

EXHIBIT R-2, RDT&E Budget Item Justification							DATE: <b>February 2004</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RESEARCH DEVELOPMENT TEST &amp; EVALUATION, NAVY / BA-7</b>					R-1 ITEM NOMENCLATURE 0307207N Aerial Common Sensor			
COST (\$ in Millions)		FY 2003	*FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Total PE Cost			3.955	24.909	49.864	99.783	193.824	74.043
H3015 Aerial Common Sensor			3.955	24.909	49.864	99.783	193.824	74.043
<div>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</div> <div>Provides funding for development of the Navy's Aerial Common Sensor (ACS) involvement in a post-Milestone B joint Army/Navy program. Provides funds for the Navy's unique requirements to the Army's ACS platform. The ACS is the Navy's recapitalization of the the EP-3E and offers a transformational platform to fulfill the Navy and OSD requirements for migration to the Joint Airborne SIGINT Architecture (JASA). Development will be made to integrate additional workstations, ensure connectivity to multi-service platforms and ground stations, procure two ACS test platforms and to develop an initial mission systems spiral that will integrate the Navy's unique maritime SIGINT mission requirements.</div> <div>* FY 2004 funding was a congressional add in PE 0605152N Studies and Analysis Support for Future SIGINT Requirements/Joint ACS Program. Those funds will be executed in that R-1 line item and used to study the available replacement options and the viability of ACS as a replacement program for the EP-3. Follow on development funding for ACS is budgeted and will be executed in this R-1 line item.</div>								

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## CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE: <b>February 2004</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-7</b>	PROGRAM ELEMENT NUMBER AND NAME 0307207N Aerial Common Sensor				PROJECT NUMBER AND NAME H3015 Aerial Common Sensor			
COST (\$ in Millions)		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Project Cost				24.909	49.864	99.783	193.824	74.043
RDT&E Articles Qty							2	

### A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Provides funding for development of the Navy's Aerial Common Sensor (ACS) involvement in a post-Milestone B joint Army/Navy program. Provides funds for the Navy's unique requirements to the Army's ACS platform. The ACS is the Navy's recapitalization of the the EP-3E and offers a transformational platform to fulfill the Navy and OSD requirements for migration to the Joint Airborne SIGINT Architecture (JASA). Development will be made to integrate additional workstations, ensure connectivity to multi-service platforms and ground stations, procure two ACS test platforms and to develop an initial mission systems spiral that will integrate the Navy's unique maritime SIGINT mission requirements.

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<b>B. Accomplishments/Planned Program</b>																			
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 30%;"></th><th style="width: 10%;"></th><th style="width: 15%;">FY 03</th><th style="width: 15%;">FY 04</th><th style="width: 15%;">FY 05</th></tr></thead><tbody><tr><td>Accomplishments/Effort/Subtotal Cost</td><td></td><td></td><td></td><td style="text-align: right;">15.000</td></tr><tr><td>RDT&amp;E Articles Quantity</td><td></td><td></td><td></td><td></td></tr></tbody></table>							FY 03	FY 04	FY 05	Accomplishments/Effort/Subtotal Cost				15.000	RDT&E Articles Quantity				
		FY 03	FY 04	FY 05															
Accomplishments/Effort/Subtotal Cost				15.000															
RDT&E Articles Quantity																			
Development and integration for additional operator workstations. Design efforts to incorporate 2 additional workstations for the Army's present architecture of 4 workstations; to include design changes to interfaces, cooling and power requirements, center of gravity, EMI/EMC etc.																			
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		FY 03	FY 04	FY 05															
Accomplishments/Effort/Subtotal Cost				5.709															
RDT&E Articles Quantity																			
Development of a reachback capability and interoperability to multiservice platforms and ground stations																			
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		FY 03	FY 04	FY 05															
Accomplishments/Effort/Subtotal Cost				4.200															
RDT&E Articles Quantity																			
ACS Program management and Engineering supt																			

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EXHIBIT R-2a, RDT&E Project Justification		DATE: <b>February 2004</b>
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-7</b>	PROGRAM ELEMENT NUMBER AND NAME 0307207N Aerial Common Sensor	PROJECT NUMBER AND NAME H3015 Aerial Common Sensor

**C. PROGRAM CHANGE SUMMARY:**

	FY 2003	FY 2004	FY 2005
Funding:			
Previous President's Budget:	0.000	0.000	0.000
Current BES/President's Budget	0.000	0.000	24.909
Total Adjustments	0.000	0.000	24.909
Summary of Adjustments			
Congressional program reductions			
Congressional undistributed reductions			
Congressional rescissions			
SBIR/STTR Transfer			
Economic Assumptions			
Reprogrammings			
Other Adjustments			24.909
Congressional increases			
Subtotal	0.000	0.000	24.909

Schedule:

Not Applicable

Technical:

Not Applicable

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<b>D. OTHER PROGRAM FUNDING SUMMARY:</b>										
<u>Line Item No. &amp; Name</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>To Complete</u>	<u>Total Cost</u>	
0605152N (H9411) Future SIGINT Rqmts/Joint ACS Program		3.955							3.955	
APN BLI 019100 Aerial Common Sensor (ACS)					6.006	226.733	1,464.278		1,697.017	
<b>E. ACQUISITION STRATEGY:</b>										
Leverages off of the Army's ACS development efforts to decrease Navy cost and joint development of technology insertions during the System Development and Demonstration Phase.										

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## CLASSIFICATION:

Exhibit R-3 Cost Analysis (page 1)								DATE: February 2004				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
RDT&E, N / BA-7			0307207N Aerial Common Sensor			H3015 Aerial Common Sensor						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Development	TBD	Army Prime TBD						15.000	12/04	300.000	315.000	315.000
Ancillary Hardware Development											0.000	
Aircraft Integration											0.000	
Ship Integration											0.000	
Ship Suitability											0.000	
Systems Engineering											0.000	
Training Development											0.000	
Licenses											0.000	
Tooling											0.000	
GFE											0.000	
Award Fees											0.000	
Subtotal Product Development			0.000	0.000		0.000		15.000		300.000	315.000	
Remarks:												
Development Support	C/CPFF	TBD						1.000	12/04	5.000	6.000	6.000
Development Support	WX	NAWC/WD, China Lake, CA						4.709	12/04	19.514	24.223	
Integrated Logistics Support											0.000	
Configuration Management											0.000	
Technical Data											0.000	
Studies & Analyses											0.000	
GFE											0.000	
Award Fees											0.000	
Subtotal Support			0.000	0.000		0.000		5.709		24.514	30.223	
Remarks:												

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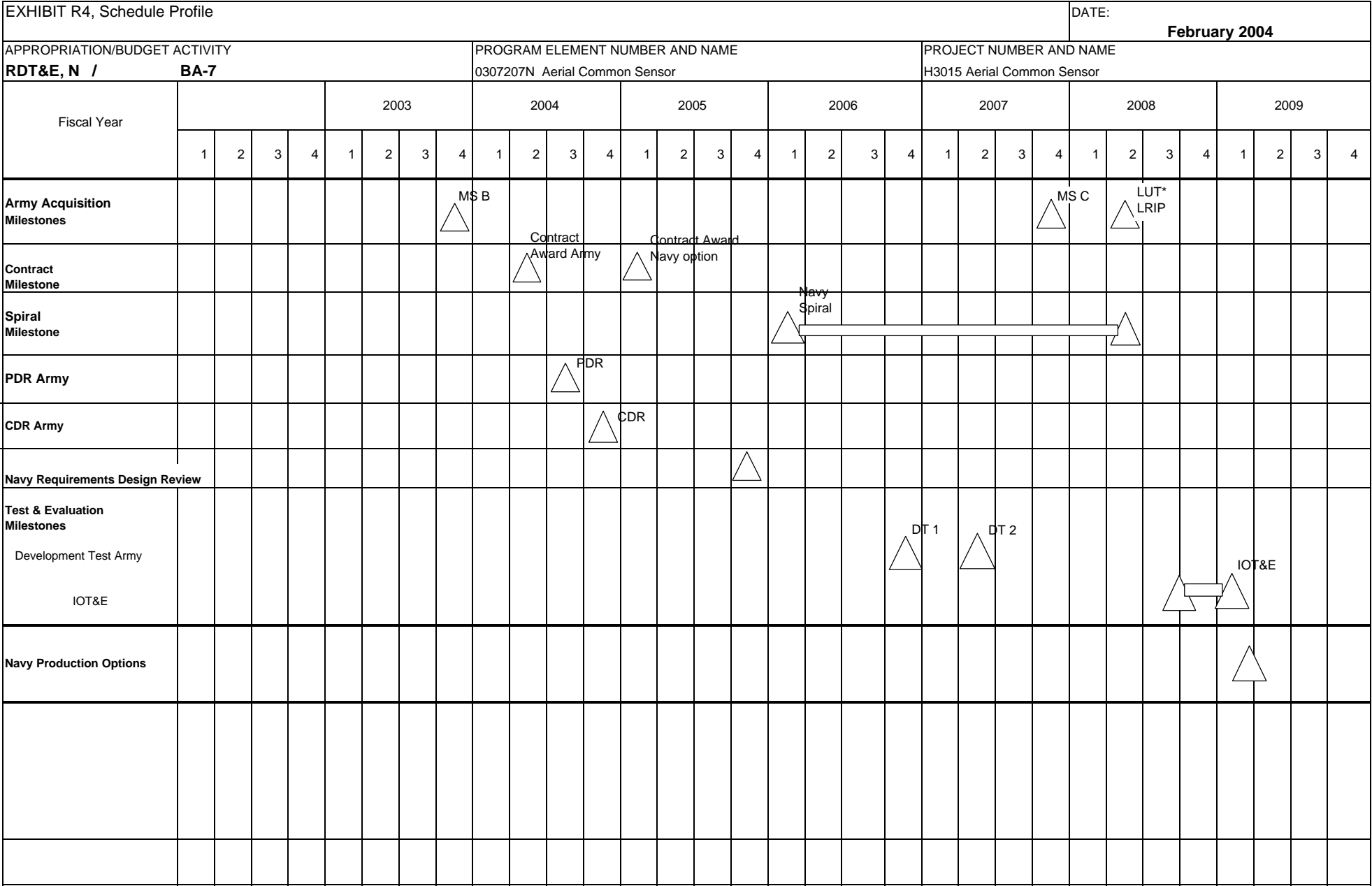
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Exhibit R-3 Cost Analysis (page 2)									DATE: <b>February 2004</b>			
APPROPRIATION/BUDGET ACTIVITY <b>RDTE, N / BA-7</b>			PROGRAM ELEMENT 0307207N Aerial Common Sensor			PROJECT NUMBER AND NAME H3015 Aerial Common Sensor						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	TBD	TBD								45.000	45.000	
Operational Test & Evaluation	TBD	TBD								33.000	33.000	
Live Fire Test & Evaluation											0.000	
Test Assets											0.000	
Tooling											0.000	
GFE											0.000	
Award Fees											0.000	
Subtotal T&E			0.000	0.000		0.000		0.000		78.000	78.000	
Remarks:												
Contractor Engineering Support	C/CPFF	TBD						0.400	12/04	2.000	2.400	2.400
Government Engineering Support	WX	NAWC/AD, Pax River, MD						2.500	12/04	8.000	10.500	
Program Management Support	WX	NAWC/AD, Pax River, MD						1.000	12/04	4.000	5.000	
Travel	WX	NAWC/AD, Pax River, MD						0.300	12/04	1.000	1.300	
Transportation											0.000	
SBIR Assessment											0.000	
Subtotal Management			0.000	0.000		0.000		4.200		15.000	19.200	
Remarks:												
Total Cost			0.000	0.000		0.000		24.909		417.514	442.423	
Remarks:												

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\* Limited User Test (LUT)



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**Exhibit R-4a, Schedule Detail**  
(Exhibit R-4a, page 9 of 9)