

UNCLASSIFIED

PE NUMBER: 0207170F
 PE TITLE: JHMCS

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207170F JHMCS
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Cost (\$ in Millions)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	2.278	5.338	5.456	5.568	4.683	4.775	4.873	Continuing	TBD
5226 Joint Helmet Mounted Cueing System	0.000	2.278	5.338	5.456	5.568	4.683	4.775	4.873	Continuing	TBD

Note: Funds transferred from PE 0604012F to PE 0207170F for FY07 and beyond.

(U) A. Mission Description and Budget Item Justification

This joint Air Force/Navy program (Air Force is the lead service) develops a helmet display system capable of depicting aircraft heading data, pilot's viewing perspective, target indication tracking/cueing, and other information on the aircrew visor to enhance pilot situational awareness. This display allows the pilot to quickly align platform sensors and weapons on targets, and engage threats using high off-boresight (HOBS) weapons such as the AIM-9X.

Milestone III was approved in Jan 04, the first Full Rate Production (FRP) contract was awarded May 04, followed by FRP-2 in Jun 05. Continuing activities include, but are not limited to, deficiency resolution, improvements to tooling and test equipment, Electronic Unit obsolescence redesign; a systems engineering approach for implementing alternate displays, such as night vision; software updates; integration; improvements to Reliability and Maintainability (R&M); system upgrade studies/analysis; other obsolescence upgrades; improved magnetic mapping processes to reduce maintenance manhours and life cycle costs; and efforts to support the transition to Performance Based Logistics Partnership (PBL/P) and depot activation.

This program is in budget activity 7 - Operational System Development - because it is a modification of existing aircraft

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

	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Previous President's Budget	0.000	2.287	3.897	3.144
(U) Current PBR/President's Budget	0.000	2.278	5.338	5.456
(U) Total Adjustments	0.000	-0.009		
(U) Congressional Program Reductions				
Congressional Rescissions		-0.009		
Congressional Increases				
Reprogrammings				
SBIR/STTR Transfer				

(U) Significant Program Changes:

FY 2006 Program Change Summary is under PE 0604012F.

Exhibit R-2a, RDT&E Project Justification

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BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0207170F JHMCS			PROJECT NUMBER AND TITLE 5226 Joint Helmet Mounted Cueing System			
Cost (\$ in Millions)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
5226 Joint Helmet Mounted Cueing System	0.000	2.278	5.338	5.456	5.568	4.683	4.775	4.873	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

Note: Funds transferred from PE 0604012F to PE 0207170F for FY07 and beyond.

(U) A. Mission Description and Budget Item Justification

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This program is in budget activity 7 - Operational System Development - because it is a modification of existing aircraft

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

	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Continue deficiency resolution, reliability improvements, P3I activities, obsolescence upgrades, analysis/studies, night vision integration, alternate displays implementation, support for PBL/Depot line, and software updates	0.000	1.978	4.971	5.083
(U) Program Management and Support	0.000	0.300	0.367	0.373
(U) Total Cost	0.000	2.278	5.338	5.456

Note: FY2006 accomplishments/planned program is in PE 0604012F.

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

	<u>FY 2006</u>	<u>FY 2007</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>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Complete</u>							
(U) RDT&E, BA 5, PE 0604201F, Integrated Avionics Planning and Development	0.000	0.000	0.000	0.000	0.000	0.000			0.000	45.151
(U) RDT&E, BA 5, PE 0604012F,	2.870	0.000	0.000	0.000	0.000	0.000			0.000	5.115

Exhibit R-2a, RDT&E Project Justification

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BUDGET ACTIVITY

07 Operational System Development

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PROJECT NUMBER AND TITLE

5226 Joint Helmet Mounted Cueing System

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

JHMCS

Note: Prior to FY01 JHMCS was funded as part of PE 0604201F. Funding from FY01-FY06 is in PE 0604012F.

(U) **D. Acquisition Strategy**

JHMCS is an ACAT III joint USAF/USN program (USAF - executive service). The development contract structure is Cost Plus Award Fee (CPAF). The CPAF contract is through Boeing - St. Louis for development and integration into the F-15 and F/A-18 aircraft. All other aircraft integration will be handled by the respective platform prime contractors. In concurrence, working for a transition from ICS to a PBL/Depot Partnership.

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Exhibit R-3, RDT&E Project Cost Analysis

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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207170F JHMCS	PROJECT NUMBER AND TITLE 5226 Joint Helmet Mounted Cueing System
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<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 2006 Cost</u>	<u>FY 2006 Cost</u>	<u>FY 2006 Award Date</u>	<u>FY 2007 Cost</u>	<u>FY 2007 Award Date</u>	<u>FY 2008 Cost</u>	<u>FY 2008 Award Date</u>	<u>FY 2009 Cost</u>	<u>FY 2009 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
<u>(U) Product Development</u> Continue deficiencies resolution, reliability improvements, P3I activities, obsolescence upgrades, analysis/studies, night vision integration, alternate displays implementation, various T&E activities, and software updates	SS, CPAF	Boeing Co. St Louis, MO		0.000		1.978		4.971	Jan-08	5.083	Jan-09		12.032	
Subtotal Product Development			0.000	0.000		1.978		4.971		5.083		0.000	12.032	0.000
Remarks:														
<u>(U) Management</u> Program Management and Administration	C, T&M	Various		0.000		0.300		0.367		0.373		0.000	1.040	
Subtotal Management			0.000	0.000		0.300		0.367		0.373		0.000	1.040	0.000
Remarks:														
<u>(U) Total Cost</u>			0.000	0.000		2.278		5.338		5.456		0.000	13.072	0.000

Exhibit R-4, RDT&E Schedule Profile

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PROJECT NUMBER AND TITLE
5226 Joint Helmet Mounted Cueing System

JHMCS Integrated Schedule

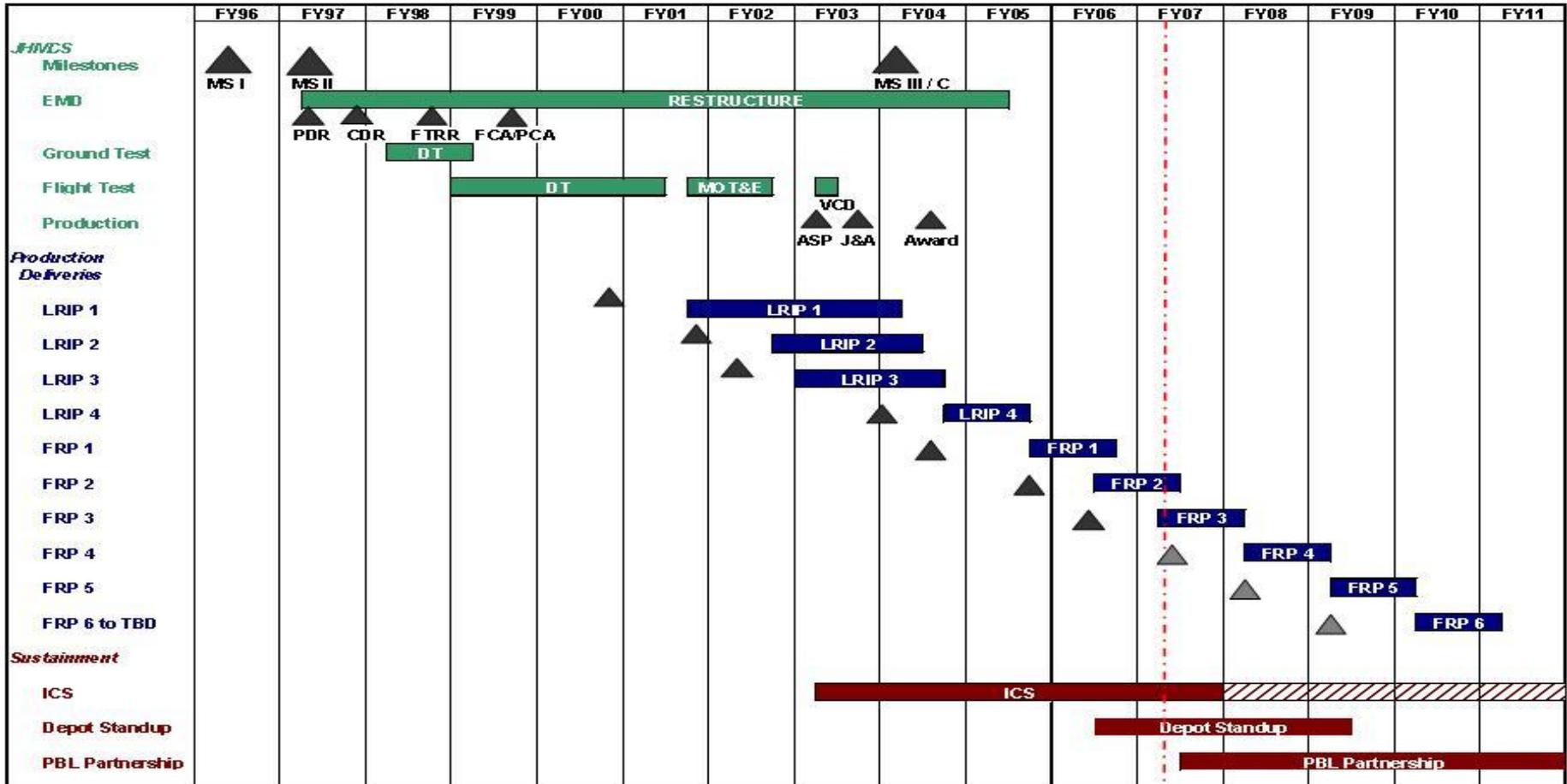


Exhibit R-4a, RDT&E Schedule Detail

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PROJECT NUMBER AND TITLE

5226 Joint Helmet Mounted Cueing System

(U) **Schedule Profile**

FY 2006

FY 2007

FY 2008

FY 2009

(U) FRP-4 Contract Award

2Q

(U) Alternate Displays Implementation Contract Award

2Q

(U) Alternate Displays Implementation Contract Completion

1Q

FY06 and prior events can be found in PE 0604012F.