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Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Office of the Secretary Of Defense **Date:** February 2016

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0603714D8Z I <i>Advanced Sensors Application Program</i>
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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	19.190	19.482	15.869	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
714: <i>Advanced Sensors Application Program</i>	19.190	19.482	15.869	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Advanced Sensors Application Program (ASAP) focuses on continued investigations of foreign technologies in Anti-Submarine Warfare (ASW). In coordination with an international partner, unique and innovative approaches are used to understand foreign capabilities and threats to US forces.

B. Program Change Summary (\$ in Millions)

	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 Total</u>
Previous President's Budget	19.490	15.900	16.470	-	16.470
Current President's Budget	19.482	15.869	0.000	-	0.000
Total Adjustments	-0.008	-0.031	-16.470	-	-16.470
• Congressional General Reductions	-	-0.031			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Departmental Adjustment	-0.008	-	-16.470	-	-16.470

Change Summary Explanation

Funded by Navy starting in FY2017.

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

	FY 2015	FY 2016	FY 2017
Title: Advanced Sensors Application Program	19.482	15.869	-
FY 2015 Accomplishments: Provided Mission Support (Details provided in Defense-Wide classified book).			
FY 2016 Plans:			

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016	FY 2017
Will provide Mission Support (Details provided in Defense-Wide classified book).			
Accomplishments/Planned Programs Subtotals	19.482	15.869	-

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

N/A

Remarks

E. Acquisition Strategy

Details provided in Defense-Wide classified book.

F. Performance Metrics

Numbers of operational field demonstrations; actual/in-kind resource sharing differential among participating entities; studies produced; successful anomaly detections; false-positive results; and technology transfers.

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Exhibit R-4, RDT&E Schedule Profile: PB 2017 Office of the Secretary Of Defense **Date:** February 2016

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603714D8Z / <i>Advanced Sensors Application Program</i>	Project (Number/Name) 714 / <i>Advanced Sensors Application Program</i>
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FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				FY 2014			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Airborne Sensors	
Continue Test and Evaluation	██████████
Decision Milestone Report	
Phenomenology	
Continue Modeling and Testing	██████████
Continue Technical Reviews (Bi-Quarterly)	██████████
Continue Science Reviews (Annually)	██████████
Oceanographic Measurements	
Continue Test and Evaluation	██████████
Decision Milestone Report	
Extended Altitude Effects	
Continue Data Processing (Archive Data)	██████████
Continue Data Collection and Analysis	██████████
Fabricate/ Install	
Test and Evaluation	
Joint Oversight Committee Review	
Continue Joint Oversight Committee Review (3rd Quarter each year)	██████████
ASAP Web-Based Information	
Continue ASAP Web-Based Information (4th Quarter each year)	██████████

FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Airborne Sensors	
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Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603714D8Z / <i>Advanced Sensors Application Program</i>	Project (Number/Name) 714 / <i>Advanced Sensors Application Program</i>
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	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Continue Test and Evaluation	██████████																											
Decision Milestone Report					██████████																							
Phenomenology																												
Continue Modeling and Testing	██████████																											
Continue Technical Reviews (Bi-Quarterly)	██████████																											
Continue Science Reviews (Annually)	██████████																											
Oceanographic Measurements																												
Continue Test and Evaluation	██████████																											
Decision Milestone Report					██████																							
Extended Altitude Effects																												
Continue Data Processing (Archive Data)	██████████																											
Continue Data Collection and Analysis	██████████																											
Fabricate/ Install	██████████																											
Test and Evaluation					██████████																							
Joint Oversight Committee Review																												
Continue Joint Oversight Committee Review (3rd Quarter each year)	██████████																											
ASAP Web-Based Information																												
Continue ASAP Web-Based Information (4th Quarter each year)	██████████																											

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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Office of the Secretary Of Defense		Date: February 2016
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603714D8Z / <i>Advanced Sensors Application Program</i>	Project (Number/Name) 714 / <i>Advanced Sensors Application Program</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Airborne Sensors</i>				
Continue Test and Evaluation	1	2014	4	2016
Decision Milestone Report	1	2016	3	2016
<i>Phenomenology</i>				
Continue Modeling and Testing	1	2014	4	2016
Continue Technical Reviews (Bi-Quarterly)	1	2014	4	2016
Continue Science Reviews (Annually)	1	2014	4	2016
<i>Oceanographic Measurements</i>				
Continue Test and Evaluation	1	2014	3	2016
Decision Milestone Report	1	2016	1	2016
<i>Extended Altitude Effects</i>				
Continue Data Processing (Archive Data)	1	2014	2	2016
Continue Data Collection and Analysis	1	2014	4	2016
Fabricate/ Install	1	2015	4	2016
Test and Evaluation	1	2016	4	2016
<i>Joint Oversight Committee Review</i>				
Continue Joint Oversight Committee Review (3rd Quarter each year)	3	2014	3	2016
<i>ASAP Web-Based Information</i>				
Continue ASAP Web-Based Information (4th Quarter each year)	4	2014	4	2016