A</p>					
<p>Title: Conduct technical, cost, risk and logistics analysis of proposed technologies</p> <p align="right">Articles:</p>	4.694	7.358	9.447	-	9.447
<p>FY 2014 Accomplishments: 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 technical development effort. Continued government prototyping.</p> <p>FY 2015 Plans: 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. Increase in government led prototyping.</p> <p>FY 2016 Base Plans: Conduct technical, cost, risk and logistics analysis of proposed technologies. Evaluate system requirements through</p>	-	-	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 3218 / <i>P-8A Spiral 2 Development</i>

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
cost/performance trade-off analysis. Provide technical and management support for the development of acquisition documentation. Provide engineering and management of technical development effort. Increase in government led prototyping. FY 2016 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	27.305	72.029	104.116	-	104.116

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
• APN5/0586: <i>P-8 Series</i>	9.485	29.797	28.492	-	28.492	20.920	21.805	208.237	212.397	2,194.656	2,730.684

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, Spiral 2 (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, 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 FY21. These capabilities and other emergent capability requirements will be investigated during the Pre-Engineering Manufacturing Development phase of Increment 3 for the P-8A and Tactical Operation Center (ground support facility).

E. Performance Metrics
The Acquisition Strategy signed by OSD on 18 October 2013, authorizes execution of Pre-EMD activities leading up to a MS B, eliminating MS A; Milestone B to be completed 3rd quarter 2017.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy **Date:** February 2015

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A)	Project (Number/Name) 3218 / P-8A Spiral 2 Development
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Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Primary Hdw Dev - RR Interface	C/CPIF	Boeing : Seattle	0.000	3.344	Jun 2014	5.717	Jan 2015	5.802	Nov 2015	-		5.802	-	14.863	14.863
Primary HW Dev - Capability Analysis	C/CPIF	Boeing : Seattle	0.000	-		5.000	Jul 2015	23.512	Mar 2016	-		23.512	25.000	53.512	53.512
Primary HW Dev - ABA Vendor A	C/CPIF	Raytheon : Dallas, TX	0.000	1.412	Dec 2014	9.432	Feb 2015	8.906	Nov 2015	-		8.906	0.970	20.720	20.720
Primary HW Dev - ABA Vendor B	C/CPIF	Lockheed Martin : Manassas, VA	0.000	1.412	Dec 2014	9.432	Feb 2015	9.328	Nov 2015	-		9.328	0.970	21.142	21.142
Primary HW Dev - EMD ABA	TBD	TBD : TBD	0.000	-		-		-		-		-	85.864	85.864	85.864
Primary HW Dev - EMD Platform Integration	TBD	TBD : TBD	0.000	-		-		-		-		-	94.959	94.959	94.959
Primary HW Dev - Prototyping	Various	Various : Various	0.000	1.440	Dec 2014	1.000	Mar 2015	1.000	Nov 2015	-		1.000	0.877	4.317	-
Primary HW Dev - MAC Enhancements	Various	Various : Various	3.947	8.000	Nov 2013	11.000	Nov 2014	-		-		-	-	22.947	-
RCI2 - ECP3	C/CPIF	Boeing : Seattle	0.000	-		7.716	Dec 2014	26.817	Nov 2015	-		26.817	12.500	47.033	47.033
Capability Development & Integration	WR	NAWC AD : Pax River, MD	0.150	0.052	Nov 2013	6.952	Nov 2014	10.044	Nov 2015	-		10.044	17.049	34.247	-
Capability Development & Integration	Various	TBD/Various : TBD/Various	0.000	-		-		-		-		-	322.036	322.036	322.036
Sys Eng (gov)	WR	NAWC AD : Pax River, MD	10.828	6.951	Nov 2013	8.422	Nov 2014	9.260	Nov 2015	-		9.260	59.321	94.782	-
Prior year Prod dev no longer funded in the FYDP	Various	Various : Various	3.665	-		-		-		-		-	-	3.665	3.665
Subtotal			18.590	22.611		64.671		94.669		-		94.669	619.546	820.087	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015				
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)								
1319 / 5				PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A)				3218 / P-8A Spiral 2 Development								
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	0.660	0.489	Nov 2013	0.685	Nov 2014	0.757	Nov 2015	-		0.757	4.418	7.009	-	
Studies & Analysis	C/CPFF	JHU : Pax River, MD	1.558	0.123	Nov 2013	0.763	Nov 2014	0.801	Nov 2015	-		0.801	0.841	4.086	4.086	
Subtotal			2.218	0.612		1.448		1.558		-		1.558	5.259	11.095	-	
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	0.305	0.300	Nov 2013	0.883	Nov 2014	1.295	Nov 2015	-		1.295	Continuing	Continuing	Continuing	
GFE/GFI/GFP	WR	NAWC AD : Pax River, MD	0.000	-		-		1.279	Nov 2015	-		1.279	21.344	22.623	-	
Oper Test & Eval	WR	NAWC AD : Pax River, MD	0.000	-		-		-		-		-	62.332	62.332	-	
Test Assets	WR	NAWC AD : Pax River, MD	0.000	-		-		-		-		-	32.832	32.832	-	
Subtotal			0.305	0.300		0.883		2.574		-		2.574	-	-	-	
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Eng Tech Serv (NON-FFRDC)	C/CPFF	Various : Various	1.123	0.907	Nov 2013	0.934	Nov 2014	0.980	Nov 2015	-		0.980	0.490	4.434	4.434	
Mgmt Suppt Serv (NON-FFRDC)	C/CPFF	RBC : Alexandria, VA	1.988	1.783	Nov 2013	2.471	Nov 2014	2.563	Nov 2015	-		2.563	10.122	18.927	18.927	
Program Mgmt Support	WR	NAWC AD : Pax River, MD	1.018	1.090	Nov 2013	1.522	Nov 2014	1.672	Nov 2015	-		1.672	6.111	11.413	-	
Travel	Allot	NAWC AD : Pax River, MD	0.000	0.002	Oct 2013	0.100	Oct 2014	0.100	Oct 2015	-		0.100	0.500	0.702	-	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy **Date:** February 2015

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 3218 / <i>P-8A Spiral 2 Development</i>
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Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Subtotal			4.129	3.782		5.027		5.315		-		5.315	17.223	35.476	-

Remarks
Continued engineering and management support reflected in FY16 profile are necessary to mature prototyping efforts.

	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	25.242	27.305	72.029	104.116	-	104.116	-	-	-

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Navy **Date:** February 2015

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A)	Project (Number/Name) 3218 / P-8A Spiral 2 Development
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P-8A Spiral 2 Development	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020							
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q				
Acquisition Milestones																																
Milestones																																
Systems Development																																
	H/W DEV																															
	Risk Reduction																															
	Prototyping																															
	Capability Development & Integration																															
	EMD																															
Reviews																																
													PDR 1				PDR 2				CDR											
Test & Evaluation																																
													Lab Testing								IT											
Contract Awards																																
	RR Interface				H/W Dev ABA				Cap Analysis				Cap Dev				EMD ABA HW				EMD Platform Integ											
Deliveries																																

2016PB - 0605500N - 3218

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 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 B	3	2017	3	2017
Systems Development: Hardware Development	1	2014	3	2017
Systems Development: Risk Reduction	1	2014	3	2017
Systems Development: Prototyping	1	2014	3	2017
Systems Development: Capability Development & Integration	4	2014	4	2020
Systems Development: Engineering Manufacturing & Development (EMD)	3	2017	3	2020
Systems Development: Reviews: Preliminary Design Review (PDR) 1	2	2017	2	2017
Systems Development: Reviews: Preliminary Design Review (PDR) 2	2	2018	2	2018
Systems Development: Reviews: Critical Design Review (CDR)	3	2019	3	2019
Test & Evaluation: Integrated Test (IT)	3	2018	4	2020
Test & Evaluation: Lab Testing	1	2016	2	2018
Contract Awards: Contract Award - Hardware Development ABA	1	2015	1	2015
Contract Awards: Contract Award - Risk Reduction Interface	3	2014	3	2014
Contract Awards: Contract Award - Capability Analysis	4	2015	4	2015
Contract Awards: Engineering Manufacturing & Development (EMD) ABA Hardware	4	2017	4	2017
Contract Awards: Engineering Manufacturing & Development (EMD) Platform Integration	4	2017	4	2017
Contract Awards: Capabilities Development	2	2017	2	2017

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy **Date:** February 2015

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 3368 / <i>P-8 Improvements</i>
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COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
3368: <i>P-8 Improvements</i>	-	-	-	1.510	-	1.510	2.077	3.064	10.230	10.435	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The P-8A Multi-mission Maritime Aircraft (MMA) program also includes a sequence of Rapid Capability Insertions (RCI) and rapid development efforts to respond to evolving threats which will retain cost-wise effectiveness for winning major combat operations beyond 2020. In order to pace the threat, these efforts will incorporate incremental software and hardware improvements to existing sensors, communications systems, mission systems, weapons capabilities and Tactical Operations Center (TOC) to build on the P-8A capability baseline. These capabilities, and other emergent capability requirements, will be prioritized through the Navy Integration and Interoperability (I&I)-aligned Capability Prioritization Process (CPP) and P-8A Tier 3 Capability Roadmap. The CPP process will be supported by detailed analysis and the maturation of developing technologies.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
<p>Title: Perform technology demonstrations and analyses of proposed new capabilities</p> <p align="right">Articles:</p> <p>FY 2014 Accomplishments: N/A</p> <p>FY 2015 Plans: N/A</p> <p>FY 2016 Base Plans: Develop Rapid Capability Insertions to incorporate incremental software and hardware improvements to build on the P-8A capability baseline.</p> <p>FY 2016 OCO Plans: N/A</p>	-	-	1.170	-	1.170
<p>Title: Conduct technical, cost, risk and logistics analysis of proposed technologies</p> <p align="right">Articles:</p> <p>FY 2014 Accomplishments: N/A</p> <p>FY 2015 Plans:</p>	-	-	0.340	-	0.340

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 3368 / <i>P-8 Improvements</i>

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
N/A					
<i>FY 2016 Base 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. Increase in government led prototyping.					
<i>FY 2016 OCO Plans:</i> N/A					
Accomplishments/Planned Programs Subtotals	-	-	1.510	-	1.510

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

N/A

Remarks

D. Acquisition Strategy

The P-8A Multi-mission Maritime Aircraft (MMA) program also includes a sequence of Rapid Capability Insertions (RCI) and rapid development efforts to respond to evolving threats which will retain cost-wise effectiveness for winning major combat operations beyond 2020. In order to pace the threat, these efforts will incorporate incremental software and hardware improvements to existing sensors, communications systems, mission systems, weapons capabilities and Tactical Operations Center (TOC) to build on the P-8A capability baseline. These capabilities, and other emergent capability requirements, will be prioritized through the Navy Integration and Interoperability (I&I)-aligned Capability Prioritization Process (CPP) and P-8A Tier 3 Capability Roadmap. The CPP process will be supported by detailed analysis and the maturation of developing technologies.

E. Performance Metrics

Complete ABA prototyping on capabilities beyond Increment 3.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015				
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)								
1319 / 5				PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A)				3368 / P-8 Improvements								
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 - P-8A Improvements	TBD	TBD : TBD	0.000	-		-		-		-		-	Continuing	Continuing	Continuing	
Sys Eng - Gov	WR	NAWCAD : Pax River, MD	0.000	-		-		1.170	Nov 2015	-		1.170	Continuing	Continuing	Continuing	
Subtotal			0.000	-		-		1.170		-		1.170	-	-	-	
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 Support	WR	NAWCAD : Pax River, MD	0.000	-		-		-		-		-	Continuing	Continuing	Continuing	
Subtotal			0.000	-		-		-		-		-	-	-	-	
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	NAWCAD : Pax River, MD	0.000	-		-		-		-		-	-	-	-	
Subtotal			0.000	-		-		-		-		-	-	-	-	
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Eng Tech Serv (NON-FFRDC)	Various	Various : Various	0.000	-		-		0.105	Nov 2015	-		0.105	Continuing	Continuing	Continuing	
Mgmt Support Serv	C/CPFF	RBC : Alexandria, VA	0.000	-		-		0.105	Nov 2015	-		0.105	Continuing	Continuing	Continuing	

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Navy **Date:** February 2015

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 3368 / <i>P-8 Improvements</i>
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P-8 Improvements	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020															
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q												
Systems Development <div style="margin-left: 40px;">Rapid Capability Insertion</div>																																								
									RCI																															

2016OSD - 0605500N - 3368

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 3368 / <i>P-8 Improvements</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>P-8 Improvements</i>				
Systems Development: Rapid Capability Insertion: Rapid Capability Insertion	2	2016	4	2020

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy **Date:** February 2015

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 9999 / <i>Congressional Adds</i>
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COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
9999: <i>Congressional Adds</i>	47.817	5.000	15.000	-	-	-	-	-	-	-	-	67.817
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Congressional Add.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2014	FY 2015
<i>Congressional Add:</i> Small Business Technology Insertion <i>FY 2014 Accomplishments:</i> N/A <i>FY 2015 Plans:</i> N/A	-	15.000
<i>Congressional Add:</i> P-8A Sensor Development - Cong <i>FY 2014 Accomplishments:</i> N/A <i>FY 2015 Plans:</i> N/A	5.000	-
Congressional Adds Subtotals	5.000	15.000

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 2016 Navy **Date:** February 2015

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A)	Project (Number/Name) 9999 / Congressional Adds
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Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Primary HW Dev - NAWCAD	WR	NAWC AD : Patuxent River, MD	0.435	0.200	Jul 2014	1.500	May 2015	-		-		-	-	2.135	-
Primary HW Dev - Progeny	C/CPFF	PROGENY : Manassas, VA	19.453	-		10.000	Sep 2015	-		-		-	-	29.453	29.453
Primary HW Dev - SBIR - Various	Various	Various : Various	25.250	-		3.500	Sep 2015	-		-		-	-	28.750	28.750
Primary HD Dev - Prototyping - Various	Various	Various : Various	0.000	-		-		-		-		-	-	-	-
Primary HD Dev - Sensor Development	Various	Various : Various	0.000	4.800	Aug 2014	-		-		-		-	-	4.800	4.800
Subtotal			45.138	5.000		15.000		-		-		-	-	65.138	-

Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Engineering Services	WR	NAWC AD : Patuxent River, MD	0.458	-		-		-		-		-	-	0.458	0.458
Mgmt Suppt Serv (NONFFRDC)	C/CPFF	RBC INC : Alexandria,	2.221	-		-		-		-		-	-	2.221	2.221
Subtotal			2.679	-		-		-		-		-	-	2.679	2.679

Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals		47.817	5.000	15.000	-	-	-	-	67.817	-

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Navy **Date:** February 2015

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 9999 / <i>Congressional Adds</i>
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Proj 9999	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020							
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q				
P-8A Sensor Development																																

2016PB - 0605500N - 9999

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy		Date: February 2015
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	Project (Number/Name) 9999 / <i>Congressional Adds</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 9999				
P-8A Sensor Development: Schedule Detail	1	2014	4	2014