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

Date: May 2017

Appropriation/Budget Activity

stem

R-1 Program Element (Number/Name)
PE 0604261N / Acoustic Search Sensors

1319: Research, Development, Test & Evaluation, Navy I BA 5: System

Development & Demonstration (SDD)

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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	456.268	30.637	34.525	37.167	-	37.167	28.962	47.887	48.896	49.868	Continuing	Continuing
0480: ASW Sensors & Proc	351.709	22.053	29.967	33.423	-	33.423	25.012	43.856	44.783	45.672	Continuing	Continuing
3224: High Altitude ASW	104.559	8.584	4.558	3.744	-	3.744	3.950	4.031	4.113	4.196	Continuing	Continuing

A. Mission Description and Budget Item Justification

Includes RDT&E funds for engineering development and operational test and evaluation of acoustic search sensors/systems and complementary equipment for Anti-Submarine Warfare (ASW) aircraft.

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	31.235	34.525	37.696	-	37.696
Current President's Budget	30.637	34.525	37.167	-	37.167
Total Adjustments	-0.598	0.000	-0.529	-	-0.529
 Congressional General Reductions 	-	-			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
 Reprogrammings 	-0.033	0.000			
SBIR/STTR Transfer	-0.565	0.000			
 Program Adjustments 	0.000	0.000	-0.195	-	-0.195
 Rate/Misc Adjustments 	0.000	0.000	-0.334	-	-0.334

Change Summary Explanation

Technical: Not applicable.

Schedule:

0480 Schedule 1. Received technical correction for MAC Enhancements (MAC-E) with funding in FY16-FY22. Updated schedule to better align with P-8A's new acquisition strategy.

PE 0604261N: Acoustic Search Sensors

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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Navy		Date: May 2017
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)	R-1 Program Element (Number/Name) PE 0604261N / Acoustic Search Sensors	
0480 Schedule 2.		
0480 Schedule 3.		
3224 Schedule. The P-8A Initial Operational Capability (IOC) milestor operational test periods were further defined to reflect HAASW require Interference (RFI) Mitigation Analysis was added to the schedule base contract award was then replaced with the planned P-8A integration and the digital telemetry requirement for the SSQ-125 sonobuoy into	ements integration into P-8A ECP 2, ECP 3, and INC 3 to ed on the need to address emergent requirements in the and sonobuoy production contract awards. This aligns wit	esting. The Radio Frequency sonobuoys. The digital telemetry

PE 0604261N: Acoustic Search Sensors Navy

Exhibit R-2A, RDT&E Project Ju	Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy Date: May 2017													
Appropriation/Budget Activity 1319 / 5					, , ,					(Number/Name) SW Sensors & Proc				
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		
0480: ASW Sensors & Proc	351.709	22.053	29.967	33.423	-	33.423	25.012	43.856	44.783	45.672	Continuing	Continuing		
Quantity of RDT&E Articles		200	200	75	-	75	100	200	200	200				

A. Mission Description and Budget Item Justification

The Anti-Submarine Warfare (ASW) Sensors and Processing project provides the tools and methods necessary to maintain naval superiority by preventing threat submarines from disrupting the U.S. Navy's ability to control the sea lines of communication and completing their hostile missions. This project encompasses the Engineering & Manufacturing Development phase and the follow on Production and Deployment Phase of sensor systems to improve the mission effectiveness of airborne ASW platforms in cueing, searching, localizing, tracking, and attacking subsurface targets. Smaller and quieter threat submarines drive the requirement for continued advancement in ASW sensor capabilities for both blue water and littoral environments. The littoral regions of the world create an additional ASW challenge to overcome the increase in background clutter caused by the shallow water depth, high volume of shipping, and commercial radio frequency interference. Project 0480 provides funding to the passive and active ASW family of systems for the engineering development of solutions that detect, classify, and track threat submarines. The Multi-Static Active Coherent (MAC) program encompasses modifications to the active coherent (electronic) source sonobuoy and the Air Deployable Active Receiver sonobuoy and development, integration, and test of aircraft software. It also provides upgrades to the Multi-static mission planning tool, the tactical crew trainers and the tactical ground replay system. This program includes MAC Enhancements (MAC-E) that will shorten the ASW kill chain by enabling the warfighter to search larger areas in less time with more precision.

Project 0480 also provides funding for the Advanced Product Build (APB) program which integrates Office of Naval Research (ONR) Future Naval Capabilities (FNCs), Small Business Innovation Research (SBIR), University Affiliated Research Center (UARC) and other mature technologies into the processing baseline. Efforts incorporate clutter reduction, automation, improved displays and controls, as well as improved communication links resulting in reduced operator workload, increased target detection opportunities, and improved classification techniques. APB also includes an Air ASW Engineering Measurement Program (AEMP) that collects ASW operational system performance data and identifies areas where beneficial improvements can be incorporated across all Air ASW platforms. APB will deliver a new software build nominally in two year increments following MAC-E. The sonobuoy test articles in FY14-FY20 will support software and hardware integration flight tests and Technical Evaluation/Follow-On Test & Evaluation for the MAC program. Additionally, this project funds an urgent effort in support of the Navy's Theater Anti-Submarine Warfare offset strategy. Funding supports the rapid development, fielding and evaluation of a prototype distributed and netted undersea sensor system to meet an urgent combatant commanders' (U.S. European Command, U.S. Northern Command, U.S. Strategic Command) requirement for additional maritime Intelligence, Surveillance and Reconnaissance (ISR) capabilities.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Title: APB System Qualification Test/Fleet Release for P-3C. Rapid Capability Insertion (RCI)/Fleet Release for P-8A	8.053	6.317	11.423	0.000	11.423
Articles:		_	_	_	-
FY 2016 Accomplishments:					

PE 0604261N: Acoustic Search Sensors

Date : May 2017				
Project (Number/Name) 0480 / ASW Sensors & Proc				
FY 2018 FY 2018 6 FY 2017 Base OCO	FY 2018 Total			
00 21.825 22.000 0.000 00 200 75 -	22.000 75			
00 1.825 0.000 0.000	0.000			

PE 0604261N: Acoustic Search Sensors

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy			Date: May 2017
Appropriation/Budget Activity 1319 / 5	,	• •	umber/Name) V Sensors & Proc
		-	

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
N/A					
Accomplishments/Planned Programs Subtotals	22.053	29.967	33.423	0.000	33.423

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

			FY 2018	FY 2018	FY 2018					Cost To	
<u>Line Item</u>	FY 2016	FY 2017	Base	000	<u>Total</u>	FY 2019	FY 2020	FY 2021	FY 2022	Complete	Total Cost
OPN/4048: Sonobuoys - All Types	0.000	25.787	38.775	-	38.775	43.653	44.444	53.523	49.648	Continuing	Continuing
Remarks											

D. Acquisition Strategy

The Multistatic Active Coherent (MAC) ASW system and associated sonobuoys are fully integrated on the P-3C and P-8A ASW platforms. MAC Enhancements (MAC-E) is a development program associated with P-8A increment 3 that will significantly increase the wide area search capability through Engineering Change Proposals (ECPs) to the sonobuoys, aircraft software modifications to reduce clutter and improve processing, and OMI improvements to reduce operator workload. S&T and early

R&D ASW improvement programs are matured through the APB process for periodic Fleet software releases.

E. Performance Metrics

High level operational system requirements are documented in the MAC Capability Production Document (CPD). Cost, schedule, and performance metrics are tracked throughout the development phase of the program to ensure the operational requirements will be met or exceeded during an extensive DT/OT cycle.

PE 0604261N: Acoustic Search Sensors

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy

Appropriation/Budget Activity

1319 / 5

R-1 Program Element (Number/Name)
PE 0604261N / Acoustic Search Sensors

0480 / ASW Sensors & Proc

Product Developmen	Product Development (\$ in Millions)					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 Hdw Development	SS/CPIF	ERAPSCO : FT. WAYNE IN	18.805	0.000		3.003	Dec 2016	3.592	Dec 2017	-		3.592	17.500	42.900	42.900
Prior year Prod Dev no longer funded in the FYDP	Various	VARIOUS : VARIOUS	19.905	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
		Subtotal	38.710	0.000		3.003		3.592		-		3.592	-	-	-

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	Total Cost	Target Value of Contract
Software Development	WR	NAWCAD : PATUXENT RIVER, MD	22.704	5.600	Dec 2015	5.436	Dec 2016	6.068	Dec 2017	-		6.068	Continuing	Continuing	Continuinç
Software Development	SS/CPIF	LOCKHEED MARTIN : MANASSAS VA	9.329	1.000	Dec 2015	1.373	Dec 2016	1.870	Dec 2017	-		1.870	3.727	17.299	17.299
Software Development	Various	VARIOUS : VARIOUS	11.238	3.835	Dec 2015	6.869	Dec 2016	7.753	Dec 2017	-		7.753	Continuing	Continuing	Continuin
Studies & Analysis	WR	NAWCAD : PATUXENT RIVER, MD	15.602	2.652	Dec 2015	2.519	Dec 2016	2.807	Dec 2017	-		2.807	Continuing	Continuing	Continuinç
Technical Data	WR	NAWCAD : PATUXENT RIVER, MD	15.659	0.372	Dec 2015	0.343	Dec 2016	0.337	Dec 2017	-		0.337	Continuing	Continuing	, Continuinç
Training	WR	NAWCAD : PATUXENT RIVER, MD	0.000	2.114	Dec 2015	2.095	Dec 2016	2.360	Dec 2017	-		2.360	Continuing	Continuing	Continuinç
		Subtotal	74.532	15.573		18.635		21.195		-		21.195	-	-	-

PE 0604261N: Acoustic Search Sensors

Navy

Exhibit R-3, RDT&E F	Project C	ost Analysis: FY 2	018 Navy	,							,	Date:	May 201	7	
Appropriation/Budge 1319 / 5	t Activity	1	·			R-1 Program Element (Number/Name) PE 0604261N / Acoustic Search Sensors Project (Number/0480 / ASW Sensors)								ос	
Test and Evaluation	(\$ in Milli	ons)		FY 2016		FY 2017		FY 2018 Base			2018 CO	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	Total Cost	Target Value of Contract
Test & Eval	WR	NAWCAD : PATUXENT RIVER, MD	27.117	2.518	Dec 2015	3.291	Dec 2016	3.689	Dec 2017	-		3.689	Continuing	Continuing	Continuin
		Subtotal	27.117	2.518		3.291		3.689		-		3.689	-	-	-
Management Service	s (\$ in M	illions)		FY 2	2016	FY 2	2017	FY 2	2018 ise		2018 CO	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	Total Cost	Target Value of Contract
Contractor Eng Spt	Various	VARIOUS : VARIOUS	40.969	1.630	Dec 2015	2.010	Dec 2016	2.050	Dec 2017	-		2.050	Continuing	Continuing	
Contractor Eng Spt	C/CPFF	NAVMAR APPLIED SCIENCES CORP : WARMINSTER, PA	6.049	0.500	Dec 2015	1.030	Dec 2016	1.011	Dec 2017	-		1.011	2.810	11.400	11.400
Government Eng Spt	WR	NAWCAD : PATUXENT RIVER, MD	97.260	0.722	Dec 2015	0.500	Dec 2016	0.386	Dec 2017	-		0.386	Continuing	Continuing	Continuin
Eng & Tech Spt Srvc (NON-FFRDC)	Various	VARIOUS : VARIOUS	56.186	1.110	Dec 2015	1.498	Dec 2016	1.500	Dec 2017	-		1.500	Continuing	Continuing	Continuin
Mgt & Prof SptT Srvc (FFRDC)	Various	VARIOUS : VARIOUS	10.018	0.000	Dec 2015	0.000		0.000		-		0.000	Continuing	Continuing	Continuin
Prior Years Mgmt Svcs no longer funded in the FYDP	Various	VARIOUS : VARIOUS	0.868	0.000		0.000		0.000		-		0.000	0.000	0.868	-
		Subtotal	211.350	3.962		5.038		4.947		-		4.947	-	-	-
								=>:				5 1/ 00 / 0			Target

Remarks

The support growth in FY16 results from the realignment, via technical correction, of \$14.0 million Multistatic Active Coherent Enhancements (MAC-E) funding from Program Element (PE) 0605500N to PE 0604261N.

FY 2016

22.053

PE 0604261N: Acoustic Search Sensors Navy

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Project Cost Totals

Prior

Years

351.709

FY 2017

29.967

R-1 Line #107

FY 2018

oco

FY 2018

Total

33.423

Cost To

Complete

Total

Cost

Value of

Contract

FY 2018

Base

33.423

xhibit R-4, RDT&E Schedule Prof ppropriation/Budget Activity	IIIE	. г	1 4	20	10 1	inavy				D 1	Dro	arar	n El	lement (Nun	nh	or/Na	mo	`	D	roid	oct /			e: M er/N			1 /	
319 / 5														Acoustic Sea										enso			тос	
Proj: 0480 ASW Sensors & Processors - Multistatic Active Coherent		FY	20)16		,	FY 20	017		F	′ 20 ⁻	18		FY 20	19			FY	202	0		FY	202	1		FY	20:	22
	1Q	20	a 3	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q 2	Q	3Q 4Q	1Q	2Q	ЗQ	4Q	1Q	2Q	30	1 4Q	10	2 20	2 3	Q 4
System Development																												
Hardware Development	_	E	EC	Р																								
EDM Delivery						SSQ-125A EDM ▼																						
Software Development												М	AC-	E S/W Dev														
Next Generation MAC																										^	lext M/	Ge AC
est & Evaluation		7	7	\neg							1				7		\Box	-	\Box]	$\lceil \rceil$	\Box	7	7	┰	7	\top	$\neg \vdash$
Technical Evaluation																												
Development Test				E	CF	' Test			-125A est								MA	C-E	De	v Te	est							
Operational Evaluation	 					[1														
roduction Milestones																												
Contract Awards									v.	SSQ-125 ●	Â			Sonobuoy Production Contract Award														
Deliveries		┧╴	╁	┪			┧─		1		╁		\dashv		┪	\dashv	╁	i	╁	┧─	╁	╁	╁	╁	╁	┪╴	╁	╁
			•			•						. '	'		•		•		-								•	•
2018DON - 0604261N - 0480																												

Exhibit R-4, RDT&E Schedule Prof	ile:	FY 2	2018	3 Na	vy																		D	ate:	Ma	y 20	17	
Appropriation/Budget Activity 1319 / 5																			ame) ensors		Proj 0480							
Proj: 0480 ASW Sensors & Processors - Advanced Processing Builds (APB)		FY 2	2016	i		FY 2	2017			FY	2018			FY	2019	,		FY	2020			FY 2	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
Acquisition Milestones																												
Milestones																RCI (2) Flt Rel												
System Development]]	<u> </u>]	
Software Development		1	1	ı		l				Sy	stem l	l Deve	lopm	ent/l	l Engir	l neerin	l ng Me	l easu	remen	t						l	ı	l
Test & Evaluation																												
Technical Evaluation											RCI (2) SQT								RCI (3) SQT									
Fleet Introduction Training																		-										
													F	eet l	Intro	Trng												
2018DON - 0604261N - 0480	I																											

xhibit R-4, RDT&E Schedule Prof	file:	FY 2	018 1	lavy	,																		D	ate:	Мау	/ 201	17	
ppropriation/Budget Activity 319 / 5															ent (ustic						Project (Number/Name) 0480 / ASW Sensors & Proc							
Proj: 0480 Theater ASW Offset Strategy		FY	2016		F	ſ 20	17			FY:	2018			FY:	2019	,		FY 2	2020			FY 2	2021			FY 2	2022	
	10	2Q	3Q	4Q	10	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		prote	er AS otype opme		Theater ASW demo																							
					/anced Ti ototype de																							

2018DON - 0604261N - 0480 FY16 efforts are dependent upon Omnibus Reprogramming action (FY 16-22 PA)

Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy			Date: May 2017
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (N	umber/Name)
1319 / 5	PE 0604261N / Acoustic Search Sensors	0480 <i>I AS</i> I	N Sensors & Proc

Schedule Details

	Sta	art	En	d
Events by Sub Project	Quarter	Year	Quarter	Year
Proj: 0480 ASW Sensors & Processors - Multistatic Active Coherent				
System Development: Hardware Development: Engineering Change Proposal	1	2016	4	2016
System Development: EDM Delivery: Eng Dev Model (H/W EDM) 2	1	2017	1	2017
System Development: Software Development: MAC-E Software Development	1	2016	4	2022
System Development: Next Generation MAC: Next Gen MAC	2	2022	4	2022
Test & Evaluation: Development Test: Engineering Change Proposal Test	1	2016	2	2017
Test & Evaluation: Development Test: SSQ-125A Test	3	2017	4	2017
Test & Evaluation: Development Test: MAC-E Development Test	3	2018	4	2022
Production Milestones: Contract Awards: SSQ-125A	1	2018	1	2018
Production Milestones: Contract Awards: Sonobuoy Production Contract Award	1	2019	1	2019
Proj: 0480 ASW Sensors & Processors - Advanced Processing Builds (APB)				
Acquisition Milestones: Milestones: RCI (2) Fleet Release	4	2019	4	2019
System Development: Software Development: System Development/Engineering Measurement	1	2016	4	2022
Test & Evaluation: Technical Evaluation: RCI (2) SQT	3	2018	3	2018
Test & Evaluation: Technical Evaluation: RCI (3) SQT	3	2020	3	2020
Fleet Introduction Training: Fleet Introduction Training	1	2016	4	2022
Proj: 0480 Theater ASW Offset Strategy				
Acquisition Milestones: Milestones: Theater ASW prototype development	1	2016	4	2016
Acquisition Milestones: Milestones: Theater ASW Demonstration	1	2017	1	2017
Acquisition Milestones: Milestones: Advanced Theater ASW prototype development	4	2016	4	2017

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy											Date: May 2017						
Appropriation/Budget Activity 1319 / 5					_		t (Number / tic Search S	,	Project (N 3224 / High		,						
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					
3224: High Altitude ASW	104.559	8.584	4.558	3.744	-	3.744	3.950	4.031	4.113	4.196	Continuing	Continuing					
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-							

A. Mission Description and Budget Item Justification

The High Altitude Anti-Submarine Warfare (HAASW) program increases P-8A operational flexibility and effectiveness throughout the kill chain at higher than traditional ASW altitudes. FY10-FY16 activities included Sonobuoy Technology Development (TD), P-8A Aircraft integration, Training, Test & Evaluation, and Initial Operational Capability. TD includes hardware modifications to current production sonobuoys and software development for the aircraft. Global Positioning System (GPS) integration will provide precise sonobuoy location regardless of aircraft altitude/location to enhance wide area ASW search, localization, track and targeting. The digital telemetry will improve sonobuoy communication performance in high Radio Frequency Interference environments, increase Air Deployable Active Receiver (SSQ-101) channel availability, and provide NATO compatibility. FY16-FY18 activities include the integration of an algorithm that will adjust sonobuoy release/drop points for more accurate sonobuoy placement. FY16-FY22 activities include the integration of cyber security protections including, but not limited to, digital telemetry and encryption.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2018	FY 2018	FY 2018
	FY 2016	FY 2017	Base	oco	Total
Title: High Altitude Enablers	8.584	4.558	3.744	0.000	3.744
Articles:	-	-	_	-	-
FY 2016 Accomplishments: Initiated P-8A Inc 2 ECP 2 Follow-On Operational Test & Evaluation (FOT&E) and ECP 3 Integrated Test & Evaluation (IT&E). Initiated digital telemetry/cyber security requirements analysis.					
FY 2017 Plans: Continue P-8A Inc 2 ECP 2 FOT&E and initiate ECP 3 FOT&E. Continue digital telemetry/cyber security requirements analysis.					
FY 2018 Base Plans: Continue ECP 3 FOT&E. Continue digital telemetry/cyber security requirements analysis. Initiate digital telemetry integration.					
FY 2018 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	8.584	4.558	3.744	0.000	3.744

PE 0604261N: Acoustic Search Sensors

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy			Date: May 2017
Appropriation/Budget Activity	,	, ,	umber/Name)
1319 / 5	PE 0604261N I Acoustic Search Sensors	3224 <i>I Higi</i>	h Altitude ASW

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

			FY 2018	FY 2018	FY 2018					Cost To	
<u>Line Item</u>	FY 2016	FY 2017	Base	OCO	<u>Total</u>	FY 2019	FY 2020	FY 2021	FY 2022	Complete	Total Cost
OPN/4048: Sonobuoys - All Types	166.385	162.588	173.616	-	173.616	184.299	190.706	195.316	198.918	Continuing	Continuing

Remarks

D. Acquisition Strategy

A 15 March 12 Acquisition Decision Memorandum (ADM) from PEO(A) (Milestone Decision Authority) approved the transition from a planned Acquisition Category (ACAT) Program to a series of Engineering Change Proposal (ECP) modifications to the AN/SSQ-53, AN/SSQ-62 and AN/SSQ-101 sonobuoys. Affordability deferred the digital telemetry requirement in the SSQ-53, SSQ-62 and SSQ-125 sonobuoys to FY16-FY22. All major contracts (ERAPSCO & Boeing) to meet P-8A Inc 2 ECP 2 and ECP 3 requirements have been awarded. Integrate cyber security protections including, but not limited to, digital telemetry and encryption.

E. Performance Metrics

Schedule and cost variances are used to track sonobuoy development. Should Cost methodology has also been employed to manage the development and production costs of the HAASW capable sonobuoys.

PE 0604261N: Acoustic Search Sensors

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