Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

3600: Research, Development, Test & Evaluation, Air Force

PE 0207224F: Combat Rescue and Recovery

BA 7: Operational Systems Development

,	•											
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	2.292	2.095	2.582	-	2.582	5.159	0.420	0.000	0.000	Continuing	Continuing
676016: Avionics Development and Integration	-	2.292	2.095	2.582	-	2.582	5.159	0.420	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

Note

A. Mission Description and Budget Item Justification

The Air Force Rotary Wing Avionics Development and Integration effort is a program to develop a fully integrated avionics upgrade that includes predictive terrain awareness. This program focuses on developing and integrating technologies that will increase the situational awareness of helicopter crews in a degraded visibility environment. This effort was initiated by the Defense Safety Oversight Council.

In FY12, Project Number 657001, Avionics Development and Integration, efforts were transferred from PE 0605229F, CSAR HH-60 Recapitalization, Project Number 657001, Avionics Development and Integration, in order to effectively execute this effort for currently fielded HH-60G helicopters.

B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	2.292	2.095	3.633	-	3.633
Current President's Budget	2.292	2.095	2.582	-	2.582
Total Adjustments	0.000	0.000	-1.051	-	-1.051
 Congressional General Reductions 	-	0.000			
 Congressional Directed Reductions 	-	0.000			
 Congressional Rescissions 	0.000	0.000			
 Congressional Adds 	-	0.000			
 Congressional Directed Transfers 	-	0.000			
Reprogrammings	0.000	0.000			
SBIR/STTR Transfer	0.000	0.000			
Other Adjustments	0.000	0.000	-1.051	-	-1.051

Change Summary Explanation

FY14: Reduction due to higher Air Force priorities

PE 0207224F: Combat Rescue and Recovery

UNCLASSIFIED

Page 1 of 6 R-1 Line #142

Air Force

^{##} The FY 2014 OCO Request will be submitted at a later date

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE 3600: Research, Development, Test & Evaluation, Air Force

PE 0207224F: Combat Rescue and Recovery BA 7: Operational Systems Development

FY 2012	FY 2013	FY 2014
2.292	2.095	2.582
2.292	2.095	2.582
	2.292	2.292 2.095

D. Other Program Funding Summary (\$ in Millions)

N/A

Remarks

E. Acquisition Strategy

The Air Force is in the process of integrating the Three Dimensional Landing Zone (3D-LZ) technology into an air worthy payload. This payload will be integrated with existing forward looking infrared turrets to minimize additional equipment and weight on the aircraft. Once the payload is tested, the Air Force will finalize its strategy for fleet implementation.

F. Performance Metrics

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

PE 0207224F: Combat Rescue and Recovery

Air Force

Exhibit R-3, RDT&E	Project C	ost Analysis: PB 2	2014 Air F	orce								DATE	: April 20	13	
APPROPRIATION/BI	UDGET A	CTIVITY				R-1 ITE	M NOME	NCLATU	IRE		PROJE	СТ			
3600: Research, Dev BA 7: Operational Sy			Air Force			PE 020 Recove		ombat Re	escue and	1	676016 Integrat		Developi	ment and	
Product Developme	nt (\$ in M	illions)		FY 2	2012	FY 2	2013		2014 ise		2014 CO	FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Engineering	C/CPFF	Raytheon Space and Airborne Systems:El Segundo, CA	-	1.256	Mar 2012	0.000		1.018	Mar 2013	-		1.018	Continuing	Continuing	
		Subtotal	0.000	1.256		0.000		1.018		0.000		1.018			
Support (\$ in Millions)			FY 2	2012	FY 2	2013	FY 2014 Base		FY 2014 OCO		FY 2014 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract
		Subtotal	0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
Test and Evaluation	(\$ in Milli	ions)		FY 2	2012	FY 2	2013		2014 ise		2014 CO	FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract
Flight Test	MIPR	Aero Flight Dynamics Directorate:Moffett Field, CA	-	0.698		1.320		1.118		-		1.118	Continuing	Continuing	
		Subtotal	0.000	0.698		1.320		1.118		0.000		1.118			
Management Servic	es (\$ in M	lillions)		FY 2	2012	FY 2	2013		2014 ase		2014 CO	FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract
Program Management	MIPR	AFRL:Eglin AFB, FL	-	0.338		0.775		0.446		-		0.446	Continuing	Continuing	
		Subtotal	0.000	0.338		0.775		0.446		0.000		0.446			
			All Prior Years	FY 2	2012	FY 2	2013		2014 ase	FY 2	2014 CO	FY 2014 Total	Cost To	Total Cost	Target Value of Contract
			1 cars												

PE 0207224F: Combat Rescue and Recovery Air Force

UNCLASSIFIED

Page 3 of 6 R-1 Line #142

Exhibit R-3, RDT&E Project Cost Analysis: PB	2014 Air F	orce					DATE	: April 20	13	
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, BA 7: Operational Systems Development	Air Force	,	R-1 ITEM NOM PE 0207224F: 0 Recovery	ENCLATURE Combat Rescue and	1	PROJE 676016 Integrat	: Avionics	s Developr	ment and	i e
	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
l <u>a</u> .										

Remarks

PE 0207224F: Combat Rescue and Recovery

Air Force

Exhibit R-4, RDT&E Schedule Profile: PB 2014 Air Force DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force

BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE PROJECT

PE 0207224F: Combat Rescue and

Recovery

676016: Avionics Development and

Integration

Avionics Development and Integration

Ladar Payload Development and Assembly

EH-60 Ladar Flight Test

Limited Operational Utility Assessment

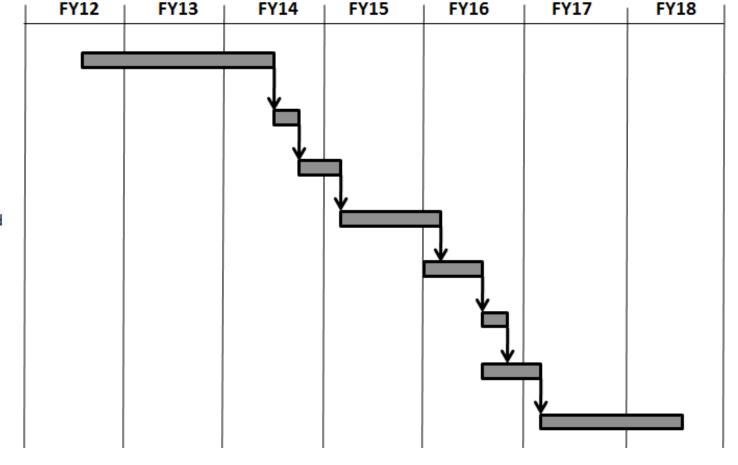
Integrated FLIR/Ladar Payload Assembly

PM and Hot Bench (WRALC)

Initial HH-60 Flight Test

Qualification Testing

System Installation



PE 0207224F: Combat Rescue and Recovery

Air Force

UNCLASSIFIED Page 5 of 6

R-1 Line #142

DATE: April 2013 Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE **PROJECT**

3600: Research, Development, Test & Evaluation, Air Force PE 0207224F: Combat Rescue and 676016: Avionics Development and Integration

BA 7: Operational Systems Development Recovery

Schedule Details

	St	art	End		
Events	Quarter	Year	Quarter	Year	
Ladar Payload Development and Assembly	2	2012	2	2014	
EH-60 Ladar Flight Test	2	2014	3	2014	
Limited Operational Utility Assessment	3	2014	1	2015	
Integrated FIIR/Ladar Payload Assembly	1	2015	1	2016	
PM and Hot Bench (WRALC)	3	2015	3	2016	
Inital HH-60 Flight Test	2	2016	4	2016	
Qualification Testing	2	2016	4	2016	
System Installation	1	2017	2	2018	

PE 0207224F: Combat Rescue and Recovery Air Force