CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification						DATE:	
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NA	AVY / BA-4			R-1 ITEM NOMEN 0603261N Tactica		Februa	ry 2004
COST (\$ in Millions)	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Total PE Cost	1.877	2.029	6.448	3.906	3.903	11.488	11.71
A2467 UAV CONOPS	1.877	2.029	6.448	3.906	3.903	11.488	11.71

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

The Department of the Navy leadership is committed to Naval Unmanned Aerial Vehicles (UAVs) and to procuring an operational UAV capability as soon as possible. The Naval UAV Strategy employs a family of UAVs to perform tactical, persistent and penetrating ISR in support of Naval and Joint missions from forward bases and naval ships.

In support of the Navy's overall UAV strategy, this program develops Concept of Operations (CONOPS) that integrate UAVs into CNO/Navy Vision of Sea Power 21 (Sea Shield, Sea Strike, Sea Basing, and FORCEnet). By providing fleet input based on current operations with UAVs in a simulated combat environment, this CONOPS development investment is the foundation of how the Carrier Strike Group will operate a combined Manned and Unmanned Naval Air Force. Specifically:

- Demonstrates and assesses utility of a ship-based tactical UAV.
- Leverages and assesses joint utility of Global Hawk Maritime Demonstration System and Predator integration into Expeditionary and Carrier Strike Group operations.
- Demonstrates UAV integration into USN battlespace dominance operations and network centric warfare.
- Demonstrates UAV integration into USN sensor-to-shooter and Sea Strike.
- Supports development of Joint UAV CONOPS through ISR Time Sensitive Operations Joint Test and Evaluation (JTE).
- Develops Intelligence, Surveillance, and Reconnaissance CONOPS in support of strike, Military Operations Other Than War (MOOTW), Anti-Air Warfare (AAW), Combat Search and Rescue (CSAR).
- Demonstrates UAV cross cueing capability with theater and strategic intelligence sources.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:	
· ·							Februa	ry 2004
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEM	ENT NUMBER AN	D NAME		PROJECT NUMBE	ER AND NAME		
RDT&E, N / BA-4	0603261N Tactica	l Airborne Reconna	issance		A2467 UAV CONC	PS Research		
COST (\$ in Millions)		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
A2467 UAV CONOPS Research		1.877	2.029	6.448	3.906	3.903	11.488	11.717
RDT&E Articles Qty								

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

The Department of the Navy leadership is committed to Naval Unmanned Aerial Vehicles (UAVs) and to procuring an operational UAV capability as soon as possible. The Naval UAV Strategy employs a family of UAVs to perform tactical, persistent and penetrating Intelligence Surveillance Reconnaissance (ISR) in support of Naval and Joint missions from forward bases and naval ships.

In support of the Navy's overall UAV strategy, this program develops Concept of Operations (CONOPS) that integrate UAVs into the Navy's Vision of Sea Power 21 (Sea Shield, Sea Strike, Sea Basing, and FORCEnet). By providing fleet input based on current operations with UAVs in a simulated combat environment, this CONOPS development investment is the foundation of how the Carrier Strike Group will operate a combined Manned and Unmanned Naval Air Force. Specifically:

- Demonstrates and assesses utility of a ship-based tactical UAV.
- Leverages and assesses joint utility of Global Hawk Maritime Demonstration System and Predator integration into Expeditionary and Carrier Strike Group operations.
- Demonstrates UAV integration into USN battle space dominance operations and network centric warfare.
- Demonstrates UAV integration into USN sensor-to-shooter and Sea Strike.
- Supports development of Joint UAV CONOPS through ISR Time Sensitive Operations Joint Test and Evaluation (JTE).
- Develops Intelligence, Surveillance, and Reconnaissance CONOPS in support of strike, Military Operations Other Than War (MOOTW), Anti-Air Warfare (AAW), Combat Search and Rescue (CSAR).
 - Demonstrates UAV cross cueing capability with theater and strategic intelligence sources.

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Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, page 2 of 8)

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justifica	ation		DATE: February 2004	
PROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND		
T&E, N / BA-4	0603261N Tactical Airborne Reconnaissance	A2467 UAV CONOPS Res	earch	
Accomplishments/Planned Program				
	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost	1.277	1.529	1.600	
RDT&E Articles Quantity				
	NOPs development in support of Naval Strike Warfare.			
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity	FY 03 0.600	FY 04 0.500	FY 05 0.300	
RDT&E Articles Quantity	FY 03 0.600 ogram.	0.500	0.300	
RDT&E Articles Quantity Conduct DoD UAV Joint Test & Evaluation pr	FY 03 0.600		0.300 FY 05	
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity Conduct DoD UAV Joint Test & Evaluation pr Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity	FY 03 0.600 ogram.	0.500	0.300	

CLASSIFICATION:

KHIBIT R-2a, RDT&E Project Justification					DATE:	February 2004
PROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUME	RER AND NAME		PROJECT NUMBER /	AND NAME	rebluary 2004
DT&E, N / BA-4	0603261N Tactical Airborne F			A2467 UAV CONOPS		
	1000020 TN Tubulout 7 Misorite 1	Coominatoration		712-107 ONV CONCI C	rescaron	
C. PROGRAM CHANGE SUMMARY:						
Funding:		FY 2003	FY 2004	FY 2005		
Previous President's Budget:		1.877	7.051	6.461		
Current BES/President's Budget		1.877	2.029	6.448		
Total Adjustments		0.000	-5.022	-0.013		
Summary of Adjustments						
Economic Assumptions				-0.013		
Reprioritization		0.000	-5.000			
Congressional Undistributed Reductions			-0.022			
Subtotal		0.000	-5.022	-0.013		
Schedule:						
Not applicable						
Technical:						
Not applicable						
D. OTHER PROGRAM FUNDING SUMMARY:	Not applicable					
E. ACQUISITION STRATEGY: Not applicable						

CLASSIFICATION:

									DATE:				
Exhibit R-3 Cost Analysis (pa	ge 1)										February 20	04	
APPROPRIATION/BUDGET ACTIV	/ITY		PROGRAM E				PROJECT N						
RDT&E, N / BA-4			0603261N Ta	ctical Airborne	Reconnaissan		A2467 UAV (search				
Cost Categories	Contract	Performing		Total		FY 03		FY 04		FY 05			
	Method & Type	Activity & Location		PY s Cost	FY 03 Cost	Award Date	FY 04 Cost	Award Date	FY 05 Cost	Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Development	α rype	LUCATION		Cost	Cost	Date	Cost	Date	COSI	Date	Complete	0.000	
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		1										0.000	
Tooling								1				0.000	
GFE								1				0.000	
Award Fees		+										0.000	
Subtotal Product Development		†		0.000	0.000		0.000)	0.00	0	0.000		
Development Support												0.000	
Software Development	TBD	Various							2.95	0 12/04		2.950	
Integrated Logistics Support												0.000	
Configuration Management												0.000)
Technical Data												0.000	
Studies & Analyses	TBD	Various							1.19	8 12/04		1.198	
GFE												0.000	
Award Fees												0.000	
Subtotal Support				0.000	0.000		0.000)	4.14	8	0.000	4.148	3
Remarks:													

CLASSIFICATION:

								DATE:				
Exhibit R-3 Cost Analysis (page	ge 2)							271121		February 20	04	
APPROPRIATION/BUDGET ACTIV		PROGRAM	ELEMENT			PROJECT N	JMBER AND	NAME				
RDT&E, N / BA-4		0603261N	Tactical Airborne	Reconnaissan	ce	A2467 UAV 0	CONOPS Rese	earch				
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	WX	JUAV, Vicksburg, MS		0.600	01/03	0.500	12/03	0.300	12/04	Continuing	Continuing	a
Operational Test & Evaluation		<u>.</u>									0.000	ֹ
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	0.600)	0.500)	0.300		Continuing	Continuing	9
Contractor Engineering Support											0.000)
Government Engineering Support	WX	NSAWC, Fallon, Neveda	5.827	1.277	12/02	1.529	12/03	1.600	12/04	Continuing	Continuing	3
Program Management Support	WX	NAWCAD Pax River						0.350	10/04	Continuing	Continuing	3
Travel	WX	NAWCAD Pax River						0.050	10/04	Continuing	Continuing	3
Transportation											0.000)
SBIR Assessment											0.000)
Subtotal Management			5.827	1.277	,	1.529	9	2.000)	Continuing	Continuing	3
Remarks:												
Total Cost			5.827	1.877		2.029	9	6.448	в	Continuing	Continuing	a
Remarks:			-								•	-

CLASSIFICATION:

EXHIBIT R4, Schedule																									DATE		F	ebrua	ary 20	04		
APPROPRIATION/BUDGET RDT&E, N /	F ACTIVI BA-7													ER ANI econna											ND NAM Researc							
Fiscal Year		20	02			20	03			20	04			20	05			200	06			20	07			20	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
Acquisition Milestones																																
Test & Evaluation Milestones Operational Test (Planning Schedule)					CVW-	CVW			LGB TAC	CVW-	vw-	3 CVV	ue CVW-	CVW-)	/	Dese Resc	ue															
													[STANA	AG 458	6 Eva	<u></u>															
Production Milestones																																
																														<u> </u>		
Deliveries														DDIN					3/1													

 $^{^{\}star}$ Not required for Budget Activities 1, 2, 3, and 6

CLASSIFICATION:

Exhibit R-4a, Schedule Detail						DATE:	Eobruson, 20	0.4							
APPROPRIATION/BUDGET ACTIVITY	PROGRAM EI	EMENIT			IDDO IECT NILI	MBER AND NA	ebruary 20	04							
RDT&E, N / BA-7		-⊑ivi⊑ivi ctical Airborne F	Događajajajajajajajaj	•		UAV CONOPS Research									
Planning Schedule Profile	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009							
Carrier Air Wing Test & Evaluation															
CVW-9		1Q													
CVW-8		1Q													
CVW-11		1Q													
CVW-1		2Q													
CVWR-20		3Q													
CVW-7		4Q	20												
CVW-14 CVW-17			2Q 3Q												
CVW-17			3Q 3Q												
CVW-XX (TBD)			4Q												
CVW-XX (TBD)			70	1Q											
CVW-XX (TBD)				2Q											
CVW-XX (TBD)				3Q											
CVW-XX (TBD)				4Q											
Desert Rescue (Joint Search & Rescue):					+										
Desert Rescue X		4Q													
Desert Rescue XI			4Q												
Desert Rescue XII				4Q											
Tactics Development & Evaluation:															
LGB Through-the-Weather			1Q												
					1										
	<u> </u>	DDINIO LIGT				<u> </u>									

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