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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force	DATE: February 2012
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>Development & Demonstration (SDD)</i>				PE 0605278F: CRT-X							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	15.008	22.071	19.039	-	19.039	16.054	14.749	10.206	10.341	Continuing	Continuing
655249: <i>HC-130Recap</i>	15.008	22.071	19.039	-	19.039	16.054	14.749	10.206	10.341	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

Note

The Cost to Complete and Total Cost for MDAP projects in this program element are documented in the R3. The Cost to Complete and Total Cost on the R2 are entered as "Continuing" and not reflective of the total cost for MDAP projects since the R2 does not account for prior years funding.

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.

FY13 HC/MC-130J funding continues follow on systems engineering and development efforts for the basic aircraft.

FY13 HC/MC-130J program RDT&E funding also provides for Trial Kit Install (TKI) of the C-130J Block 7.0 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.

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 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget		15.536	27.071	19.003	-	19.003
Current President's Budget		15.008	22.071	19.039	-	19.039
Total Adjustments		-0.528	-5.000	0.036	-	0.036
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-5.000			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-0.449	-			
• Other Adjustments		-0.079	-	0.036	-	0.036
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2011	FY 2012	FY 2013
Title: Systems Engineering				7.108	6.100	9.700
Description: Systems Engineering, integration and test of mature, fielded capabilities						
FY 2011 Accomplishments: Concluding integration of matured items such as Electro-Optical-Infrared Imaging (EO/IR), Universal Aerial Refueling Receptacle Slipway Installation (UARRSI), Enhanced Cargo Handling System (ECHS), Enhanced Service Life (ESL) Wing, and a Combat Systems Officer (CSO) station on to a C-130J.						
FY 2012 Plans: Funding provides for systems engineering, test of mature systems, and program management in support of HC/MC-130J Block 7.0 efforts. Funding also provides for follow on development efforts including true altitude display and altitude calibration.						
FY 2013 Plans: Funding provides for systems engineering, test of mature systems, and program management in support of HC/MC-130J Block 7.0 efforts. Funding also provides for follow on development efforts including true altitude display and altitude calibration.						
Title: Test and Evaluation				3.737	2.700	1.900
Description: Test and evaluation planning, conduct, and support for developmental and operational testing.						
FY 2011 Accomplishments: Testing will move into the Developmental Test and Evaluation (DT&E) phase concluding with a DT&E report.						
FY 2012 Plans:						

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2011	FY 2012	FY 2013
Funding provides for OT&E efforts in support of HC/MC-130J, verifying operational effectiveness and suitability. Funds also support Block 7.0 TKI developmental test. FY 2013 Plans: Funding provided to support follow-on test for Block 7.0 TKI.				
Title: Software Integration Description: Funding provides for the integration of C-130J Block 7.0 common block TKI and software into the Block 6.6 configuration resulting in a Block 7.0 configuration on both the HC-130J and MC-130J aircraft variant. FY 2011 Accomplishments: Funding provides for the integration of C-130J Block 7.0 common block TKI and software into the Block 6.6 configuration resulting in a Block 7.0 configuration on both the HC-130J and MC-130J aircraft variant. FY 2012 Plans: Funding provides for the integration of C-130J Block 7.0 common block TKI and software into the Block 6.6 configuration resulting in a Block 7.0 configuration on both the HC-130J and MC-130J aircraft variant. FY 2013 Plans: Funding provides for the integration of C-130J Block 7.0 common block TKI and software into the Block 6.6 configuration resulting in a Block 7.0 configuration on both the HC-130J and MC-130J aircraft variant.		3.863	11.024	5.800
Title: Other Description: Funding provides for unique costs to the government such as contractor test support. FY 2011 Accomplishments: Funding provides for unique costs to the government such as contractor test support. FY 2012 Plans: Funding provides 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.		0.300	2.247	1.639
Accomplishments/Planned Programs Subtotals		15.008	22.071	19.039

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

<u>Line Item</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u> <u>Base</u>	<u>FY 2013</u> <u>OCO</u>	<u>FY 2013</u> <u>Total</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• PE 0207224F, HC/MC-130 Modificat...: <i>Common Configuration</i>	0.000	0.000	20.400	0.000	20.400	8.300	5.900	2.800	2.000	Continuing	Continuing

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-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Air Force			DATE: February 2012
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
HC/MC-130 Recap Systems Integration & Development	1	2011	4	2011
HC/MC-130 Recap Flight test	1	2011	4	2012
Initial Operational Capability (IOC)	1	2013	1	2013
HC/MC-130 Recap Block 7.0 TKI Development	3	2011	4	2012
HC/MC-130 Recap Block 7.0 TKI	1	2013	2	2013
HC/MC-130 Recap Block 8.1 Phase 0	3	2014	1	2015
HC/MC-130 Recap Block 8.1 Development	3	2015	3	2016
HC/MC-130 Recap Block 8.1 TKI	4	2016	2	2017