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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0605229F I CSAR HH-60 Recapitalization							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	43.900	333.558	100.000	156.085	-	156.085	422.514	457.856	415.360	134.975	41.642	2,105.890
654364: Combat Rescue Helicopter	43.900	333.558	100.000	156.085	-	156.085	422.514	457.856	415.360	134.975	41.642	2,105.890
Quantity of RDT&E Articles	-	4	-	-	-	-	5	-	-	-		
Program MDAP/MAIS Code: 479												
A. Mission Description and Budget Item Justification												
The Combat Rescue Helicopter (CRH) program, formerly referred to as HH-60 Recapitalization, will replace the aging HH-60G. The HH-60G currently supports the Air Force's core function of Personnel Recovery. The primary mission of the HH-60G is to conduct day / night / marginal weather Combat Search and Rescue (CSAR) in order to recover downed aircrew or other isolated personnel in hostile or non-permissive environments. The CRH will be capable of employment day or night, in adverse weather, and in a variety of threat spectrums from terrorist attacks to chemical, biological, radiological, and nuclear threats. Onboard defensive capabilities will permit the CRH system to operate in an increased threat environment. An in-flight air refueling capability will provide an airborne alert capability and extend its combat mission range. The CRH system may conduct combat search and rescue airborne mission commander duties. The aircraft will be self-supporting to the maximum extent practical. The CRH system may also conduct other collateral missions inherent in their capabilities to conduct Personnel Recovery, such as non-conventional assisted recovery, non-conventional evacuation operations, defense support to civil authorities, civil search and rescue, international aid, emergency aeromedical evacuation, disaster/humanitarian relief, counterdrug activities, support for National Aeronautics and Space Administration flight operations, and insertion/extraction of combat forces. The CRH development effort will procure a total of nine developmental test aircraft and other necessary ground and flight assets. The exercised portion of the CRH contract also includes development of the complete CRH training system to include CRH Weapon System Trainer (WST), Operational Flight Trainer (OFT), Airframe Systems Trainer (AST), other maintenance training devices, as well as Type 1 training and courseware required to perform aircrew and maintenance training. Other efforts include, but are not limited to, development of a systems integration laboratory and an avionics integration support facility, as well as procurement of data rights and licenses, spares, initiating System Demonstration Test Article (SDTA) development, and product support for the Engineering, Manufacturing, and Development effort. This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full-rate production.												

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B. Program Change Summary (\$ in Millions)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget		333.558	-	10.973	-	10.973
Current President's Budget		333.558	100.000	156.085	-	156.085
Total Adjustments		-	100.000	145.112	-	145.112
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	100.000			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-	-			
• Other Adjustments		-	-	145.112	-	145.112
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 654364: Combat Rescue Helicopter						
Congressional Add: Combat Rescue Helicopter						
Congressional Add Subtotals for Project: 654364						
Congressional Add Totals for all Projects						
Change Summary Explanation						
FY16: Changes in funding reflects the SECAF decision's to continue the CRH program.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2014	FY 2015	FY 2016
Title: Combat Rescue Helicopter (CRH)				331.028	-	155.803
Description: Procure a new helicopter, associated training system and support elements that leverage fielded, non-developmental technologies to recapitalize the HH-60G fleet.						
FY 2014 Accomplishments: Awarded CRH contract. Procured 4 EMD aircraft and associated training system and product support. Conducted developmental work on CRH aircraft, training systems and associated product support. Performed management services such as studies and analyses, miscellaneous program office support, travel, office supplies, training courses and service contracts.						
FY 2015 Plans:						

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
N/A				
FY 2016 Plans: Conduct development work on CRH aircraft, training systems and associated product support. Conduct required testing. Management services including studies and analyses, miscellaneous program office support, travel, office supplies, training courses and service contracts. Conduct Aircraft Preliminary Design Review.				
Title: Combat Rescue Helicopter Test and Evaluation Description: Test and evaluation of the Combat Rescue Helicopter will be conducted including the following types of test activities: Developmental Test and Evaluation planning, Operational Test and Evaluation planning, Live Fire Test and Evaluation, and other test planning and organizational support.		2.530	-	0.282
FY 2014 Accomplishments: Conducted test and evaluation of the Combat Rescue Helicopter including the following types of test activities: Developmental Test and Evaluation planning, Operational Test and Evaluation planning, Live Fire Test and Evaluation, and other test planning and organizational support.				
FY 2015 Plans: N/A				
FY 2016 Plans: Test and evaluation of the Combat Rescue Helicopter will be conducted including the following types of test activities: Developmental Test and Evaluation planning, Operational Test and Evaluation planning, Live Fire Test and Evaluation, and other test planning and organizational support.				
Accomplishments/Planned Programs Subtotals		333.558	-	156.085
		FY 2014	FY 2015	
Congressional Add: Combat Rescue Helicopter FY 2014 Accomplishments: N/A FY 2015 Plans: Conduct development work on CRH aircraft, training systems and associated product support. Conduct required testing. Management services including studies and analyses, miscellaneous program office support, travel, office supplies, training courses and service contracts. Conduct Aircraft Systems Requirement Review and Training Systems Requirements Review.		-	100.000	
Congressional Adds Subtotals		-	100.000	

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D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF:BA 04:Line Item #10HHX0: <i>Combat Rescue Helicopter</i>	-	-	-	-	-	-	-	89.605	627.811	6,991.238	7,708.654
Remarks											
E. Acquisition Strategy											
Procure a new helicopter and associated training systems, and support elements that leverage fielded non-developmental technologies to recapitalize the HH-60G fleet.											
The CRH development effort will procure a total of nine developmental test aircraft and other necessary ground and flight assets, to be utilized for both DT and IOT&E.											
The exercised portion of the CRH contract also includes development of the complete CRH training system to include CRH Weapon System Trainer (WST), Operational Flight Trainer (OFT), Airframe Systems Trainer (AST), other maintenance training devices, as well as Type 1 training and courseware required to perform aircrew and maintenance training. There is a single prime contractor delivering the aircraft, associated training systems and support elements under a single contract.											
Other efforts include, but are not limited to, development of a systems integration laboratory and an avionics integration support facility, as well as procurement of data rights and licenses, spares, initiating System Demonstration Test Article (SDTA) development, and product support for the Engineering, Manufacturing, and Development effort.											
The contract type for this effort is Fixed Price Incentive Firm through Low Rate Initial Production.											
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.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force												Date: February 2015			
Appropriation/Budget Activity 3600 / 5						R-1 Program Element (Number/Name) PE 0605229F / CSAR HH-60 Recapitalization				Project (Number/Name) 654364 / Combat Rescue Helicopter					
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CRH aircraft development, integration, test articles, trainers, support and contractor test	C/FPIF	Sikorsky Aircraft Corporation : Stratford, CT	30.343	325.434	Jun 2014	91.456	Feb 2015	147.616	Dec 2015	-		147.616	1,367.907	1,962.756	1,501.557
Subtotal			30.343	325.434		91.456		147.616		-		147.616	1,367.907	1,962.756	1,501.557
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-		-	-	-	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CRH planning and testing to support developmental and operational test, live fire test and other weapon system testing and support	Various	Various : Various,	0.351	2.530	May 2014	-		0.282	Dec 2015	-		0.282	78.884	82.047	-
Subtotal			0.351	2.530		-		0.282		-		0.282	78.884	82.047	-
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CRH A&AS Support	Various	Various : Various,	2.402	2.269	Apr 2014	4.962	Jan 2015	5.046	Apr 2016	-		5.046	15.556	30.235	-
CRH Other PMA	Various	Various : Various,	10.804	3.325		3.582		3.141		-		3.141	10.000	30.852	-
Subtotal			13.206	5.594		8.544		8.187		-		8.187	25.556	61.087	-

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	Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals	43.900	333.558		100.000		156.085		-		156.085	1,472.347	2,105.890	-	
Remarks														

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force			Date: February 2015		
Appropriation/Budget Activity 3600 / 5			R-1 Program Element (Number/Name) PE 0605229F / CSAR HH-60 Recapitalization		
			Project (Number/Name) 654364 / Combat Rescue Helicopter		

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	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
Milestone B																												
CRH EMD Development																												
Aircraft System Requirements Review																												
Aircraft Preliminary Design Review																												
Aircraft Critical Design Review																												
CRH Training System EMD Development																												
Training Systems System Requirements Review																												
Training Systems Preliminary Design Review																												
Training Systems Critical Design Review																												
CRH Test and Evaluation																												
Developmental Test and Evaluation																												
Milestone C																												
Required Assets Available for Initial Operational Capability																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force			Date: February 2015
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0605229F / CSAR HH-60 Recapitalization	Project (Number/Name) 654364 / Combat Rescue Helicopter	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Milestone B	3	2014	3	2014
CRH EMD Development	3	2014	3	2020
Aircraft System Requirements Review	3	2015	3	2015
Aircraft Preliminary Design Review	3	2016	3	2016
Aircraft Critical Design Review	3	2017	3	2017
CRH Training System EMD Development	3	2014	3	2020
Training Systems System Requirements Review	3	2015	3	2015
Training Systems Preliminary Design Review	1	2017	1	2017
Training Systems Critical Design Review	4	2017	4	2017
CRH Test and Evaluation	3	2014	4	2020
Developmental Test and Evaluation	4	2018	4	2020
Milestone C	1	2020	1	2020
Required Assets Available for Initial Operational Capability	4	2020	4	2020