

UNCLASSIFIED

PE NUMBER: 0605278F
 PE TITLE: HC/MC-130 Recap

Exhibit R-2, RDT&E Budget Item Justification	DATE May 2009
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BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0605278F HC/MC-130 Recap
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Cost (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	11.660	20.582	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
5249 HC/MC-130 Recap	0.000	11.660	20.582	0.000	0.000	0.000	0.000	0.000	Continuing	TBD

(U) 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 Development Document (CDD) defines a common baseline configuration for the weapon system and a FY 2012 Initial Operational Capability. The JROC validated the CDD in Nov 2007.

FY10 HC/MC-130J program RDT&E funding provides for:

- 1) Systems engineering, integration and test of mature, fielded capabilities (e.g., electro-optical-infrared imaging, Universal Aerial Refueling Receptacle Slipway Installation (UARRSI), Enhanced Cargo Handling System (ECHS) and Enhanced Service Life (ESL) Wing, and a Combat Systems Officer crew station) with medium-transport aircraft for the HC/MC-130 Recap aircraft.
- 2) C-130J Block 7.0 HC/MC-130J trial kit install. The C-130J Block 7.0 program is in PE41132F. It is the third phase of a four-block upgrade initiative which primarily addresses mandated Communication, Navigation, and Surveillance/Air Traffic Management (CNS/ATM) requirements. Block 7.0 is the first Block Upgrade initiative that is a true International partnership, as the development costs are being shared by each participating nation. Block 7.0 requirements include:
 - a.) Communication, Navigation & Identification (CNI) upgrades
 - b.) Dual Multi-Mode Receivers (MMR) with TSO C-129A Civil Global Positioning System (GPS)
 - c.) CNI Special Processor upgrade
 - d.) Tactical Datalink (TDL)
 - e.) Mission Computer (MC) upgrades

The FY10 MC-130J program also has funds in PE 1160429BB for USSOCOM to develop and procure SOF-peculiar modifications to the common-configured aircraft procured by the USAF.

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BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0605278F HC/MC-130 Recap

(U) **B. Program Change Summary (\$ in Millions)**

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Previous President's Budget	0.000	11.692	
(U) Current PBR/President's Budget	0.000	11.660	20.582
(U) Total Adjustments	0.000	-0.032	
(U) Congressional Program Reductions			
Congressional Rescissions		-0.032	
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer			
(U) <u>Significant Program Changes:</u>			
Funds were included in PE 0604261F and were transferred to PE 0605278F in FY09.			

Exhibit R-2a, RDT&E Project Justification

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BUDGET ACTIVITY 05 System Development and Demonstration (SDD)				PE NUMBER AND TITLE 0605278F HC/MC-130 Recap				PROJECT NUMBER AND TITLE 5249 HC/MC-130 Recap		
Cost (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
5249 HC/MC-130 Recap	0.000	11.660	20.582	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) 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 Development Document (CDD) defines a common baseline configuration for the weapon system and a FY 2012 Initial Operational Capability. The JROC validated the CDD in Nov 2007.

FY10 HC/MC-130J program RDT&E funding provides for:

- 1) Systems engineering, integration and test of mature, fielded capabilities (e.g., electro-optical-infrared imaging, Universal Aerial Refueling Receptacle Slipway Installation (UARRSI), Enhanced Cargo Handling System (ECHS) and Enhanced Service Life (ESL) Wing, and a Combat Systems Officer crew station) with medium-transport aircraft for the HC/MC-130 Recap aircraft.
- 2) C-130J Block 7.0 HC/MC-130J trial kit install. The C-130J Block 7.0 program is in PE41132F. It is the third phase of a four-block upgrade initiative which primarily addresses mandated Communication, Navigation, and Surveillance/Air Traffic Management (CNS/ATM) requirements. Block 7.0 is the first Block Upgrade initiative that is a true International partnership, as the development costs are being shared by each participating nation. Block 7.0 requirements include:
 - a.) Communication, Navigation & Identification (CNI) upgrades
 - b.) Dual Multi-Mode Receivers (MMR) with TSO C-129A Civil Global Positioning System (GPS)
 - c.) CNI Special Processor upgrade
 - d.) Tactical Datalink (TDL)
 - e.) Mission Computer (MC) upgrades

The FY10 MC-130J program also has funds in PE 1160429BB for USSOCOM to develop and procure SOF-peculiar modifications to the common-configured aircraft procured by the USAF.

(U) B. Accomplishments/Planned Program (\$ in Millions)

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Acquisition Planning, Milestone Preparation, RFP development and Source Selection Activities		0.000	0.000
(U) Systems Engineering and Integration		11.568	17.282
(U) Block 7.0 TKI			2.000
(U) Test and Evaluation Planning, Conduct and Support		0.092	1.300
(U) Total Cost	0.000	11.660	20.582

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(U) **C. Other Program Funding Summary (\$ in Millions)**

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Complete</u>							
(U) HC Recap RDT&E PE 0604261F (Proj 5249)	9.937	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.937
(U) HC/MC-130 Recap APAF (Including Advance Procurement)	75.221	538.006	1016.591							TBD

(U) **D. Acquisition Strategy**

AF plans to procure modified KC-130Js in FY 2009 and FY 2010 to meet the warfighter's immediate requirement and conduct a business case analysis to determine the acquisition strategy to procure the remaining aircraft.

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Exhibit R-3, RDT&E Project Cost Analysis

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05 System Development and Demonstration (SDD)				0605278F HC/MC-130 Recap					5249 HC/MC-130 Recap			
(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY 2008 Cost</u>	<u>FY 2008 Cost</u>	<u>FY 2008 Award Date</u>	<u>FY 2009 Cost</u>	<u>FY 2009 Award Date</u>	<u>FY 2010 Cost</u>	<u>FY 2010 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u> Systems Engineering and Integration	CPFF	Lockheed Martin Aeronautics, Marietta GA				11.568	Nov-08	17.282	Nov-09		28.850	TBD
Block 7.0 TKI	CPFF	Lockheed Martin Aeronautics, Marietta GA						2.000	Nov-09		2.000	TBD
Subtotal Product Development			0.000	0.000		11.568		19.282		0.000	30.850	TBD
Remarks:												
(U) <u>Support</u>											0.000	
Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Test & Evaluation</u>												
Test and Evaluation Conduct	TBD	TBD				0.000	Nov-08				0.000	TBD
Test and Evaluation Support	TBD	TBD				0.092	Nov-08	1.300			1.392	TBD
Subtotal Test & Evaluation			0.000	0.000		0.092		1.300		0.000	1.392	TBD
Remarks:												
(U) <u>Management</u>												
SPO Support	TBD	TBD				0.000		0.000			0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) Total Cost			0.000	0.000		11.660		20.582		0.000	32.242	TBD

Exhibit R-4, RDT&E Schedule Profile

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BUDGET ACTIVITY
05 System Development and Demonstration (SDD)

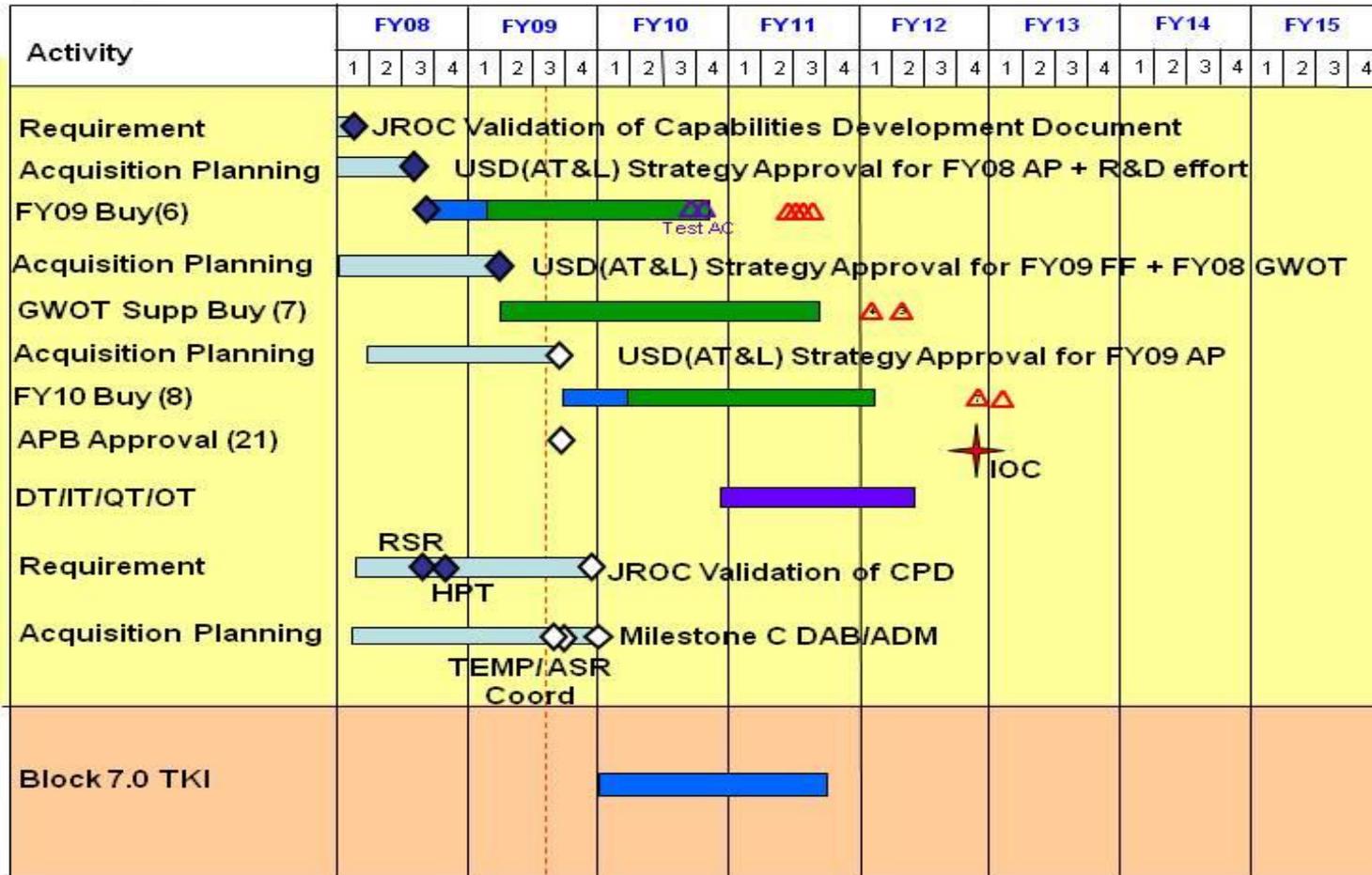
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For Official Use Only

HC/MC-130 Recap Program Schedule



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Exhibit R-4 (PE 0605278F)

Exhibit R-4a, RDT&E Schedule Detail

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(U) Schedule Profile

FY 2008

FY 2009

FY 2010

(U) Systems Engineering and Integration

3-4Q

1-4Q

1-4Q

(U) Block 7.0 TKI

1-4Q

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