

UNCLASSIFIED

PE NUMBER: 0604400F

PE TITLE: Joint Unmanned Combat Air System (J-UCAS)

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
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BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0604400F Joint Unmanned Combat Air System (J-UCAS)
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Cost (\$ in Millions)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	222.540	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
5058 Unmanned Combat Air Vehicle (UCAV)	222.540	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD

Note: In FY06, the Joint Unmanned Combat Air Systems (J-UCAS) program was transferred from the Defense Advanced Research Projects Agency (DARPA) to be a joint Air Force/Navy program. The J-UCAS program is being terminated and \$1,830.5M is being realigned to PE0604402N in FY07-11.

(U) A. Mission Description and Budget Item Justification

The Joint Unmanned Combat Air Systems (J-UCAS) is a joint Air Force/Navy Capabilities Demonstration Program (CDP) to mature technologies to investigate the technical feasibility and operational value of unmanned combat air vehicles to provide the capability for high-threat Suppression of Enemy Air Defenses (SEAD), Electronic Attack, Strike/Persistent Ground Attack and carrier based Persistent Intelligence, Surveillance and Reconnaissance (ISR) missions. The program will demonstrate capabilities that support both Services and enable an operational system development decision in the 2012 timeframe.

The 2005 Quadrennial Defense Review (QDR) of the future force requirements for the United States military recommended termination of the J-UCAS CDP. DoD, IAW this recommendation, is terminating the J-UCAS program in FY07.

This is a BA 04 program, Advanced Component Development and Prototypes, for development of the common systems and technologies as well as the Boeing and Northrop Grumman demonstrator programs. These funds will also cover the cost of conducting the joint operational assessment, including modeling, simulation, and flight testing.

(U) B. Program Change Summary (\$ in Millions)

	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Previous President's Budget	227.857	0.000		
(U) Current PBR/President's Budget	224.360	0.000		
(U) Total Adjustments	-3.497			
(U) Congressional Program Reductions	1.133			
Congressional Rescissions				
Congressional Increases				
Reprogrammings	-0.748			
SBIR/STTR Transfer	-3.882			

(U) Significant Program Changes:

As a result of the 2005 QDR, DoD is terminating the J-UCAS program in FY07 and realigning \$1,830.5M in outyear funding to PE0604402N.

Exhibit R-2a, RDT&E Project Justification

DATE
February 2007

BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)				PE NUMBER AND TITLE 0604400F Joint Unmanned Combat Air System (J-UCAS)				PROJECT NUMBER AND TITLE 5058 Unmanned Combat Air Vehicle (UCAV)		
Cost (\$ in Millions)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
5058 Unmanned Combat Air Vehicle (UCAV)	222.540	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

Note: In FY06, the Joint Unmanned Combat Air Systems (J-UCAS) program was transferred from the Defense Advanced Research Projects Agency (DARPA) to be a joint Air Force/Navy program. The J-UCAS program is being terminated and \$1,830.5M in funding is being realigned to PE0604402N in FY07-11.

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(U) B. Accomplishments/Planned Program (\$ in Millions)

	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Continue development of J-UCAS systems, specifically the Boeing and Northrop Grumman demonstrator programs	224.360	0.000		
(U) Total Cost	224.360	0.000	0.000	0.000

(U) C. Other Program Funding Summary (\$ in Millions)

	<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>FY 2012</u>	<u>FY 2013</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Complete</u>							
(U) Defense-Wide RDT&E (PE0603400D8Z)	0.000	0.000	0.000	0.000	0.000	0.000				
(U) Defense-Wide RDT&E (PE0604400D8Z)	0.000	0.000	0.000	0.000	0.000	0.000				
(U) AF RDT&E (PE0603400F)	80.364	0.000	0.000	0.000	0.000	0.000				
(U) NAVY RDT&E	0.000	239.000	310.000	369.400	491.100	421.000			Continuing	TBD

Exhibit R-2a, RDT&E Project Justification

DATE

February 2007

BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0604400F Joint Unmanned Combat
Air System (J-UCAS)

PROJECT NUMBER AND TITLE

5058 Unmanned Combat Air Vehicle
(UCAV)(U) C. Other Program Funding Summary (\$ in Millions)

(PE0604402N)

(U) D. Acquisition Strategy

Not applicable. The J-UCAS program is being terminated in FY07.

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Exhibit R-3, RDT&E Project Cost Analysis

DATE

February 2007

BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT NUMBER AND TITLE
04 Advanced Component Development and Prototypes (ACD&P)	0604400F Joint Unmanned Combat Air System (J-UCAS)	5058 Unmanned Combat Air Vehicle (UCAV)

(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY 2006 Cost</u>	<u>FY 2006</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2009</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
				<u>Cost</u>	<u>Award Date</u>									
(U) <u>Product Development</u>														
X-45	Section 845, OTA Agreement	Boeing Co, St. Louis, MO		131.704									131.704	
X-47	Section 845, OTA Agreement	Northrop Grumman, Rancho Bernardo, CA		56.556									56.556	
Common Systems & Technologies	Multiple	Various											0.000	0.000
Subtotal Product Development			0.000	188.260		0.000		0.000		0.000		0.000	188.260	0.000
Remarks:														
(U) <u>Support</u>														
Other Gov't Costs				26.720									26.720	
Subtotal Support			0.000	26.720		0.000		0.000		0.000		0.000	26.720	0.000
Remarks:														
(U) <u>Test & Evaluation</u>														
Gov't Test		AFFTC, Edwards AFB		5.020									5.020	
Gov't Test		Patuxent River, Lakehurst		4.360									4.360	
Subtotal Test & Evaluation			0.000	9.380		0.000		0.000		0.000		0.000	9.380	0.000
Remarks:														
(U) <u>Management</u>														
Subtotal Management			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Total Cost			0.000	224.360		0.000		0.000		0.000		0.000	224.360	0.000

Exhibit R-4, RDT&E Schedule Profile

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BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0604400F Joint Unmanned Combat
Air System (J-UCAS)

PROJECT NUMBER AND TITLE

5058 Unmanned Combat Air Vehicle
(UCAV)

N/A -- These funds cover the development of the common systems and technologies as well as the Boeing and Northrop Grumman demonstrator programs. In addition, these funds cover the cost of conducting the joint operational assessment, including modeling, simulation, and flight testing.

Exhibit R-4a, RDT&E Schedule Detail	DATE February 2007
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BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0604400F Joint Unmanned Combat Air System (J-UCAS)	PROJECT NUMBER AND TITLE 5058 Unmanned Combat Air Vehicle (UCAV)
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	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) <u>Schedule Profile</u>				
(U) X-45 System Requirements Review	4Q			
(U) X-47 Critical Design Review	4Q			