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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy / BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0303354N / ASW Systems Development - MIP							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	3.228	12.077	4.908	6.495	-	6.495	9.907	9.621	8.438	9.117	Continuing	Continuing
0490: Airborne Acoustic Intelligence (AAI)	3.228	12.077	4.908	6.495	-	6.495	9.907	9.621	8.438	9.117	Continuing	Continuing
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification The mission of Airborne Acoustic Intelligence (AAI) (CNO Project K-0416) is to provide advanced antisubmarine warfare capabilities through rapid development of new technology and prototype mechanisms for the collection of antisubmarine warfare (ASW) related intelligence. This includes full spectrum intelligence collections and cataloging of current targets of interest. The program develops and swiftly deploys disruptive innovation to counter emerging threats in order to maintain the United States' current undersea warfare superiority. AAI employs the capability to quickly reconstruct and analyze passive and active measurements of submarine vulnerabilities providing actionable intelligence to fleet commanders. The AAI data collection program provides full spectrum intelligence data essential for the design and development of advanced sensors, weapon systems, environmental models, and tactical decision aids. AAI collection systems are installed and employed on uniquely configured aircraft, specially configured ground support facilities, ships, and other assets as required for the collection, processing, exfiltration, and dissemination of undersea intelligence. AAI includes recording systems, advanced detection and tracking systems, specially designed sensors, advanced processing systems and techniques, and specially derived tactics. This is a Military Intelligence Program (MIP). JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES because it includes all efforts necessary to evaluate integrated technologies, representative models or prototype systems in a high fidelity and realistic operating environment.												

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B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	13.172	8.448	9.603	-	9.603
Current President's Budget	12.077	4.908	6.495	-	6.495
Total Adjustments	-1.095	-3.540	-3.108	-	-3.108
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-3.540			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	-0.063	-	-0.063
• Rate/Misc Adjustments	-	-	-3.045	-	-3.045
• Congressional General Reductions Adjustments	-1.095	-	-	-	-
Change Summary Explanation					
Technical: Not Applicable					
Schedule: Added delivery of new Airborne Avionics capabilities in 1Q/15.					

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
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COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
0490: Airborne Acoustic Intelligence (AAI)	3.228	12.077	4.908	6.495	-	6.495	9.907	9.621	8.438	9.117	Continuing	Continuing
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
The mission of Airborne Acoustic Intelligence (AAI) (CNO Project K-0416) is to provide advanced antisubmarine warfare capabilities through rapid development of new technology and prototype mechanisms for the collection of antisubmarine warfare (ASW) related intelligence. This includes full spectrum intelligence collections and cataloging of current targets of interest. The program develops and swiftly deploys disruptive innovation to counter emerging threats in order to maintain the United States' current undersea warfare superiority. AAI employs the capability to quickly reconstruct and analyze passive and active measurements of submarine vulnerabilities providing actionable intelligence to fleet commanders. The AAI data collection program provides full spectrum intelligence data essential for the design and development of advanced sensors, weapon systems, environmental models, and tactical decision aids. AAI collection systems are installed and employed on uniquely configured aircraft, specially configured ground support facilities, ships, and other assets as required for the collection, processing, exfiltration, and dissemination of undersea intelligence. AAI includes recording systems, advanced detection and tracking systems, specially designed sensors, advanced processing systems and techniques, and specially derived tactics.												
This is a Military Intelligence Program (MIP).												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Systems Engineering / Aircraft Mods Active Acoustic Program Articles: FY 2013 Accomplishments: Upgraded post mission processors for Calibrated Acoustic Intelligence (ACINT). Enhanced P-8A aircraft calibration units. Provided engineering support of the Active Target Strength sensor program. FY 2014 Plans: Post mission processor upgrades for Calibrated ACINT. P-8A aircraft calibration unit enhancements. Engineering support of the Active Target Strength sensor program. FY 2015 Plans: Engineering to support full spectrum intelligence collections. Post mission processor upgrades for Calibrated ACINT. Airborne avionics unit development and enhancements.									1.412	0.569	0.767	
									-	-	-	
Title: Data Collection and Analysis									0.430	0.600	1.626	

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2013	FY 2014	FY 2015
<p align="right">Articles:</p> <p>FY 2013 Accomplishments: Supported data collection at Operational Wings. Collected high interest acoustic and non-acoustic data in support of Measurement and Signature Intelligence/Office of Naval Intelligence (MASINT/ONI) threat assessment requirements. Reduction, Analysis and Fleet Rapid Feedback. Conducted airborne special operations support. Provided essential performance modeling and evaluation for advanced technology sensor systems design and Fleet tactics development.</p> <p>FY 2014 Plans: Data collection support at Operational Wings. Ongoing collection of high interest acoustic and non-acoustic data in support of MASINT/ONI threat assessment requirements. Reduction, Analysis and Fleet Rapid Feedback. Conduct airborne special operations support. Essential performance modeling and evaluation for advanced technology sensor systems design and Fleet tactics development.</p> <p>FY 2015 Plans: Data collection support at Operational Wings. Ongoing collection of high interest acoustic and non-acoustic data in support of MASINT/ONI threat assessment requirements. Reduction, Analysis and Fleet Rapid Feedback. Conduct airborne special operations support. Essential performance modeling and evaluation for advanced technology sensor systems design and Fleet tactics development.</p>			-	-	-
<p>Title: Active Measurement Validation</p> <p align="right">Articles:</p> <p>FY 2013 Accomplishments: Provided Active Measurement Validation of targets of interest. Provided the acoustic analysis of echo characterization (which included: signal excess measurements, peak frequency, trend analysis and pulse duration measurements) and target strength.</p> <p>FY 2014 Plans: Active Measurement Validation of targets of interest. Provides the acoustic analysis of echo characterization (which includes: signal excess measurements, peak frequency, trend analysis and pulse duration measurements) and target strength.</p> <p>FY 2015 Plans: Active Measurement Validation of targets of interest. Provides the acoustic analysis of echo characterization (which includes: signal excess measurements, peak frequency, trend analysis and pulse duration measurements) and target strength.</p>			0.415 -	0.200 -	0.638 -
<p>Title: Product Development</p> <p align="right">Articles:</p> <p>FY 2013 Accomplishments:</p>			9.820 -	3.539 -	3.464 -

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014
Initiated Active Target Strength Sensor development program.			
FY 2014 Plans: Continue Active Target Strength Sensor development program.			
FY 2015 Plans: Continue Active Target Strength Sensor development program.			
Accomplishments/Planned Programs Subtotals		12.077	4.908
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy Airborne Acoustic Intelligence is a CNO Special Project. The included technology developments are primarily in-house with contractor participation through existing vehicles.			
E. Performance Metrics Military Intelligence Program (MIP).			

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy

Date: March 2014

Appropriation/Budget Activity

1319 / 4

R-1 Program Element (Number/Name)

PE 0303354N / ASW Systems Development

- MIP

Project (Number/Name)

0490 / Airborne Acoustic Intelligence (AAI)

Proj: 0490 Airborne Acoustic Intelligence (AAI)	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
	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 Engineering																												
P-3/P-8 Avionics Suite	P-3/P-8 Avionics Suite																											
Sys Eng Tactical Acoustic Processor (TAPS)																												
	TAPS																											
Product Development																												
	Data Collection and Analysis																											
	Active Target Strength sensor processing development																											
Test & Evaluation																												
	Integrated Testing																											
Deliveries																												
			P3/P8 Avionics ▼							Airborne Avionics ▼																		
Prototypes																												
							48 ▼				30 ▼			78 ▼			234 ▼			198 ▼					180 ▼			

2015PB - 0303354N - 0490