

UNCLASSIFIED

PE NUMBER: 0207224F

PE TITLE: COMBAT RESCUE AND RECOVERY

Exhibit R-2, RDT&E Budget Item Justification								DATE February 2005		
BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0207224F COMBAT RESCUE AND RECOVERY					
Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	2.000	12.234	113.825	236.683	239.616	73.322	34.640	112.561	Continuing	TBD
5125 Personnel Recovery Vehicle	2.000	12.234	113.825	236.683	239.616	73.322	34.640	112.561	Continuing	TBD

(U) **A. Mission Description and Budget Item Justification**

The Personnel Recovery Vehicle (PRV) is the follow-on Combat Search and Rescue vehicle to the HH-60G. The PRV is tasked with recovering downed aircrew members and other isolated personnel during war. It is also tasked to perform rescue operations in Military Operations Other Than War (MOOTW), to include civil search and rescue, emergency aeromedical evacuation, disaster relief, international aid, noncombatant evacuation operations, counter-drug operations, and space shuttle support.

The PRV will provide Personnel Recovery (PR) forces with a medium-lift vertical take-off and landing aircraft that is quickly deployable and capable of main base and austere location operations for worldwide PR missions. The PRV will be capable of operating in all environmental regions of the globe (e.g., arctic, desert, mountainous, littoral, tropical, etc.), day or night during adverse weather conditions, and in a variety of spectrums of warfare to include passing through Nuclear, Biological, and Chemical (NBC) environments. On-board defensive capabilities will permit the PRV to operate in an increased threat environment. An in-flight refueling capability will provide an airborne alert capability and extend its combat mission range. The aircraft will be self-supporting to the maximum extent practical.

As part of the Common Vertical Lift approach, there will also be a procurement of 66 Common Vertical Lift Support Platform (CVLSP). The CVLSP is a less complex variant than the PRV Block 0 aircraft that will provide a medium-lift vertical take-off and landing aircraft to support Air Mobility Command (AMC) and Air Force Space Command (AFSPC) requirements. The CVLSP replaces the current UH-1Ns. The first variant of up to 20 aircraft for AMC will provide a safe and reliable passenger airlift for the National Capitol Region. The second variant of up to 46 aircraft will support AFSPC, AETC, AFMC, and PACAF. This mission includes protection of CONUS strategic nuclear and space launch assets through its primary missions of responding to critical incidents, securing of base movement of strategic assets, performing general security operations, and providing general mission support.

This RDT&E funding is required for the development of five Test Vehicles (TV) and the design, integration, testing and certification of PRV mission components required by the Operational Requirements Document (ORD). PRV acquisition strategy has been revised to pursue a two-phase spiral development approach. Phase 1 will develop and field two increments, a Block 0 and a Block 10 platform. The Block 0 PRV will begin production deliveries in FY11, and have an Initial Operational Capability (IOC) in FY13. Block 10 PRVs will have an IOC of FY18. Phase 2 of the PRV acquisition program will develop an improved combat rescue vehicle with increased speed, range, and survivability with planned fielding starting in FY22.

R-1 Shopping List - Item No. 137-2 of 137-8

Exhibit R-2 (PE 0207224F)

R-1 Shopping List - Item No. 137-2 of 137-8

Exhibit R-2 (PE 0207224F)

Exhibit R-2, RDT&E Budget Item Justification

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BUDGET ACTIVITY

07 Operational System Development

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0207224F COMBAT RESCUE AND RECOVERY

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

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Previous President's Budget	0.000	12.342	139.900	288.900
(U) Current PBR/President's Budget	2.000	12.234	113.825	236.683
(U) Total Adjustments	2.000	-0.108		
(U) Congressional Program Reductions				
Congressional Rescissions		-0.108		
Congressional Increases				
Reprogrammings	2.000			
SBIR/STTR Transfer				

(U) **Significant Program Changes:**

FY04 reprogramming action of \$2M for PRV new start to stand up systems program office (SPO) to accelerate program was accomplished Aug 04. FY06 / 07 funds realigned to support higher USAF priorities.

Exhibit R-2a, RDT&E Project Justification

DATE

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BUDGET ACTIVITY					PE NUMBER AND TITLE			PROJECT NUMBER AND TITLE		
07 Operational System Development					0207224F COMBAT RESCUE AND RECOVERY			5125 Personnel Recovery Vehicle		
Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
5125 Personnel Recovery Vehicle	2.000	12.234	113.825	236.683	239.616	73.322	34.640	112.561	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**

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

	FY 2004	FY 2005	FY 2006	FY 2007
(U) SPO support in development of test and evaluation master plan, acquisition strategy, preparation of Milestone B (MS B) documentation, development of request for proposals, and support of source selection activities and contract award.	0.456	3.842	4.866	5.227
(U) Studies and Analysis	1.544	8.342		
(U) Test and evaluation planning		0.050	0.745	1.201

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Exhibit R-2a, RDT&E Project Justification

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PROJECT NUMBER AND TITLE

5125 Personnel Recovery Vehicle

(U) Development of test vehicles			108.214	230.255
(U)				
(U)				
(U)				
(U) Total Cost	2.000	12.234	113.825	236.683

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

	<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>FY 2010</u>	<u>FY 2011</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(U) 3010 BP10 AP, PE 27224					31.900	293.801	327.749	655.768		TBD

(U) **D. Acquisition Strategy**

Request for proposals (RFP) to be released in FY05. Competitive source selection and contract award to be completed in FY06. Test articles will be delivered starting in FY09. Milestone C is planned for FY11.

The acquisition strategy has been revised to pursue a two-phase spiral development approach. Increment 1 will develop a Block 0 platform and a Block 10 platform. The Block 0 PRV will meet KPP requirements, begin production deliveries in FY11, and have an Initial Operational Capability (IOC) in FY13. Block 10 PRVs will be fully ORD-compliant aircraft (PRV Increment 1) and have an IOC of FY18. Increment 2 of the PRV acquisition program will develop an improved combat rescue vehicle with increased speed, range, and survivability with a planned fielding starting in FY22

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Exhibit R-3, RDT&E Project Cost Analysis

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PROJECT NUMBER AND TITLE

5125 Personnel Recovery Vehicle

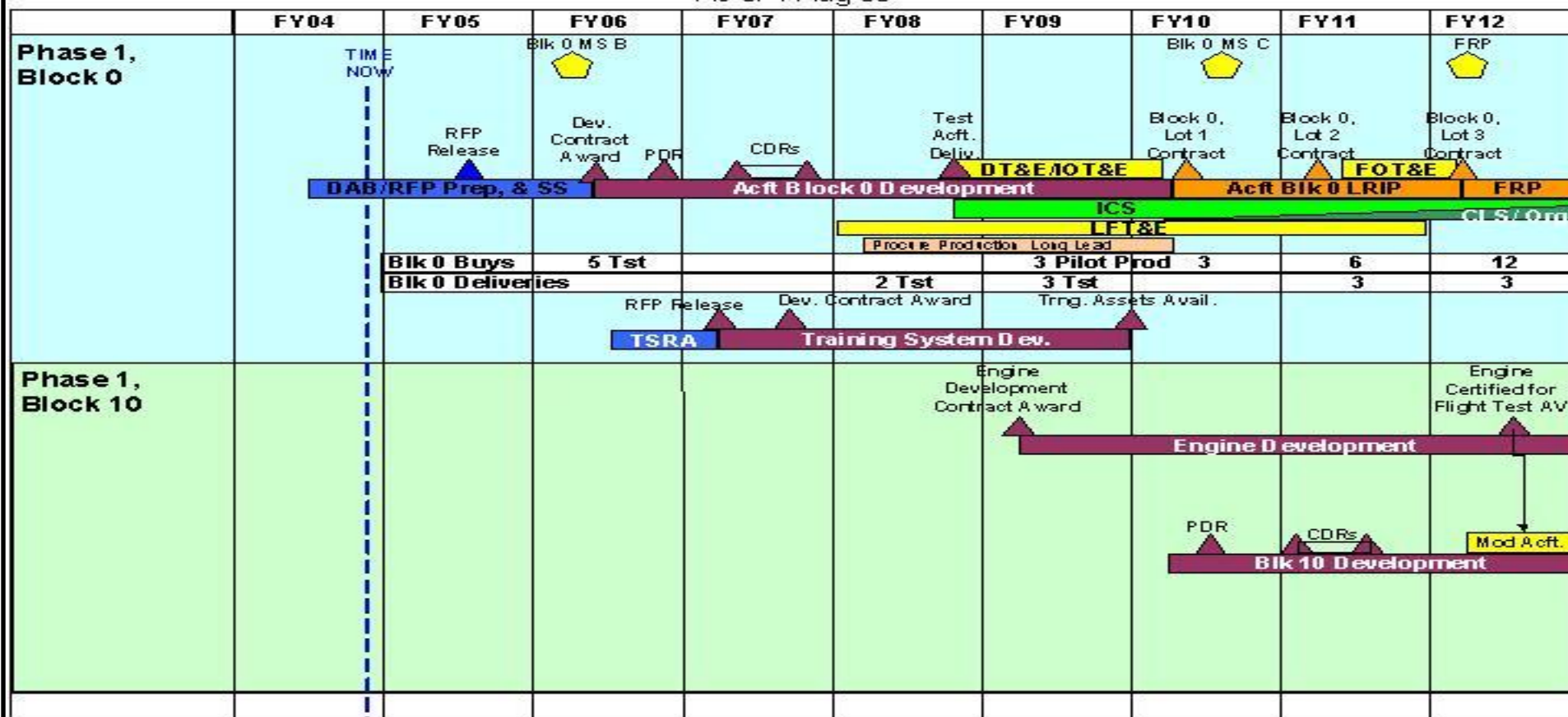
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY 2004 Cost</u>	<u>FY 2004 Cost</u>	<u>FY 2004 Award Date</u>	<u>FY 2005 Cost</u>	<u>FY 2005 Award Date</u>	<u>FY 2006 Cost</u>	<u>FY 2006 Award Date</u>	<u>FY 2007 Cost</u>	<u>FY 2007 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u>	TBD			1.544		8.342		108.214		230.255		Continuing	TBD	
Subtotal Product Development			0.000	1.544		8.342		108.214		230.255		Continuing	TBD	0.000
Remarks:														
(U) <u>Support</u>	TBD											Continuing	TBD	
Subtotal Support			0.000	0.000		0.000		0.000		0.000		Continuing	TBD	0.000
Remarks:														
(U) <u>Test & Evaluation</u>	TBD					0.050		0.745		1.201		Continuing	TBD	
Subtotal Test & Evaluation			0.000	0.000		0.050		0.745		1.201		Continuing	TBD	0.000
Remarks:														
(U) <u>Management</u>	TBD			0.456		3.842		4.866		5.227		Continuing	TBD	
Subtotal Management			0.000	0.456		3.842		4.866		5.227		Continuing	TBD	0.000
Remarks:														
(U) Total Cost			0.000	2.000		12.234		113.825		236.683		Continuing	TBD	0.000

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0207224F COMBAT RESCUE AND RECOVERY

PROJECT NUMBER AND TITLE	5125 Personnel Recovery Vehicle
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As of 1 Aug 03



DT&E: Developmental Test & Evaluation
IOT&E: Initial Operational Test & Evaluation
FOT&E: Follow-on Operational Test & Evaluation

CLS / Organic Spt

  
Key Events

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Exhibit R-4a, RDT&E Schedule Detail

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PROJECT NUMBER AND TITLE

5125 Personnel Recovery Vehicle

(U) **Schedule Profile**FY 2004FY 2005FY 2006FY 2007

(U) Develop Acquisition Strategy

2Q

(U) Develop RFP

3Q

(U) Conduct PRV Source Selection

4Q

(U) Milestone B

1Q

(U) Contract Award

2Q