

CLASSIFICATION:

**UNCLASSIFIED**

EXHIBIT R-2, RDT&E Budget Item Justification							DATE: February 2006	
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-7					R-1 ITEM NOMENCLATURE 0604402N Unmanned Combat Air Vehicle (UCAV) Adv Cp / Proto Dev			
COST (\$ in Millions)		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total PE Cost				239.163	310.212	369.617	491.347	421.219
3178 Unmanned Combat Air Vehicle (UCAV)				239.163	310.212	369.617	491.347	421.219
A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:								
<p>Note: In FY06 the Department transferred the Joint Unmanned Combat Air System (J-UCAS) program from the Defense Advanced Research Projects Agency (DARPA) to be a joint program led by the Air Force with Navy representation. In Dec 05 the Department further directed the J-UCAS program to split into two separate programs: one AF classified program and a Navy Unmanned Combat Air Vehicle (UCAV) program. This exhibit describes the Navy UCAV program. Funding is being realigned from PE 0604400F and PE 0603400F to PE 0604402N.</p> <p>The UCAV program is an effort to develop Aircraft Carrier based, long endurance, long range, low observable, autonomous capabilities for Persistent Intelligence, Surveillance, and Reconnaissance (ISR) missions within the emerging global command and control architecture for the warfighting community. The program is focused on maturing technologies that support a competition for a System Development and Demonstration (SDD) phase , resulting in an IOC of FY18. SDD funding is not covered or described in this exhibit.</p>								

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**Exhibit R-4a, Schedule Detail**  
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## CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE: <b>February 2006</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-7</b>	PROGRAM ELEMENT NUMBER AND NAME 0604402N UCAV Adv Cp / Proto Dev				PROJECT NUMBER AND NAME 3178 Unmanned Combat Air Vehicle (UCAV)			
COST (\$ in Millions)		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
3178 Unmanned Combat Air Vehicle (UCAV)				239.163	310.212	369.617	491.347	421.219
RDT&E Articles Qty - Not Applicable								

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

The UCAV program is an effort to develop Aircraft Carrier based, long endurance, long range, low observable, autonomous capabilities for Persistent Intelligence, Surveillance, and Reconnaissance (ISR) missions within the emerging global command and control architecture for the warfighting community. The program is focused on maturing technologies that support a competition for a System Development and Demonstration (SDD) phase , resulting in an IOC of FY18. SDD funding is not covered or described in this exhibit.

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Exhibit R-4a, Schedule Detail  
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EXHIBIT R-2a, RDT&E Project Justification			DATE: <b>February 2006</b>																
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-7</b>	PROGRAM ELEMENT NUMBER AND NAME 0604402N UCAV Adv Cp / Proto Dev	PROJECT NUMBER AND NAME 3178 Unmanned Combat Air Vehicle (UCAV)																	
<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: 15%;"></th><th style="width: 15%;">FY 05</th><th style="width: 15%;">FY 06</th><th style="width: 15%;">FY 07</th></tr></thead><tbody><tr><td>Accomplishments/Effort/Subtotal Cost</td><td></td><td></td><td></td><td style="text-align: right;">239.163</td></tr><tr><td>RDT&amp;E Articles Quantity</td><td></td><td></td><td></td><td></td></tr></tbody></table>							FY 05	FY 06	FY 07	Accomplishments/Effort/Subtotal Cost				239.163	RDT&E Articles Quantity				
		FY 05	FY 06	FY 07															
Accomplishments/Effort/Subtotal Cost				239.163															
RDT&E Articles Quantity																			
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EXHIBIT R-2a, RDT&E Project Justification		February 2006
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
<b>RDT&amp;E, N / BA-7</b>	0604402N UCAV Adv Cp / Proto Dev	3178 Unmanned Combat Air Vehicle (UCAV)
<b>C. PROGRAM CHANGE SUMMARY:</b>		
Funding:	FY 05	FY 06
Previous President's Budget:		0.000
Current President's Budget:		239.163
Total Adjustments		239.163
Summary of Adjustments		
Congressional Reductions		
Congressional Rescissions		
Congressional Undistributed Reductions		
Congressional Increases		
Economic Assumptions		0.163
Miscellaneous		239.000
Subtotal		239.163
Schedule:		
Not applicable		
Technical:		
Not applicable		

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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-7</b>		PROGRAM ELEMENT NUMBER AND NAME 0604402N UCAV Adv Cp / Proto Dev		PROJECT NUMBER AND NAME 3178 Unmanned Combat Air Vehicle (UCAV)																							
<p><b>D. OTHER PROGRAM FUNDING SUMMARY:</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;"><u>Line Item No. &amp; Name</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>FY 2005</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>FY 2006</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>FY 2007</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>FY 2008</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>FY 2009</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>FY 2010</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>FY 2011</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>To Complete</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>0604731N / UCAV</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">61.275</td> <td style="text-align: right;">102.166</td> <td></td> <td style="text-align: right;">163.441</td> </tr> </tbody> </table> <p><b>E. ACQUISITION STRATEGY:</b></p> <p>In December 2005, the Department directed the funding of a Navy Unmanned Combat Air Vehicle Program. The funding will come from a portion of the J-UCAS PE from FY07 to FY11 as directed . The Department also requires the Navy to submit by August 2006, a restructured program and a plan to conduct an Aircraft Carrier demonstration of a low observable unmanned combat air system. The Navy is currently formulating that plan.</p> <p>The UCAV acquisition strategy is to mature required technologies for a Aircraft Carrier based, long endurance, long range, low observable, autonomous capabilities for a Persistent Intelligence, Surveillance, and Reconnaissance (ISR) Unmanned Aerial System (UAS) to the appropriate level for a Milestone B, notionally including a competitive down select to a single contractor for the SDD phase. This effort will leverage not only the work conducted under the former J-UCAS program, but also other efforts ongoing in the Department. The ultimate goal is to provide a carrier based, long endurance, long range, low observable, autonomous capable, Persistent Intelligence, Surveillance, and Reconnaissance (ISR) UAS operational capability.</p>								<u>Line Item No. &amp; Name</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>To Complete</u>	<u>Total Cost</u>	0604731N / UCAV						61.275	102.166		163.441
<u>Line Item No. &amp; Name</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>To Complete</u>	<u>Total Cost</u>																		
0604731N / UCAV						61.275	102.166		163.441																		

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**Exhibit R-4a, Schedule Detail**  
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## CLASSIFICATION:

Exhibit R-3 Cost Analysis (page 1)								DATE: February 2006				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
RDT&E, N / BA-7			0604402N UCAV Adv Cp / Proto Dev			3178 Unmanned Combat Air Vehicle (UCAV)						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Development*	TBD	TBD						239.163	12/06	Continuing	Continuing	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal Product Development			0.000	0.000		0.000		239.163		Continuing	Continuing	
Remarks: * All funding is reflected under Primary Hardware Development. Detailed estimates by cost categories are currently unavailable. These funds will also cover Government engineering support, logistical support, program management support, and travel for the UCAV program.												
Integrated Logistics Support	WX	Various									0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	
Remarks:												

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Exhibit R-3 Cost Analysis (page 2)									DATE: February 2006			
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
RDT&E, N / BA-7			0604402N UCAV Adv Cp / Proto Dev			3178 Unmanned Combat Air Vehicle (UCAV)						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal T&E			0.000	0.000		0.000		0.000			0.000	
Remarks:												
Government Engineering Support	WX	Various									0.000	
Program Management Support	Various	Various									0.000	
Travel	TO	NAVAIR-HQ, Pax River, MD									0.000	
											0.000	
											0.000	
Subtotal Management			0.000	0.000		0.000		0.000			0.000	
Remarks:												
Total Cost			0.000	0.000		0.000		239.163		Continuing	Continuing	
Remarks:												

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Exhibit R-4a, Schedule Detail  
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EXHIBIT R4, Schedule Profile																DATE: February 2006												
APPROPRIATION/BUDGET ACTIVITY								PROGRAM ELEMENT NUMBER AND NAME								PROJECT NUMBER AND NAME												
RDT&E, N / BA-7								0604402N UCAV Adv Cp / Proto Dev								3178 Unmanned Combat Air Vehicle (UCAV)												
Fiscal Year	2005				2006				2007				2008				2009				2010				2011			
	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
UCAV Development Activities																												
	Development Activities																											

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