CLASSIFICATION:

UNCLASSIFIED

EXHIBIT R-2, RDT&E Budget Item Justification							DATE:	
							Februa	ry 2004
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMEN			
RESEARCH DEVELOPMENT TEST & EVALUATI	ON, NAVY /	BA-7			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

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 fullfill 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.

* 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.

R-1 SHOPPING LIST - Item No.

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Exhibit R-2, RDTEN Budget Item Justification (Exhibit R-2, page 1 of 9)

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:	
							Februa	ry 2004
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEM	ENT NUMBER AN	D NAME		PROJECT NUMBE	R AND NAME		
RDT&E, N / BA-7	0307207N Aerial (Common Sensor			H3015 Aerial Com	mon 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 fullfill 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.

* 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.

R-1 SHOPPING LIST - Item No.

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CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justificat	tion			DATE:
				February 2004
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUME	BER AND NAME	PROJECT NUMBER AND N	AME
RDT&E, N / BA-7	0307207N Aerial Common Se	ensor	H3015 Aerial Common Sens	or
B. Accomplishments/Planned Program				
		FY 03	FY 04	FY 05
Accomplishments/Effort/Subtotal Cost		1103	F1 04	15.000
RDT&E Articles Quantity				15.000
NOTAL Afficies Qualitity				
		FY 03	FY 04	FY 05
Accomplishments/Effort/Subtotal Cost		1100	1104	5.709
RDT&E Articles Quantity				0.700
Development of a reachback capability and inte	eroperability to multiservice platforms	and ground stations		
		FY 03	FY 04	FY 05
Accomplishments/Effort/Subtotal Cost				4.200
RDT&E Articles Quantity				
ACS Program management and Engineering s	supt			

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification				DATE:	
					February 2004
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME		PROJECT NUMBER ANI	D NAME	
RDT&E, N / BA-7	0307207N Aerial Common Sensor		H3015 Aerial Common S	ensor	
C. PROGRAM CHANGE SUMMARY:					
Funding:	FY 2003	FY 2004	FY 2005		
Previous President's Budget:	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 Assumtions Reprogrammings Other Adjustments Congressional increases Subtotal	0.000	0.000	24.909 24.909		
Schedule:					
Not Applicable					
Technical:					
Not Applicable					
	R-1 SHOPPING LIST - I	taua Nia	203		

CLASSIFICATION:

,	E Project Justification								DATE:	Febru	ary 2004
PPROPRIATION/BUDG	ET ACTIVITY	PR	ROGRAM EL	EMENT NUM	BER AND NAM	ЛE	PROJECT N	UMBER AND I	NAME		
RDT&E, N /	BA-7	03	07207N Ae	rial Common S	Sensor		H3015 Aeria	Common Sen	sor		
D. OTHER PROG	RAM FUNDING SUMMARY:										
										То	Total
Line Item No. &	<u>Name</u>	-	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	<u>Complete</u>	<u>Cost</u>
0605152N (Hs	9411) Future SIGINT Rgmts/Joint A	CS Program		3.955							3.955
,	00 Aerial Common Sensor (ACS)	Ü						6.006	226.733	1,464.278	1,697.017
E. ACQUISITION S	TRATEGY:										
1	of the Army's ACS development eff	forte to dooroo	co Navy coc	t and joint day	elonment of te	chnology inse	ertions during th	ne System Dev	elonment and Γ	emonstration P	hase

CLASSIFICATION:

Development Support WX NAWC/WD, China Lake, CA										DATE:									
RDT&E, N BA-7	Exhibit R-3 Cost Analysis (page	ge 1)																	
Cortract Performing Post Pry 03 Avaid Pry 04 Pry 05 Pry 05 Cost Cost Total Target Value Pry 05 Avaid Pry 05 Pry 05 Avaid Pry 05 Pry 05 Total Target Value Pry 05 Avaid Pry 05 Pry 05 Pry 05 Total Target Value Pry 05 Pry 05 Avaid Pry 05	APPROPRIATION/BUDGET ACTIV	/ITY		PROGRAM E	LEMENT			PROJECT N	UMBER AND I	NAME									
Method				0307207N A	erial Common S	Sensor		H3015 Aerial		sor									
S Type Location Cost Cost Date Cost Date Complete Cost of Contract	Cost Categories																		
Primary Hardware Development TBD Army Prime TBD 15.000 1204 300.000 315.000 31														larget Value					
Ancella Principation	Primary Hardwara Dayalanmant			PD.	Cost	Cost	Date	Cost	Date										
Aircraft Integration		IBD	Anny Filme II	БО						15.000	12/04	300.000							
Ship Integration																			
Siph Suitability																			
Systems Engineering	·																		
Training Development																			
Licenses										1									
Tooling	•									1									
Compared to the compared to																			
Award Fees																			
Subtotal Product Development																			
Development Support					0.000	0.000		0.000	n	15 000		300,000							
Development Support WX NAWC/WD, China Lake, CA																			
Development Support WX NAWC/WD, China Lake, CA	Development Support	C/CPFF	TBD							1.000	12/04	5.000	6.000	6.000					
Integrated Logistics Support	'''	-		ina Lake. CA							1								
Configuration Management	Integrated Logistics Support			,															
Studies & Analyses 0.000																			
GFE 0.000 0.	Technical Data												0.000)					
Award Fees 0.000 Subtotal Support 0.000 Remarks:	Studies & Analyses												0.000)					
Subtotal Support 0.000 0.000 5.709 24.514 30.223 Remarks:	GFE												0.000)					
Remarks:	Award Fees												0.000						
	Subtotal Support				0.000	0.000)	0.000	0	5.709		24.514	30.223						
	Remarks:							203											

CLASSIFICATION:

			DATE:	DATE:								
Exhibit R-3 Cost Analysis (pag	e 2)									February 200)4	
APPROPRIATION/BUDGET ACTIVI	TY	PROGRAM	ELEMENT			PROJECT N						
RDT&E, N / BA-7			Aerial Common S	Sensor		H3015 Aeria		ensor				
Cost Categories	Contract Method & Type	Performing Activity & Location		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	0.00	0	0.00	0	0.000)	78.000	78.000	
	1		1	1	_						I	
Contractor Engineering Support	C/CPFF	TBD						0.400	12/04	2.000	2.400	
Government Engineering Support	WX	NAWC/AD, Pax River, MD						2.500	+	8.000	10.500	
Program Management Support	WX	NAWC/AD, Pax River, MD						1.000		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	0.00	0	0.00	0	4.200)	15.000	19.200	
Remarks:												
Total Cost			0.000	0.00	0	0.00	0	24.909		417.514	442.423	
Remarks:												

CLASSIFICATION:

EXHIBIT R4, Schedule																									DATE		Fe	ebrua	ry 20	04		
APPROPRIATION/BUDGET RDT&E, N /	ACTIV BA-7								PROG 03072					R AND	NAM	E	I							R AND		ΙE		1	-			
Fiscal Year						20	03			200	04			200	05			20	006			200	07			200	08			200	9	
	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	1	2	3	4
Army Acquisition Milestones								M:	\$ B	Co	ntract			Contrac		d								△ M:	S C		.UT* .RIP					
Contract Milestone										△ ^{Aw}	ard Ar	my	\triangle	lavy op	otion			lavy														
Spiral Milestone																		lavy Spiral								Δ						
PDR Army											\triangle^{P}	DR																				
CDR Army													CDR																			
Navy Requirements Design R	eview															\triangle																
Test & Evaluation Milestones																				, D	T 1	^ [T 2									
Development Test Army IOT&E																						\triangle							101	-&E		
IOTAE																																
Navy Production Options																														7		
																	-		000													

R-1 SHOPPING LIST - Item No. 203

* Limited User Test (LUT)

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CLASSIFICATION:

Exhibit R-4a, Schedule Detail						DATE:	February 20	04				
APPROPRIATION/BUDGET ACTIVITY	PROGRAM E	LEMENT			PROJECT NU	MBER AND N	AME					
RDT&BA-7	0307207N A	erial Common S	Sensor		H3015 Aerial Common Sensor							
Schedule Profile		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009				
Army Acquisition Milestone B (MS B)		4Q										
Army Acquisition Milestone C (MS C) LUT LRIP						4Q						
LUT LRIP							2Q					
Contract Award Army			2Q									
Contract Award Navy option				1Q								
Navy Spiral Commences Navy Spiral Completes PDR Army					1Q							
Navy Spiral Completes							2Q					
PDR Army			3Q									
CDR Army			4Q									
Navy Requirements Design Review				4Q								
Developmental Testing 1 (DT 1) Army					4Q							
Developmental Testing 2 (DT 2) Army						2Q						
IOT&E Commences							3Q					
IOT&E Completes								1Q				
Navy Production options								1Q				
					-							
				ļ	1							
				ļ	1							
					1							
				ļ	1							