

UNCLASSIFIED

PE NUMBER: 0604261F
 PE TITLE: Personnel Recovery Systems

Exhibit R-2, RDT&E Budget Item Justification	DATE May 2009
---	-------------------------

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604261F Personnel Recovery Systems
--	--

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	60.344	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	207.626
5213 CSAR-X	50.407	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	197.689
5249 HC-130Recap	9.937	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.937

In FY 2007, Project Number 5213, CSAR-X, RDT&E efforts were transferred from PE 0207224F, Combat Rescue and Recovery, CSAR-X, to more accurately reflect funding within the CSAR-X program.

The FY 2009 PB separates the CSAR-X and HC-130Recap projects into distinct PEs (0605277F and 0605278F, respectively) to provide more budget clarity.

Procurement funding for CSAR-X remains in PE 0207224F and is reported in P-Docs.

Procurement funding for HC/MC-130 Recap is included in Air Combat Command PE 0207224F and Air Force Special Operations Command PE 0207230F, as reported in P-Docs.

(U) A. Mission Description and Budget Item Justification

Program Element 0604261F includes development projects 5213, 5249, and for the Combat Search and Rescue Replacement Vehicle (CSAR-X), HC-130 Recapitalization (Recap), respectively. The FY 2008 PB, PE 0604261F, Personnel Recovery Systems included funds for CSAR-X and HC-130 Recap projects. The FY 2009 PB separates the two projects into distinct PEs (0605277F and 0605278F, respectively) to provide more budget clarity. For more detailed information regarding these programs see the respective R-2a exhibits under the new PEs.

The primary mission of the Combat Search and Rescue Replacement Vehicle (CSAR-X) is to recover downed aircrew and isolated personnel from hostile or denied territory. Rescue forces may also conduct other missions inherent in their capabilities to conduct Personnel Recovery (PR), such as non-conventional assisted recovery, non-combatant evacuation operations, civil search and rescue, international aid, emergency medical evacuation, disaster/humanitarian relief, and insertion/extraction of combat forces.

The HC-130 Recapitalization (Recap) Program will augment and eventually replace the aging USAF fleet of Combat Rescue Tanker (CRT) aircraft which is experiencing airworthiness, maintainability, and operational limitations. The low density/high demand CRT fleet consists of several C-130 variants--37 aircraft in all--in Active Duty, Air Force Reserve, and Air National Guard squadrons.

Exhibit R-2, RDT&E Budget Item Justification

DATE

May 2009

BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0604261F Personnel Recovery Systems

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

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Previous President's Budget	290.059	0.000	
(U) Current PBR/President's Budget	104.289	0.000	
(U) Total Adjustments	-185.770	0.000	
(U) Congressional Program Reductions	-185.111		
Congressional Rescissions	-0.659		
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer			

(U) **Significant Program Changes:**

- CSAR-X: Based on contract award delays Congress rescinded \$92M of FY07 funding and reduced the FY08 President's Budget by \$185.7M. Additionally, the conferees directed that \$99M of the \$185M CSAR-X reduction be directed to maintaining and upgrading the HH-60G CSAR platform so that it may safely and effectively perform the mission until CSAR-X is operational.

- The FY 2009 PB separates the CSAR-X and HC-130Recap projects into distinct PEs (0605277F and 0605278F, respectively) to provide more budget clarity.

- CSAR-X program successfully completed a Block 0 Milestone B in November 2006. This budget reflects Milestone B Block 0 FY08 requirements.

- HC-130 Recap was a New Start in FY08 with funds transferred from terminated "HC-130 Conversion Program," PE 0207224F, BPAC 655249

Exhibit R-2a, RDT&E Project Justification

DATE
May 2009

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)				PE NUMBER AND TITLE 0604261F Personnel Recovery Systems			PROJECT NUMBER AND TITLE 5213 CSAR-X			
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
5213 CSAR-X	50.407	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	197.689
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

The FY 2008 President's Budget, PE 0604261F, Personnel Recovery Systems included funds for CSAR-X and HC/MC-130 Recap projects. The 2009 PB separates the two projects into distinct PEs (0605277 and 0605278, respectively) to provide more budget clarity.

The CSAR-X program is currently in source selection with an anticipated contract award date in 1st Quarter FY 09. Costs and schedules are offeror dependent. Budgets and procurement profile will be updated after contract award to reflect the cost and schedule within the approved Acquisition Program Baseline. The updated information will be reflected after completion of Source Selection.

(U) A. Mission Description and Budget Item Justification

The primary mission of the Combat Search and Rescue Replacement Vehicle (CSAR-X) is to recover downed aircrew and isolated personnel from hostile or denied territory. Rescue forces may also conduct other missions inherent in their capabilities to conduct Personnel Recovery (PR), such as non-conventional assisted recovery, non-combatant evacuation operations, civil search and rescue, international aid, emergency medical evacuation, disaster/humanitarian relief, and insertion/extraction of combat forces.

The CSAR-X will provide the USAF combat forces with a vertical take-off and landing aircraft that is deployable and capable of main base and austere location operations for worldwide Combat Search and Rescue (CSAR) and Joint PR missions. On-board weapons and defensive capabilities will permit the CSAR-X to operate in an increased threat environment. An in-flight refueling system will provide an airborne alert capability and extend its combat mission range. The aircraft will be self-supporting to the maximum extent practical. The CSAR-X will be capable of operating in all environmental regions of the globe, day or night, during adverse weather conditions, to include passing through Nuclear, Biological, and Chemical (NBC) environments.

Budget Justification: RDT&E funding includes, but is not limited to, the development of three Block 0 Test Vehicles, non-recurring engineering, software development, integration, testing and certification of the CSAR-X mission components required by the Capability Development Document (CDD), as well as simulator development for both aircrew and maintenance trainers.

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

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) SPO support to include, but not limited to the development of test and evaluation master plan, preparation of Block 10 Milestone (MS) A and Block 0 MS C documentation, and execution of SDD contract.	5.906		
(U) Studies and Analysis	1.393		
(U) Government Test & Evaluation	4.711		
(U) Development Support	0.000		
(U) Software	0.000		
(U) Simulator Development	0.000		

Exhibit R-2a, RDT&E Project Justification	DATE May 2009
--	-------------------------

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604261F Personnel Recovery Systems	PROJECT NUMBER AND TITLE 5213 CSAR-X
--	--	---

(U) <u>B. Accomplishments/Planned Program (\$ in Millions)</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Block 0 System Development and Demonstration (SDD) to include, but not limited to non-recurring engineering, test vehicle, software, simulator development, and data.	38.397		
(U) Block 10 Development to include, but not limited to non-recurring engineering, test vehicle, software, simulator development, and data.			
(U) Total Cost	50.407	0.000	0.000

(U) <u>C. Other Program Funding Summary (\$ in Millions)</u>		<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>Total Cost</u>							
(U) RDT&E, AF PE 0605277		232.232	89.775							Continuing	TBD

(U) D. Acquisition Strategy

The CSAR-X program will pursue an incremental development strategy composed of Block 0 and Block 10 increments, each with separate milestone decision points. Block 0 will include development and fielding of a new Combat Search and Rescue (CSAR) weapon system. Block 0 will correct HH-60G force-size shortfalls while improving current CSAR capabilities of range, payload, armament, and defensive systems. Block 10 will provide for the insertion of additional systems and improved technologies into the CSAR-X to meet all thresholds stated in the CDD.

Block 0 production deliveries is planned to begin in FY12. At the conclusion of Block 10 Operational Testing, the program will begin Block 10 aircraft production and the retrofitting of Block 0 aircraft to a Block 10 configuration. The program will procure and field 141 CSAR-X helicopters along with support equipment, spares, aircrew and maintenance trainers, and associated Type 1 training.

Block 10 development is planned to begin in FY10 after a successful Milestone A decision. Block 10 will develop two Test Vehicles to the Block 10 configuration allowing for design, integration, and testing of the Block 10 capabilities.

The program is currently in source selection and development schedules are offeror dependent.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis

DATE

May 2009

BUDGET ACTIVITY				PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE			
05 System Development and Demonstration (SDD)				0604261F Personnel Recovery Systems					5213 CSAR-X			
(U) Cost Categories (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>												
Studies & Analysis	Various	Various		1.393							1.393	
Block 0 SDD	CPIF/AF	TBD		38.397							38.397	
Test Vehicle	CPIF/AF	TBD		0.000							0.000	
Software	CPIF/AF	TBD		0.000							0.000	
Simulator Development	CPIF/AF	TBD		0.000							0.000	
Block 10 SDD	CPIF/AF	TBD		0.000							0.000	
Subtotal Product Development			0.000	39.790		0.000		0.000		0.000	39.790	0.000
Remarks:												
(U) <u>Support</u>												
Development Support	CPIF/AF	TBD		0.000							0.000	
Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Test & Evaluation</u>												
Gov't Test & Evaluation		46 TW, Eglin AFB, FL		4.711							4.711	
Contractor Test & Evaluation	CPIF/AF	TBD		0.000							0.000	
Subtotal Test & Evaluation			0.000	4.711		0.000		0.000		0.000	4.711	0.000
Remarks:												
(U) <u>Management</u>												
SPO Support				5.906							5.906	
Subtotal Management			0.000	5.906		0.000		0.000		0.000	5.906	0.000
Remarks:												
(U) Total Cost			0.000	50.407		0.000		0.000		0.000	50.407	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE

May 2009

BUDGET ACTIVITY
05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE
0604261F Personnel Recovery
Systems

PROJECT NUMBER AND TITLE
5213 CSAR-X

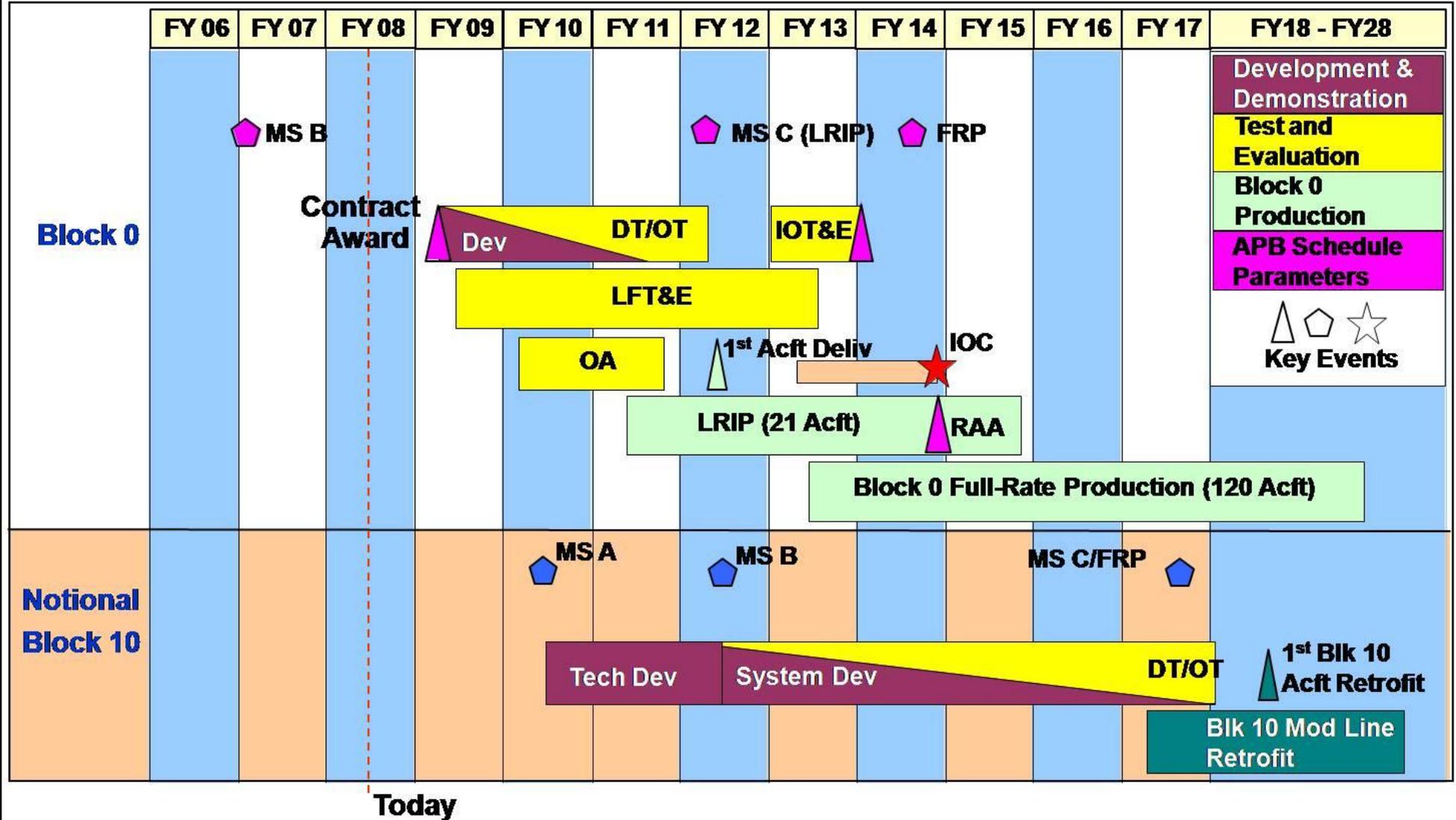


Exhibit R-4a, RDT&E Schedule Detail

DATE

May 2009

BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0604261F Personnel Recovery Systems

PROJECT NUMBER AND TITLE

5213 CSAR-X

(U) Schedule Profile

FY 2008

FY 2009

FY 2010

(U) Conduct CSAR-X Source Selection (Amendment 6)

1-4Q

(U) Block 0 Contract Award (Including Amendment 6)

1Q

Exhibit R-2a, RDT&E Project Justification

DATE
May 2009

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)					PE NUMBER AND TITLE 0604261F Personnel Recovery Systems			PROJECT NUMBER AND TITLE 5249 HC-130Recap		
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-130Recap	9.937	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.937
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**
 The FY 2008 President's Budget, PE 0604261F, Personnel Recovery Systems included funds for CSAR-X and HC/MC-130 Recap projects. The FY 2009 PB separates the two projects into distinct PEs (0605277F and 0605278F, respectively) to provide more budget clarity. HC/MC-130 Recap was a FY 2008 New Start.

(U) <u>B. Accomplishments/Planned Program (\$ in Millions)</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Acquisition Planning, Milestone Preparation, RFP development and Source Selection Activities	2.101		
(U) Systems Engineering and Integration	4.000		
(U) Test and Evaluation Planning, Conduct and Support	3.836		
(U) Total Cost	9.937	0.000	0.000

(U) <u>C. Other Program Funding Summary (\$ in Millions)</u>	<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/MC-130 Recap RDT&E PE 0605278F	0.000	11.692	10.054	4.015	2.504	2.500			Continuing	TBD
(U) HC/MC-130 Recap APAF (Including Advance Procurement)	75.221	587.677	734.688	671.980	608.478	588.465			Continuing	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.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis

DATE

May 2009

BUDGET ACTIVITY				PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE			
05 System Development and Demonstration (SDD)				0604261F Personnel Recovery Systems					5249 HC-130Recap			
(U) Cost Categories (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	TBD	TBD	4.000	Nov07				0.000			0.000	TBD
Subtotal Product Development			4.000	0.000		0.000		0.000		0.000	0.000	TBD
Remarks:												
(U) <u>Support</u>												
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	2.000	Mar08							0.000	TBD
Test and Evaluation Support	TBD	TBD	1.836	Mar08							0.000	TBD
Subtotal Test & Evaluation			3.836	0.000		0.000		0.000		0.000	0.000	TBD
Remarks:												
(U) <u>Management</u>												
SPO Support	TBD	TBD	2.101								2.101	TBD
Subtotal Management			2.101	0.000		0.000		0.000		0.000	2.101	TBD
Remarks:												
(U) Total Cost			9.937	0.000		0.000		0.000		0.000	2.101	TBD

Exhibit R-4, RDT&E Schedule Profile

DATE
May 2009

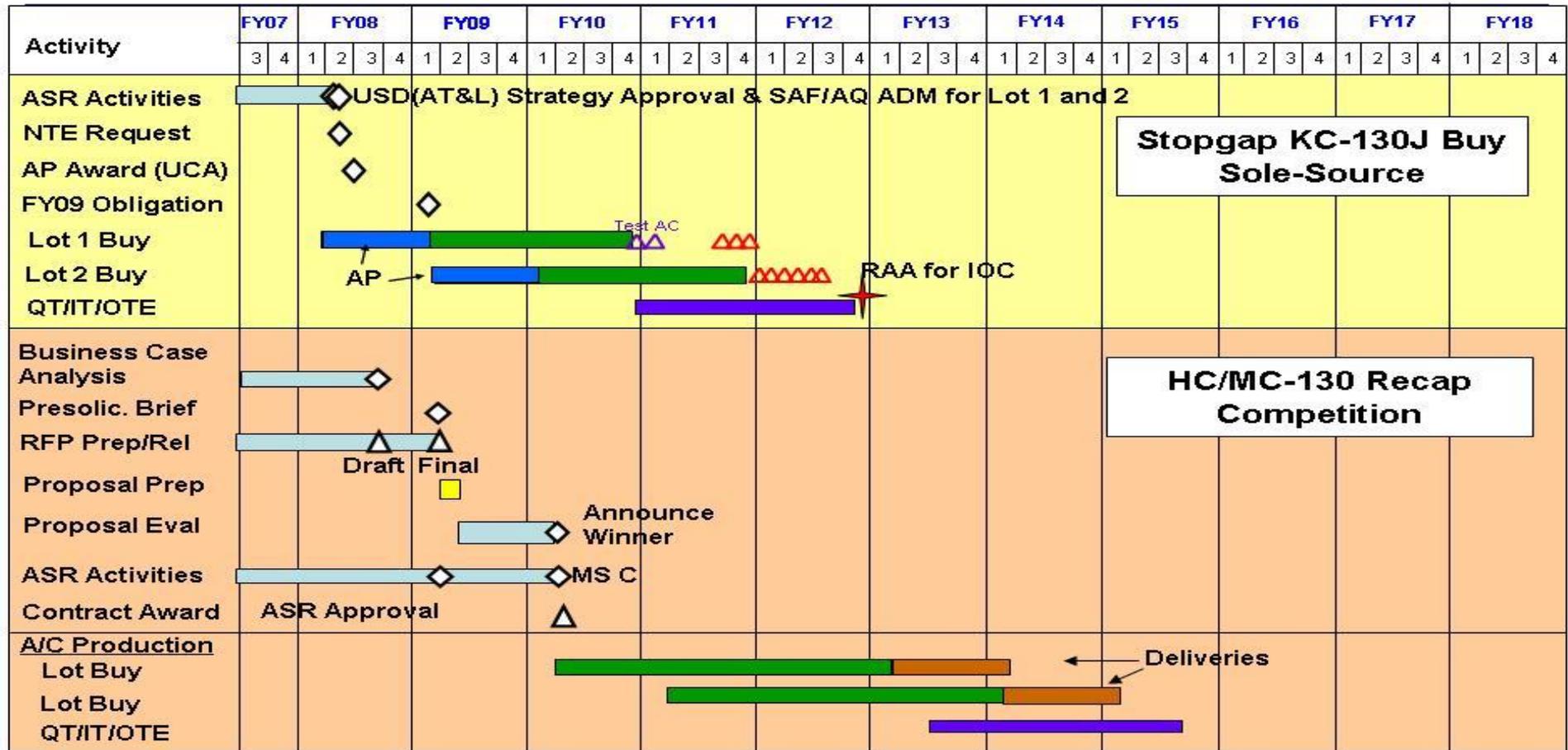
BUDGET ACTIVITY
05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE
0604261F Personnel Recovery Systems

PROJECT NUMBER AND TITLE
5249 HC-130Recap

For Official Use Only

HC/MC-130 Recapitalization Program Schedule



UNCLASSIFIED

Exhibit R-4a, RDT&E Schedule Detail	DATE May 2009
--	-------------------------

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604261F Personnel Recovery Systems	PROJECT NUMBER AND TITLE 5249 HC-130Recap
---	---	---

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) <u>Schedule Profile</u>			
(U) Conduct Market Research			
(U) Develop Acquisition Strategy			
(U) JROC Validation of CDD	1Q		
(U) Acquisition Strategy Approval	2Q		
(U) Advance Procurement Contract Award (Lot 1)	2Q		
(U) Production Contract Award (Lot 1)		1Q	
(U) Advance Procurement Contract Award (Lot 2)		1Q	

THIS PAGE INTENTIONALLY LEFT BLANK