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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force	DATE: April 2013
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APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0605278F: <i>HC/MC-130 Recap RDT&E</i>
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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	65.961	21.554	19.039	6.242	-	6.242	20.548	18.383	10.215	10.399	0.000	172.341
655249: <i>HC-130Recap</i>	65.961	21.554	19.039	6.242	-	6.242	20.548	18.383	10.215	10.399	0.000	172.341
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		

MDAP/MAIS Code(s): 257

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

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

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.

FY14 HC/MC-130J funding continues follow on systems engineering and development efforts for the basic aircraft.

FY14 HC/MC-130J program RDT&E funding provides for Trial Kit Install (TKI) of the C-130J Block 7.0/8.1 into the HC/MC-130J. The C-130J Block 7.0 program is in PE 0401132F. Block 7.0 primarily addresses mandated Communication, Navigation, and Surveillance/Air Traffic Management (CNS/ATM) requirements. Block 7.0 is an international collaboration as the common core development costs are being shared by each participating nation (United Kingdom, Australia, Italy, Canada, Denmark, Norway, and the United States). Block 7.0 requirements include: a) Communication, Navigation & Identification (CNI) upgrades; b) Dual Multi-Mode Receivers (MMR) with a Civil Global Positioning System; c) CNI special processor upgrade; d) Tactical datalink; and e) Mission computer upgrades. Block 8.1 completes all known mandated Communication, Navigation, and Surveillance/Air Traffic Management (CNS/ATM) requirements. Block 8.1 requirements include: a.) TEMPEST Compliance; b.) Identification Friend or FOE (IFF) transponder Mode-5; c.) Civil Data-link; d.) Automatic Dependent Surveillance-Broadcast (ADS-B); e.) Mission Computer (MC) Upgrades.

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 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	
Previous President's Budget	22.071	19.039	16.054	-	16.054	
Current President's Budget	21.554	19.039	6.242	-	6.242	
Total Adjustments	-0.517	0.000	-9.812	-	-9.812	
• 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	-0.517	0.000				
• Other Adjustments	0.000	0.000	-9.812	-	-9.812	
Change Summary Explanation FY14 \$9.812M reduction due to efficiencies gained in combining Block 7.0 and 8.1						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2012	FY 2013	FY 2014
Title: Test and Evaluation				0.596	0.000	2.367
Description: Test and evaluation planning, conduct, and support for developmental and operational testing.						
FY 2012 Accomplishments: Funding provided for OT&E efforts in support of HC/MC-130J, verifying operational effectiveness and suitability.						
FY 2014 Plans: Funding provided to support test for Block 6.5 follow on software build.						
Title: Block 6.5 Follow On				11.311	9.896	0.000
Description: Block 6.5 Follow On: Adds capabilities such as Hi-Speed Airdrop Qualification, Mission Planning Software, additional ALE-47 buckets, Night Vision Goggle enhancements and incorporation of loadmaster scanner restraint seat design.						
FY 2012 Accomplishments: Block 6.5 follow on effort began.						
FY 2013 Plans: Block 6.5 follow on effort will conclude.						
Title: Block 7.0/8.1				4.716	0.000	1.720

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
Description: Combined software/hardware upgrade for Block 7.0/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 2012 Accomplishments: Initial Block 7.0 Planning Effort FY 2014 Plans: Block 7.0/8.1 effort will begin.				
Title: Other Description: Funding provides for unique costs to the government such as contractor test support. FY 2012 Accomplishments: Funding provided for unique costs to the government such as contractor test support. FY 2013 Plans: Funding provides for unique costs to the government such as contractor test support. FY 2014 Plans: Funding provides for unique costs to the government such as contractor test support.		0.621	1.143	2.155
Title: Aero-Model Data Collection Description: Collection of flight generated aero data points for incorporation into weapon system trainer (WST) simulations models. FY 2013 Plans: Collection of flight generated aero data points for incorporation into weapon system trainer (WST) simulations models.		0.000	8.000	0.000
Title: Fact of Life Changes Description: Fact of life change FY 2012 Accomplishments: Dec 12 Below Threshold Reprogramming		4.310	0.000	0.000
Accomplishments/Planned Programs Subtotals		21.554	19.039	6.242

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D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u> <u>Base</u>	<u>FY 2014</u> <u>OCO</u>	<u>FY 2014</u> <u>Total</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APAF: BA05: Line Item # HCMC00: <i>HC/MC-130</i> <i>Modifications</i>	0.000	20.400	8.300		8.300	5.918	2.280	2.070	2.137	Continuing	Continuing
Remarks											
E. Acquisition Strategy											
The Milestone C decision for the HC/MC-130J Recap program was approved in April 2010. 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.											
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 2014 Air Force												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY						R-1 ITEM NOMENCLATURE				PROJECT					
3600: Research, Development, Test & Evaluation, Air Force						PE 0605278F: HC/MC-130 Recap RDT&E				655249: HC-130Recap					
BA 5: System Development & Demonstration (SDD)															
Product Development (\$ in Millions)				FY 2012		FY 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 Complete	Total Cost	Target Value of Contract
Systems Engineering and Integration	SS/CPAF	Lockheed Martin:Marietta, GA	56.411	0.000		0.000		0.000		-		0.000	0.000	56.411	TBD
Block 6.5 Follow-on	SS/CPAF	Lockheed Martin:Marietta, GA	0.000	11.311	Jul 2013	9.896	Jul 2013	0.000		-		0.000	0.000	21.207	TBD
Block 7.0 / 8.1	SS/CPAF	Lockheed Martin:Marietta, GA	0.000	4.716	Mar 2013	0.000		1.720	Apr 2013	-		1.720	59.545	65.981	TBD
Aero-Model Data Collection	SS/CPAF	Lockheed Martin:Marietta, GA	0.000	0.000		8.000	Apr 2013	0.000		-		0.000	0.000	8.000	TBD
Subtotal			56.411	16.027		17.896		1.720		0.000		1.720	59.545	151.599	
Support (\$ in Millions)				FY 2012		FY 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 Complete	Total Cost	Target Value of Contract
Other	Various	ASC/WIS:WPAFB, OH	0.000	4.931	Apr 2012	1.143	Jan 2013	2.155	Jan 2014	-		2.155	0.000	8.229	TBD
Subtotal			0.000	4.931		1.143		2.155		0.000		2.155	0.000	8.229	
Test and Evaluation (\$ in Millions)				FY 2012		FY 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 Complete	Total Cost	Target Value of Contract
Test and Evaluation Support	C/FFP	46th Test Wing:EAFB, FL	9.550	0.596	Mar 2012	0.000		2.367	Feb 2014	-		2.367	0.000	12.513	TBD
Subtotal			9.550	0.596		0.000		2.367		0.000		2.367	0.000	12.513	
Management Services (\$ in Millions)				FY 2012		FY 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 Complete	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

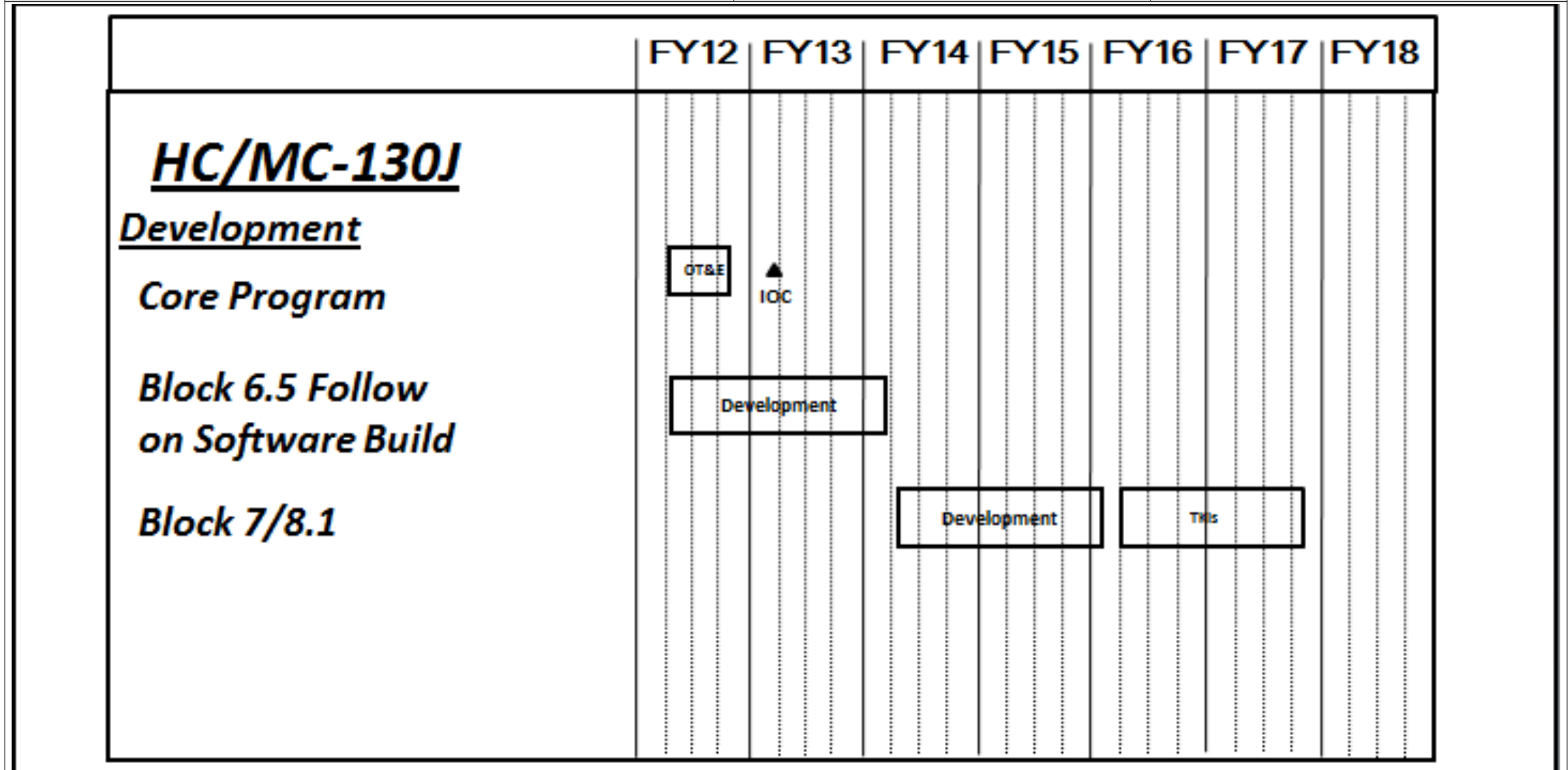
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		All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals		65.961	21.554		19.039		6.242		0.000		6.242	59.545	172.341	

Remarks

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

Events	Start		End	
	Quarter	Year	Quarter	Year
HC/MC-130 Core Program OT&E	2	2012	4	2012
Initial Operational Capability (IOC)	1	2013	3	2013
Block 6.5 Follow-on Software Build	2	2012	4	2013
HC/MC-130 Recap Block 7.0/8.1 Trial Kit Install (TKI) Development	2	2014	1	2016
HC/MC-130 Recap Block 7.0/8.1 TKIs	2	2016	1	2018