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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 0605278F I HC/MC-130 Recap RDT&E							
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	84.777	2.611	4.497	-	-	-	-	-	-	-	-	91.885
655249: HC-130Recap	84.777	2.611	4.497	-	-	-	-	-	-	-	-	91.885
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: 257												
Note In 2016, PE 0605278F, HC/MC-130 Recap RDT&E, Project 655249, HC-130 Recap, HC/MC-130 Recap BA5 efforts were transferred to PE 0605278F,HC/MC-130 Recap, RDT&E Project Number 675006, HC/MC-130 Recap as the program achieved full rate production.												
A. Mission Description and Budget Item Justification HC/MC-130 Recapitalization will replace and augment the aging USAF fleets of combat rescue HC-130P/N and special operations MC-130E/P aircraft which are experiencing airworthiness, maintainability and operational limitations. The HC/MC-130 Recap Capabilities Production Document (CPD) defines a common baseline configuration for the weapon system and a FY 2012 Initial Operational Capability. The Joint Requirements Oversight Council (JROC) validated the CPD in Aug 2009. This program will develop and integrate changes from discrepancies found during EMD flight test, operational use, and common C-130J block upgrades during HC/MC production. The C-130J program (PE 0401132F) developed Blocks 7.0 and 8.1 separately but all other platforms (including HC/MC) will have combined Block 7.0/8.1 trial kit install and modification programs and will be known simply as Block 8.1. The internationally developed Block 8.1 program addresses mandated Communication, Navigation, and Surveillance/Air Traffic Management (CNS/ATM) requirements. It also incorporates capabilities such as Link 16, a new Flight Managment System (FMS), Civil GPS Navigation, Identification Friend or FOE (IFF) transponder Mode-5, Civil Data-link, and Automatic Dependent Surveillance-Broadcast (ADS-B). The HC/MC Block 8.1 RDT&E effort integrates Block 8.1 into an HC-130J and a MC-130J via a trial kit install effort followed by a Development and Operational test 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. Note: Beginning in FY16 this program is being reported in BA7, project # 655249.												

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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		2.611	7.497	24.179	-	24.179
Current President's Budget		2.611	4.497	-	-	-
Total Adjustments		-	-3.000	-24.179	-	-24.179
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-3.000			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-	-			
• Other Adjustments		-	-	-24.179	-	-24.179
Change Summary Explanation						
FY15: Congressional Reduction in the FY15 budget for forward financing.						
FY16: Funding moved to BA07.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2014	FY 2015	FY 2016
Title: Test and Evaluation				0.510	0.600	-
Description: Test and evaluation planning, conduct, and support for developmental and operational testing.						
FY 2014 Accomplishments:						
Funding provided to support test for Block 6.5 follow on software build.						
FY 2015 Plans:						
Funding provided to support developmental and operational testing.						
FY 2016 Plans:						
Funding moved to BA 7						
Title: Continuous Improvement Program				2.101	1.297	-
Description: Software-only updated to address discrepancies identified during development or operational test and evaluation. These updates will be incorporated in both production and fielded aircraft.						
FY 2014 Accomplishments:						

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C. Accomplishments/Planned Programs (\$ in Millions)										FY 2014	FY 2015	FY 2016
Funding provided to add system and software modifications to the aircraft configurations as identified as deficiency reports by using command such as defensive systems, displays, lighting, airdrop/approaches, ICS, EO/IR, and radar.												
FY 2015 Plans: Funding provided to add system and software modifications to the aircraft configurations as identified as deficiency reports by using command.												
FY 2016 Plans: Funding moved to BA 7												
Title: Block 8.1 Description: Combined software/hardware upgrade for Block 8.1. Additional efforts include: Link 16, a new Flight Management System (FMS), Civil Global Positioning System (GPS) Navigation, a Special Mission Processor Interface (SMP-I), Identification Friend or Foe (IFF) Mode 5, Civil Data Link, and Automatic Dependent Surveillance-Broadcast (ADS-B). FY 2014 Accomplishments: N/A FY 2015 Plans: HC/MC-130J delta Block 8.1 development will begin. FY 2016 Plans: Funding moved to BA 7										-	2.600	-
Accomplishments/Planned Programs Subtotals										2.611	4.497	-
D. Other Program Funding Summary (\$ in Millions)												
Line Item	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	
• P-59: APAF HC/ MC-130J Block 8.1	-	-	-	-	-	-	-	32.209	-	293.229	325.438	
• P-6,7: BA02:APAF PE0207224F, HC-130 Recap	210.121	382.024	493.934	-	493.934	320.407	10.550	-	103.663	648.384	2,115.082	
• P-8, 9: BA02: APAF PE0207230F, MC-130 Recap	453.434	372.971	888.472	-	888.472	603.246	483.563	611.173	353.420	2,524.383	6,290.662	
Remarks												

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<u>E. Acquisition Strategy</u> <p>The full rate production decision for the HC/MC-130J RECAP was 4 Oct 13. Lockheed Martin is the prime contractor for the Research & Development work in support of the HC/MC-130J Recap program. Work done to date on the HC/MC-130 Recap program has been on a Cost Plus Award Fee (CPAF) type contract.</p>		
<u>F. Performance Metrics</u> <p>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.</p>		

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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 0605278F / HC/MC-130 Recap RDT&E				Project (Number/Name) 655249 / HC-130Recap					
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
EMD	SS/CPAF	Lockheed Martin : Marietta, GA	45.670	-		-		-		-		-	-	45.670	TBD
Continuous Improvement Program (CIP)	SS/CPFF	Lockheed Martin : Marietta, GA	19.314	2.101	Aug 2015	1.297	May 2015	-		-		-	-	22.712	TBD
Block 8.1	SS/CPIF	Lockheed Martin : Marietta, GA	4.716	-		2.600	Sep 2015	-		-		-	61.905	69.221	TBD
Subtotal			69.700	2.101		3.897		-		-		-	61.905	137.603	-
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
Other	Various	AFLCMC/WIS : WPAFB, OH	4.931	-		-		-		-		-	-	4.931	-
Subtotal			4.931	-		-		-		-		-	-	4.931	-
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
Test and Evaluation Support	C/FFP	46th Test Wing : EAFB, FL	10.146	0.510	Feb 2015	0.600	May 2015	-		-		-	-	11.256	TBD
Subtotal			10.146	0.510		0.600		-		-		-	-	11.256	-
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
Subtotal			-	-		-		-		-		-	-	-	-

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Appropriation/Budget Activity 3600 / 5					R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E				Project (Number/Name) 655249 / HC-130Recap				
	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	84.777	2.611		4.497		-		-		-	61.905	153.790	-
Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force	Date: February 2015
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Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0605278F / HC/MC-130 Recap RDT&E	Project (Number/Name) 655249 / HC-130Recap
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	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
Software Development Test and Evaluation	[REDACTED]																											
HC/MC-130 Recap Block 8.1 Development	[REDACTED]																											
HC/MC-130 Recap Block 8.1 First Article Installation and Developmental Test	[REDACTED]																											
Continuous Improvement Program (CIP)	[REDACTED]																											

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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 0605278F / <i>HC/MC-130 Recap RDT&E</i>	Project (Number/Name) 655249 / <i>HC-130Recap</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Software Development Test and Evaluation	2	2014	4	2015
HC/MC-130 Recap Block 8.1 Development	4	2015	4	2016
HC/MC-130 Recap Block 8.1 First Article Installation and Developmental Test	4	2016	4	2018
Continuous Improvement Program (CIP)	1	2014	4	2019