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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Navy Date: May 2017

<b>Appropriation/Budget Activity</b> 1319: Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)	<b>R-1 Program Element (Number/Name)</b> PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A)
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COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	8,071.080	151.472	59.126	11.795	-	11.795	19.687	10.353	10.563	10.774	Continuing	Continuing
2696: Multi-Mission Maritime Aircraft	7,760.798	99.523	57.119	8.995	-	8.995	9.527	0.000	0.000	0.000	0.000	7,935.962
3181: P-8A Spiral One Development	242.910	38.389	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	281.299
3368: P-8 Improvements	0.000	1.491	2.007	2.800	-	2.800	10.160	10.353	10.563	10.774	Continuing	Continuing
9999: Congressional Adds	67.372	12.069	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	79.441

**Program MDAP/MAIS Code:**  
**Project MDAP/MAIS Code(s):** 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) supported 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.

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. 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

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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Navy				Date: May 2017		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
1319: Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)		PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A)				
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).						
The P-8A Spiral Two (Increment 3) program consist of sequential incremental enhancements to system capabilities that will retain cost-wise effectiveness for major combat operations. Increment 3 will incorporate improvements to aircraft systems including Combat System architecture improvements, ASW and ASuW sensor improvements, communication capability upgrades, ASuW Net Enabled Weapon (NEW), Higher-Than-Secret (HTS) security capability, and High Altitude ASW Weapons Capability (HAAWC) with datalink. Increment 3 has transferred from this PE 0605500N to PE 0605504N.						
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. 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.						
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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget		156.293	59.126	21.861	-	21.861
Current President's Budget		151.472	59.126	11.795	-	11.795
Total Adjustments		-4.821	0.000	-10.066	-	-10.066
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-0.001	0.000			
• SBIR/STTR Transfer		-4.821	0.000			
• Program Adjustments		0.000	0.000	-10.098	-	-10.098
• Rate/Misc Adjustments		0.001	0.000	0.032	-	0.032

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> FY 2018 Navy		<b>Date:</b> May 2017	
<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 5: System Development &amp; Demonstration (SDD)</i>		<b>R-1 Program Element (Number/Name)</b> PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	
<b><u>Congressional Add Details (\$ in Millions, and Includes General Reductions)</u></b>		<b>FY 2016</b>	<b>FY 2017</b>
<b>Project:</b> 9999: <i>Congressional Adds</i> Congressional Add: <i>Small Business Technology Insertion</i>		12.069	0.000
Congressional Add Subtotals for Project: 9999		12.069	0.000
Congressional Add Totals for all Projects		12.069	0.000
<b><u>Change Summary Explanation</u></b> Technical: Not applicable.  Schedule: Project 2696: In order to clarify and better portray the actual work being performed, divided Fatigue Testing / Air to Air Refueling (AAR) into Fatigue Testing and AAR Testing and added AAR Analysis & Initial Fielding and Fatigue Analysis events.  One (1) additional FY14 (FRP 1) funded aircraft (total 17) and one (1) FY16 (FRP 3) funded aircraft (total 17) were procured via the FY16 Lot 7 contract as a result of The Department of the Navy's Congressional Notification of the use of Buy to Budget authority under 10 U.S.C. 2308. Because these aircraft did not include any Advanced Procurement funding, the delivery schedules extend beyond the planned 12 month period applicable for the remainder of the FY16 (FRP 3) aircraft. The FY14 (FRP 1) funded aircraft will deliver in February 2019  Project 3218: Funding transferred from PE 0605500N to PE 0605504N.  Project 3368: In order to clarify and better portray the actual work being performed, added RCI-4 / MAC Processing Improvements and RCI-4 Theatre ASW Interoperability Improvements events.			

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy										Date: May 2017		
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			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
2696: Multi-Mission Maritime Aircraft	7,760.798	99.523	57.119	8.995	-	8.995	9.527	0.000	0.000	0.000	0.000	7,935.962
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		
Project MDAP/MAIS Code: 334												

**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 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. 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) supported 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 and the baseline air to air refueling. P-8A entered Production and Deployment phase in the 4th quarter of FY10 and entered Full Rate Production in 2nd quarter of FY14.

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

	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018 Base</b>	<b>FY 2018 OCO</b>	<b>FY 2018 Total</b>
<b>Title:</b> Continue System Development & Demonstration	79.012	53.175	8.410	0.000	8.410
<b>Articles:</b>	-	-	-	-	-
<b>FY 2016 Accomplishments:</b>					
SDD phase. Scope of effort included: engineering for identified and prioritized deficiencies; supporting and updating ground and flight test articles (Stage I and II); completed Horizontal Stabilizer (H-Stab) fatigue and					

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy				Date: May 2017		
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		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
residual strength testing; conducted Air to Air Refueling (AAR) ground and developmental flight testing and Second Lifetime Full-Scale Fatigue Test cycling.  <b>FY 2017 Plans:</b> SDD phase. Scope of effort includes: support and update to ground and flight test articles (Stage I and II); continuation of Third Lifetime Full-Scale Fatigue Test cycling; AAR Operational Test, analysis, and fielding of capability.  <b>FY 2018 Base Plans:</b> SDD phase. Scope of effort includes: support and update to ground and flight test articles (Stage I and II), continuation of Third Lifetime Full-Scale Fatigue Test analysis and completion of H-Stab static testing analysis.  <b>FY 2018 OCO Plans:</b> N/A						
<b>Title:</b> Continue Engineering and Technical Development and Test for Sys Dev & Demonstration contracts <b>Articles:</b>  <b>FY 2016 Accomplishments:</b> Continued analysis of contracted deliverables; directed technical and logistic support of system development test aircraft; completed third period of Follow-On Test and Evaluation FOT&E and VCD, AAR ground and developmental flight testing; H-Stab fatigue and residual strength testing and Second Lifetime Full Scale Fatigue Test cycling completed; evaluated contract cost, schedule, and performance; conducted test preparations; provided necessary government furnished equipment and test articles; performed risk assessment/mitigation, program control, and performance status.  <b>FY 2017 Plans:</b> Continue analysis of contracted deliverables; direct technical and logistic support of system development test aircraft; Air to Air Refueling operational testing; fatigue testing; complete H-Stab static testing and Third Lifetime Full Scale Fatigue Test cycling; 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.  <b>FY 2018 Base Plans:</b> Continue analysis of contracted deliverables; direct technical and logistic support of system development test aircraft; conduct fatigue analysis and delivery of reports; evaluate contract cost, schedule, and performance; test		20.511 -	3.944 -	0.585 -	0.000 -	0.585 -

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<b>Exhibit R-2A, RDT&amp;E Project Justification: FY 2018 Navy</b>		<b>Date:</b> May 2017
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	<b>Project (Number/Name)</b> 2696 / <i>Multi-Mission Maritime Aircraft</i>

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

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018 Base</b>	<b>FY 2018 OCO</b>	<b>FY 2018 Total</b>
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.					
<b><i>FY 2018 OCO Plans:</i></b> N/A					
<b>Accomplishments/Planned Programs Subtotals</b>	99.523	57.119	8.995	0.000	8.995

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

[illegible]

### 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. Completed second and third FOT&E and VCD Feb 2015 and Dec 2015. Completed Air to Air Refueling (AAR) ground and developmental flight testing, H-Stab fatigue and residual strength testing, and Second Lifetime Full- Scale Fatigue Test cycling in FY16. H-Stab static and AAR operational test will be completed in FY17.

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy												Date: May 2017			
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					
Product Development (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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 - Boeing	C/CPAF	Boeing : Seattle, WA	6,874.899	76.649	Mar 2016	52.081	Oct 2016	7.751	Oct 2017	-		7.751	8.954	7,020.334	7,020.334
Sys Eng (gov)	WR	NAWC AD : Pax River, MD	76.386	5.890	Dec 2015	1.094	Nov 2016	0.659	Nov 2017	-		0.659	0.000	84.029	-
Prior year Prod Dev cost no longer funded in the FYDP	Various	Various : Various	319.530	0.000		0.000		0.000		-		0.000	0.000	319.530	-
Subtotal			7,270.815	82.539		53.175		8.410		-		8.410	8.954	7,423.893	-
Remarks The total award fee issued to date is 2.6% of the total budget.															
Support (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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
Int. Log Gov	WR	NAWC AD : Pax River, MD	43.718	0.200	Dec 2015	0.086	Nov 2016	0.000		-		0.000	0.000	44.004	-
Tech Dev Gov	WR	NAWC AD : Pax River, MD	76.093	0.998	Dec 2015	0.162	Nov 2016	0.162	Nov 2017	-		0.162	0.165	77.580	-
Prior year Support cost no longer funded in the FYDP	Various	Various : Various	31.369	0.000		0.000		0.000		-		0.000	0.000	31.369	-
Subtotal			151.180	1.198		0.248		0.162		-		0.162	0.165	152.953	-
Test and Evaluation (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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	NAWC AD : Pax River, MD	93.398	5.996	Dec 2015	1.525	Nov 2016	0.000		-		0.000	0.000	100.919	-
GFE & GFI	WR	NAWC AD : Pax River, MD	85.036	4.508	Nov 2015	0.821	Nov 2016	0.000		-		0.000	0.000	90.365	-

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy													Date: May 2017		
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					
Test and Evaluation (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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
Oper Test & Eval	WR	NAWC AD : Pax River, MD	6.284	0.358	Nov 2015	0.416	Nov 2016	0.000		-		0.000	0.000	7.058	-
Prior year T&E cost no longer funded in the FYDP	Various	Various : Various	39.471	0.000		0.000		0.000		-		0.000	0.000	39.471	-
Subtotal			224.189	10.862		2.762		0.000		-		0.000	0.000	237.813	-
Management Services (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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
Mgmt Suppt Serv (NON-FFRDC)	C/CPFF	RBC INC : Alexandria, VA	30.099	1.820	Dec 2015	0.311	Nov 2016	0.000		-		0.000	0.000	32.230	32.230
Eng Tech Serv (NON-FFRDC)	C/CPFF	ASEC : Lexington Park MD	11.145	0.308	Mar 2016	0.200	Nov 2016	0.000		-		0.000	0.000	11.653	11.653
Program Mgmt Support	WR	NAWC AD : Pax River, MD	49.178	2.476	Dec 2015	0.360	Nov 2016	0.360	Nov 2017	-		0.360	0.358	52.732	-
Travel	Allot	NAWC AD : Pax River, MD	3.834	0.320	Dec 2015	0.063	Nov 2016	0.063	Nov 2017	-		0.063	0.050	4.330	-
Prior year Mgmt cost no longer funded in the FYDP	Various	Various : Various	20.358	0.000		0.000		0.000		-		0.000	0.000	20.358	-
Subtotal			114.614	4.924		0.934		0.423		-		0.423	0.408	121.303	-
			Prior Years	FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			7,760.798	99.523		57.119		8.995		-		8.995	9.527	7,935.962	-
Remarks															

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**Exhibit R-4, RDT&E Schedule Profile: FY 2018 Navy**

**Date:** May 2017

**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

Multi-Mission Maritime Aircraft		FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022			
		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																													
Hardware/Software Development		Air to Air Refueling																											
Test & Evaluation	Testing	Air to Air Refueling Testing																											
		Fatigue Testing (Second / Third Lifetime)																											
	Technical Evaluation	Air to Air Refueling Analysis &Initial Fielding																											
Fatigue Analysis																													
Production Milestones		LRIP								FRP																			
Deliveries																													
LRIP/FRP Aircraft (APN)																													
LRIP 4		3	4	1										1															
FRP 1			3	4		4		4		1																			
FRP 2						2	4	3																					
FRP 3									3	4	4	6																	
FRP 4														1	4	2	3	3	4										
FRP 5																		2	4	1									
FRP 6																			2	2	3								
FRP 7																					2				3	1			

2018OSD - 0605500N - 2696

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<b>Exhibit R-4A, RDT&amp;E Schedule Details: FY 2018 Navy</b>			<b>Date:</b> May 2017
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A)	<b>Project (Number/Name)</b> 2696 / Multi-Mission Maritime Aircraft	

**Schedule Details**

<b>Events by Sub Project</b>	<b>Start</b>		<b>End</b>	
	<b>Quarter</b>	<b>Year</b>	<b>Quarter</b>	<b>Year</b>
<b>Multi-Mission Maritime Aircraft</b>				
Systems Development: Hardware/Software Development: Air to Air Refueling	1	2016	2	2017
Test & Evaluation: Testing: Air to Air Refueling Testing	1	2016	2	2017
Test & Evaluation: Testing: Fatigue Testing (Second / Third Lifetime)	1	2016	4	2017
Test & Evaluation: Technical Evaluation: Air to Air Refueling Analysis & Initial Fielding	4	2016	4	2017
Test & Evaluation: Technical Evaluation: Fatigue Analysis	4	2017	4	2019
Production Milestones: Low Rate Initial Production (LRIP)	1	2016	3	2016
Production Milestones: Full Rate Production (FRP)	1	2016	2	2022
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 1: FRP Aircraft (APN) Q2 2019	2	2019	2	2019
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 3: FRP Aircraft (APN) Q2 2018	2	2018	2	2018
Deliveries: FRP 3: FRP Aircraft (APN) Q3 2018	3	2018	3	2018

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Exhibit R-4A, RDT&amp;E Schedule Details: FY 2018 Navy

Date: May 2017

## 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

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
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 4: FRP Aircraft (APN) Q2 2019	2	2019	2	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
Deliveries: FRP 5: FRP Aircraft (APN) Q4 2020	4	2020	4	2020
Deliveries: FRP 5: FRP Aircraft (APN) Q1 2021	1	2021	1	2021
Deliveries: FRP 5: FRP Aircraft (APN) Q2 2021	2	2021	2	2021
Deliveries: FRP 6: FRP Aircraft (APN) Q2 2021	2	2021	2	2021
Deliveries: FRP 6: FRP Aircraft (APN) Q3 2021	3	2021	3	2021
Deliveries: FRP 6: FRP Aircraft (APN) Q4 2021	4	2021	4	2021
Deliveries: FRP 7: FRP Aircraft (APN) Q1 2022	1	2022	1	2022
Deliveries: FRP 7: FRP Aircraft (APN) Q3 2022	3	2022	3	2022
Deliveries: FRP 7: FRP Aircraft (APN) Q4 2022	4	2022	4	2022

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy										Date: May 2017		
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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
3181: P-8A Spiral One Development	242.910	38.389	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	281.299
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		
Project MDAP/MAIS Code: 334												
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. 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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Title: Perform technology demonstrations and analyses of proposed new capabilities  Articles:  FY 2016 Accomplishments: Completed development of integration design of new P-8A capabilities. Completed laboratory and development testing. Incrementally funded 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. Maintained integration alignment with external development programs. Achieved ECP2 Initial Operational Capability.  FY 2017 Plans: N/A  FY 2018 Base Plans: N/A  FY 2018 OCO Plans: N/A								30.472	0.000	0.000	0.000	0.000
								-	-	-	-	-
Title: Conduct technical, cost, risk and logistics analysis of proposed technologies  Articles:  FY 2016 Accomplishments:								7.917	0.000	0.000	0.000	0.000
								-	-	-	-	-

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> FY 2018 Navy				<b>Date:</b> May 2017	
<b>Appropriation/Budget Activity</b> 1319 / 5		<b>R-1 Program Element (Number/Name)</b> PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>		<b>Project (Number/Name)</b> 3181 / <i>P-8A Spiral One Development</i>	

  

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018 Base</b>	<b>FY 2018 OCO</b>	<b>FY 2018 Total</b>
<p>Completed technical, cost, risk and logistics analysis of proposed technologies. Completed technical and management support for the development of acquisition documentation. Completed engineering and management of technical development effort. Completed flight testing of Spiral One (Increment 2) capabilities. Completed technical and management support for the development of training courseware.</p> <p><b>FY 2017 Plans:</b> N/A</p> <p><b>FY 2018 Base Plans:</b> N/A</p> <p><b>FY 2018 OCO Plans:</b> N/A</p>					
<b>Accomplishments/Planned Programs Subtotals</b>	38.389	0.000	0.000	0.000	0.000

  

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018 Base</b>	<b>FY 2018 OCO</b>	<b>FY 2018 Total</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• APN5/0586: <i>P-8 Series</i>	28.092	18.836	18.665	-	18.665	186.990	215.321	212.427	210.566	2,146.725	3,079.903
<b>Remarks</b> BLI0586 reflects the P-8A total program funding not just Increment 2											
<b>D. Acquisition Strategy</b> 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. 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.											
<b>E. Performance Metrics</b> Approval of Spiral One (Increment 2) Engineering Change Proposals (ECPs). ECP 1 Fielded to the fleet in 4QFY15.											

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy												Date: May 2017			
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					
Product Development (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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 - Integration/EMD	C/CPFF	Boeing : Seattle, WA	113.493	23.038	Oct 2015	0.000		0.000		-		0.000	0.000	136.531	136.531
Sys Eng (gov)	WR	NAWC AD : Pax River, MD	39.554	6.557	Nov 2015	0.000		0.000		-		0.000	0.000	46.111	-
Prior year Prod Dev cost no longer funded in the FYDP	Various	Various : Various	23.454	0.000		0.000		0.000		-		0.000	0.000	23.454	-
Subtotal			176.501	29.595		0.000		0.000		-		0.000	0.000	206.096	-
Support (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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	3.746	0.778	Nov 2015	0.000		0.000		-		0.000	0.000	4.524	-
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			4.488	0.778		0.000		0.000		-		0.000	0.000	5.266	-
Test and Evaluation (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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	23.177	2.186	Nov 2015	0.000		0.000		-		0.000	0.000	25.363	-
GFE/GFI/GFP	WR	NAWC AD : Pax River, MD	20.728	2.741	Nov 2015	0.000		0.000		-		0.000	0.000	23.469	-
Oper Test & Eval	WR	NAWC AD : Pax River, MD	2.544	1.328	Nov 2015	0.000		0.000		-		0.000	0.000	3.872	-
Subtotal			46.449	6.255		0.000		0.000		-		0.000	0.000	52.704	-

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: FY 2018 Navy</b>													<b>Date:</b> May 2017		
<b>Appropriation/Budget Activity</b> 1319 / 5							<b>R-1 Program Element (Number/Name)</b> PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A)					<b>Project (Number/Name)</b> 3181 / P-8A Spiral One Development			

  

<b>Management Services (\$ in Millions)</b>				<b>FY 2016</b>		<b>FY 2017</b>		<b>FY 2018 Base</b>		<b>FY 2018 OCO</b>		<b>FY 2018 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Engineering Services	C/CPFF	ASEC : Lexington Park, MD	1.288	0.876	Nov 2015	0.000		0.000		-		0.000	0.000	2.164	2.164
Mgmt Suppt Serv (NON-FFRDC)	C/CPFF	RBC INC : Alexandria, VA	8.375	0.761	Dec 2015	0.000		0.000		-		0.000	0.000	9.136	9.136
Program Mgmt Support	WR	NAWC AD : Pax River, MD	5.593	0.124	Nov 2015	0.000		0.000		-		0.000	0.000	5.717	-
Travel	Allot	NAWC AD : Pax River, MD	0.216	0.000		0.000		0.000		-		0.000	0.000	0.216	-
<b>Subtotal</b>			15.472	1.761		0.000		0.000		-		0.000	0.000	17.233	-

  

	<b>Prior Years</b>	<b>FY 2016</b>		<b>FY 2017</b>		<b>FY 2018 Base</b>		<b>FY 2018 OCO</b>		<b>FY 2018 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>	242.910	38.389		0.000		0.000		-		0.000	0.000	281.299	-

  

**Remarks**

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Exhibit R-4, RDT&E Schedule Profile: FY 2018 Navy

Date: May 2017

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

P-8A Spiral One Development	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022			
	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
<b>Acquisition Milestones</b>																												
Milestones				IOC ▲																								
<b>Systems Development</b>																												
Acquisition Phases	Integration/EMD																											
<b>Test &amp; Evaluation</b>																												
Technical Evaluation																												
Operational Evaluation																												
<b>Production Milestones</b>																												
Contract Awards																												
<b>Deliveries</b>																												
	Kit Deliveries (APN)																											

2018DON - 0605500N - 3181

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> FY 2018 Navy			<b>Date:</b> May 2017
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	<b>Project (Number/Name)</b> 3181 / <i>P-8A Spiral One Development</i>	

**Schedule Details**

<b>Events by Sub Project</b>	<b>Start</b>		<b>End</b>	
	<b>Quarter</b>	<b>Year</b>	<b>Quarter</b>	<b>Year</b>
<b><i>P-8A Spiral One Development</i></b>				
Acquisition Milestones: Milestones: Initial Operational Capability (IOC)	4	2016	4	2016
Systems Development: Acquisition Phases: Integration/EMD	1	2016	4	2016
Test & Evaluation: Technical Evaluation: Developmental Testing (Integration Testing)	1	2016	4	2016
Test & Evaluation: Operational Evaluation: Operational Test & Evaluation (OT&E) (IOC)	3	2016	4	2016
Deliveries: Kit Deliveries (APN)	1	2016	3	2017

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy										Date: May 2017		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A)				Project (Number/Name) 3368 / P-8 Improvements			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
3368: P-8 Improvements	0.000	1.491	2.007	2.800	-	2.800	10.160	10.353	10.563	10.774	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. 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)/TACMobile to build on the P-8A capability baseline. These capabilities, and other emergent capability requirements, will be prioritized either through the Navy Integration and Interoperability (I&I)-aligned Capability Prioritization Process (CPP), P-8A Tier 3 Capability Roadmap and/or through an Urgent Operational Need. 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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
<b>Title:</b> Perform technology demonstrations and analyses of proposed new capabilities  <b>Articles:</b>								1.170	1.582	2.338	0.000	2.338
								-	-	-	-	-
								<b>FY 2016 Accomplishments:</b> Commenced Development of Rapid Capability Insertions to incorporate incrementally software and hardware improvements to build on the existing P-8A Capability Baseline				
								<b>FY 2017 Plans:</b> Develop Rapid Capability Insertions to incrementally incorporate software and hardware improvements to build on the existing P-8A Capability Baseline				
<b>FY 2018 Base Plans:</b> Develop Rapid Capability Insertions to incrementally incorporate software and hardware improvements to build on the existing P-8A Capability Baseline												
<b>FY 2018 OCO Plans:</b> N/A												
<b>Title:</b> Conduct technical, cost, risk and logistics analysis of proposed technologies  <b>Articles:</b>								0.321	0.425	0.462	0.000	0.462
<b>FY 2016 Accomplishments:</b>								-	-	-	-	-

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> FY 2018 Navy				<b>Date:</b> May 2017		
<b>Appropriation/Budget Activity</b> 1319 / 5		<b>R-1 Program Element (Number/Name)</b> PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>		<b>Project (Number/Name)</b> 3368 / <i>P-8 Improvements</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>						
		<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018 Base</b>	<b>FY 2018 OCO</b>	<b>FY 2018 Total</b>
<p>Conducted technical, cost, risk and logistic analysis of proposed technologies. Evaluated system requirements through cost/performance trade off analysis. Provided technical and management support of the development of acquisition documentation. Provided engineering management of technical development effort. Increased the government role in prototyping</p> <p><b>FY 2017 Plans:</b> 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><b>FY 2018 Base Plans:</b> 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><b>FY 2018 OCO Plans:</b> N/A</p>						
<b>Accomplishments/Planned Programs Subtotals</b>		1.491	2.007	2.800	0.000	2.800
<b>C. Other Program Funding Summary (\$ in Millions)</b> N/A						
<b>Remarks</b>						
<b>D. Acquisition Strategy</b> 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), P-8A Tier 3 Capability Roadmap and/or through an Urgent Operational Need. The CPP process will be supported by detailed analysis and the maturation of developing technologies.						

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy		Date: May 2017
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>	<b>Project (Number/Name)</b> 3368 / <i>P-8 Improvements</i>

## E. Performance Metrics

## Complete ABA prototyping on capabilities beyond Increment 3.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> FY 2018 Navy										<b>Date:</b> May 2017		
<b>Appropriation/Budget Activity</b> 1319 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i>				<b>Project (Number/Name)</b> 9999 / <i>Congressional Adds</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018 Base</b>	<b>FY 2018 OCO</b>	<b>FY 2018 Total</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
9999: <i>Congressional Adds</i>	67.372	12.069	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	79.441
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**  
Congressional Add.

<b><u>B. Accomplishments/Planned Programs (\$ in Millions)</u></b>	<b>FY 2016</b>	<b>FY 2017</b>
<b><i>Congressional Add:</i></b> Small Business Technology Insertion	12.069	0.000
<b><i>FY 2016 Accomplishments:</i></b> N/A		
<b><i>FY 2017 Plans:</i></b> N/A		
<b>Congressional Adds Subtotals</b>	12.069	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.