

UNCLASSIFIED

PE NUMBER: 0207224F
 PE TITLE: COMBAT RESCUE AND RECOVERY

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2004
---	-------------------------------------

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207224F COMBAT RESCUE AND RECOVERY
--	--

Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	12.342	139.934	288.865	293.287	328.453	Continuing	TBD
4992 Family of Interoperable Operational Pictures (FIOP)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
5125 Personnel Recovery Vehicle	0.000	0.000	12.342	139.934	288.865	293.287	328.453	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

The Personnel Recovery Vehicle (PRV) is the follow-on 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.

This RDT&E funding is required for the development of two Test Vehicles (TV) and the design, integration, testing and certification of PRV mission components required by the Operational Requirements Document.

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

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Previous President's Budget	0.000	0.000	13.377
(U) Current PBR/President's Budget	0.000	0.000	12.342
(U) Total Adjustments	0.000	0.000	
(U) Congressional Program Reductions			
Congressional Rescissions			
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer			
(U) <u>Significant Program Changes:</u>			

Exhibit R-2a, RDT&E Project Justification

DATE

February 2004

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 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
5125 Personnel Recovery Vehicle	0.000	0.000	12.342	139.934	288.865	293.287	328.453	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	2	0	0	0		

(U) A. Mission Description and Budget Item Justification

The Personnel Recovery Vehicle (PRV) is the follow-on 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.

This RDT&E funding is required for the development of two Test Vehicles (TV) and the design, integration, testing and certification of PRV mission components required by the Operational Requirements Document.

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

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) SPO support in development of test and evaluation master plan, acquisition strategy, preparation of Milestone B (MS B) documentation and development of request for proposals.			3.500
(U) Propulsion Development			8.792
(U) Test and Evaluation Planning			0.050
(U) Total Cost	0.000	0.000	12.342

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

	<u>FY 2003</u> <u>Actual</u>	<u>FY 2004</u> <u>Estimate</u>	<u>FY 2005</u> <u>Estimate</u>	<u>FY 2006</u> <u>Estimate</u>	<u>FY 2007</u> <u>Estimate</u>	<u>FY 2008</u> <u>Estimate</u>	<u>FY 2009</u> <u>Estimate</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>
(U) 3010 BP10 AP, PE 27224							35.635		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. Spiral development of PRV is anticipated. Test articles to be delivered in FY08. Milestone C and low-rate initial production decision is expected in FY10. Production aircraft deliveries start in FY12 with initial operational capability (IOC) expected in FY14.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis

DATE

February 2004

BUDGET ACTIVITY		PE NUMBER AND TITLE						PROJECT NUMBER AND TITLE				
07 Operational System Development		0207224F COMBAT RESCUE AND RECOVERY						5125 Personnel Recovery Vehicle				
(U) <u>Cost Categories</u>	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>Cost to</u>	<u>Total</u>	<u>Target</u>
(Tailor to WBS, or System/Item Requirements) (\$ in Millions)			<u>Prior to FY</u>	<u>2003</u>	<u>2003</u>	<u>2004</u>	<u>2004</u>	<u>2005</u>	<u>2005</u>	<u>Complete</u>	<u>Cost</u>	<u>Value of</u>
			<u>2003</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u>	<u>Award</u>			<u>Contract</u>
			<u>Cost</u>		<u>Date</u>		<u>Date</u>		<u>Date</u>			
(U) <u>Product Development</u>	TBD							8.792		Continuing	TBD	
Subtotal Product Development			0.000	0.000		0.000		8.792		Continuing	TBD	0.000
Remarks:												
(U) <u>Support</u>	TBD							2.000		Continuing	TBD	
Subtotal Support			0.000	0.000		0.000		2.000		Continuing	TBD	0.000
Remarks:												
(U) <u>Test & Evaluation</u>	TBD							0.050		Continuing	TBD	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.050		Continuing	TBD	0.000
Remarks:												
(U) <u>Management</u>	TBD							1.500		Continuing	TBD	
Subtotal Management			0.000	0.000		0.000		1.500		Continuing	TBD	0.000
Remarks:												
(U) Total Cost			0.000	0.000		0.000		12.342		Continuing	TBD	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE

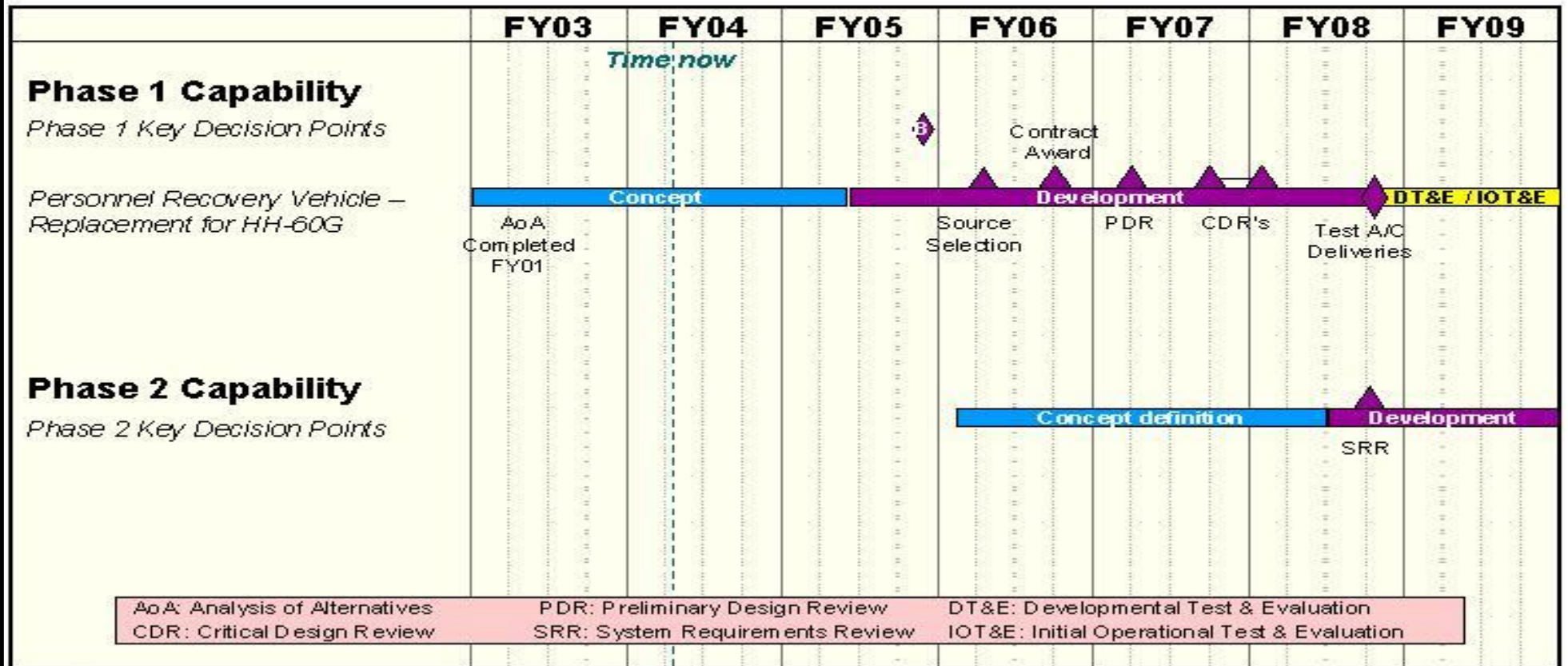
February 2004

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0207224F COMBAT RESCUE AND RECOVERY

PROJECT NUMBER AND TITLE
5125 Personnel Recovery Vehicle

PRV Schedule



AoA: Analysis of Alternatives PDR: Preliminary Design Review DT&E: Developmental Test & Evaluation
 CDR: Critical Design Review SRR: System Requirements Review IOT&E: Initial Operational Test & Evaluation

- Concept activities
- Design / development
- Integration / test
- Production / fielding
- Operations / Sustainment
- Key events

UNCLASSIFIED

Exhibit R-4a, RDT&E Schedule Detail	DATE February 2004
--	------------------------------

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207224F COMBAT RESCUE AND RECOVERY	PROJECT NUMBER AND TITLE 5125 Personnel Recovery Vehicle
---	---	--

(U) <u>Schedule Profile</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Develop RFP			3Q
(U) Develop Acquisition Strategy			2Q
(U) Propulsion Development			4Q