PE NUMBER: 0604012F

PE TITLE: Joint Helmet Mounted Cueing System (JHMCS)

	Exhib	DATE	DATE February 2006							
					E NUMBER AND 604012F Joir		unted Cueinç	g System (JH	MCS)	
	Cost (\$ in Millions)	FY 2005 Actual	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
	Total Program Element (PE) Cost	2.245	2.870	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4789	Joint Helmet Mounted Cueing System	2.245	2.870	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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 successfully approved in Jan 04, and correspondingly, the first Full Rate Production (FRP) contract was awarded May 04, followed by FRP-2 in Jun 05. Continued activities include 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 5 - System Design and Developement (SDD).

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

	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Previous President's Budget	2.841	2.912	0.000
(U) Current PBR/President's Budget	2.245	2.870	0.000
(U) Total Adjustments	-0.596	-0.042	
(U) Congressional Program Reductions			
Congressional Rescissions	-0.002	-0.042	
Congressional Increases			
Reprogrammings	-0.541		
SBIR/STTR Transfer	-0.053		

(U) Significant Program Changes:

A ZBT was accomplished to move funds from FY07 and beyond to PE 0207170F.

R-1 Shopping List - Item No. 65-2 of 65-7

Exhibit R-2 (PE 0604012F)

	Exhibit R-2a, RDT&E Project Justification									DATE February 2006		
05 System Development and Demonstration (SDD)				0604012F Joint Helmet Mounted			PROJECT NUMBER AND TITLE 4789 Joint Helmet Mounted Cueing System (JHMCS)					
	Cost (\$ in Millions)	FY 2005 Actual	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total		
4789	Joint Helmet Mounted Cueing System (JHMCS)	2.245	2.870	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
	Quantity of RDT&E Articles	0	0	0	0	0	0	0				

JHMCS PE change request approved for FY07 BES: Funding from FY07 and beyond moved to PE 0207170F.

(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.

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This program is in budget activity 5 - System Design and Developement (SDD).

(U)	B. Accomplishments/Planned Program (\$ in Millions)	FY 2005	FY 2006	FY 2007
(U)	Continue deficiencies resolution, reliability improvements, P3I activities, obsolescense upgrades, analysis/studies,	1.970	2.581	0.000
	and night vision integration			
(U)	Continue program management support	0.275	0.289	0.000
(U)	Total Cost	2.245	2.870	0.000

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

FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Cost to	Total Cost
Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Complete	Total Cost

(U) RDT&E, BA 5, PE 0604201F,

Integrated Avionics Planning

45.151

and Development

Note: Prior to FY01 JHMCS was funded as part of PE 0604201F.

(U) D. Acquisition Strategy

JHMCS is an ACAT III joint USAF/USN program (USAF - executive service). The development contract structure is a Cost Plus Award Fee (CPAF). The CPAF

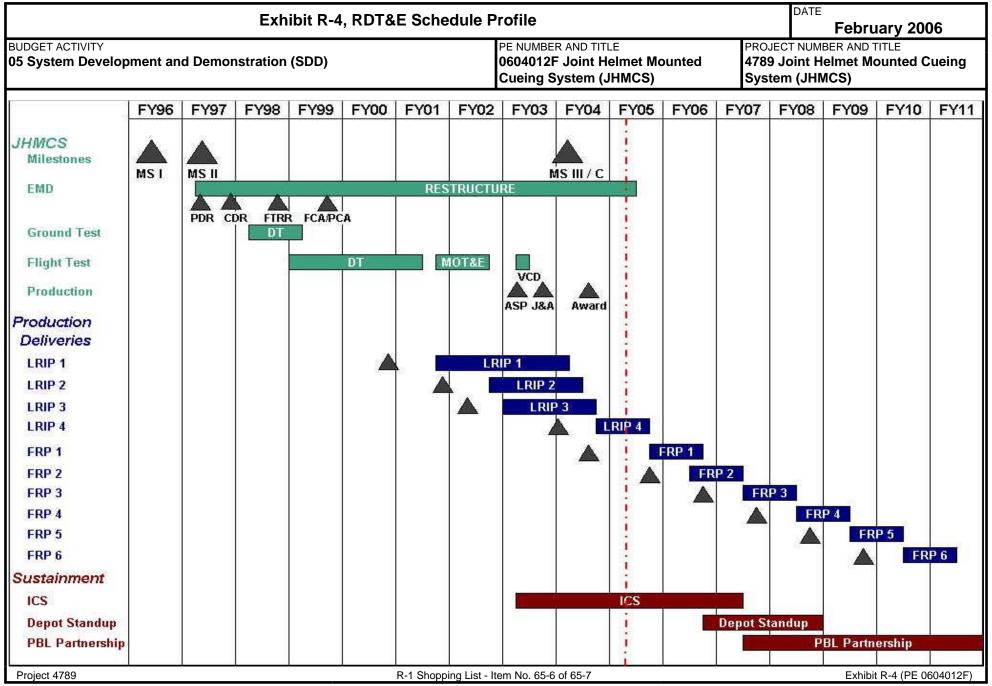
Project 4789 R-1 Shopping List - Item No. 65-3 of 65-7 Exhibit R-2a (PE 0604012F)

Exhibit R-2a, RDT&E Project Justification DATE February 2006									
BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604012F Joint Helmet Mounted Cueing System (JHMCS)	PROJECT NUMBER AND TITLE 4789 Joint Helmet Mounted Cueing System (JHMCS)							
contract is through Boeing - St. Louis for development and integratic platform prime contractors. All major contracts awarded after full at	on into the F-15 and F/A-18 aircraft. All other aircraft integra								
Project 4789	R-1 Shopping List - Item No. 65-4 of 65-7	Eyhibit R-2a (PE 0604012F)							

	UNCLASSIFIED												
	E	Exhibit R	-3, RDT&E I	Project Co	st Anal	ysis				D <i>F</i>	TE Feb	ruary 20	006
	05 System Development and Demonstration (SDD) 0604012F Joint Helmet Mounted 4789 J								4789 Join	T NUMBER AND TITLE pint Helmet Mounted Cueing n (JHMCS)			
(U)	Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2005 Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U)	Product Development Development and Integration, Reliability Improvements, P3I, Obsolescense Upgrades, Analysis/Studies, and Night Vision Integration	SS, CPFF	Boeing Co, St Louis, MO	0.710	1.870		2.581		0.000			5.161	
(U)	Subtotal Product Development Remarks: Support			0.710	1.870		2.581		0.000		0.000	5.161	0.000
. ,	Cost Reduction Analysis Subtotal Support Remarks:	C, T&M	Various	0.000	0.100 0.100		0.000 0.000		0.000		0.000	0.100 0.100	0.000
(U)	Test & Evaluation Various Subtotal Test & Evaluation Remarks:	Various	Various	0.000	0.000		0.000 0.000		0.000		0.000	0.000 0.000	0.000
(U)	Management Program Management and Administration Subtotal Management	C, T&M	Various	0.086 0.086	0.275 0.275		0.289 0.289		0.000		0.000	0.650 0.650	0.000
(U)	Remarks: Total Cost			0.796	2.245		2.870		0.000		0.000	5.911	0.000

Exhibit R-3 (PE 0604012F)

Project 4789



UNCLASSIFIED									
Exhibit R-4a, RDT&E Sche	DATE Febr	February 2006							
BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604012F Joint Helmet Mounted Cueing System (JHMCS)		ECT NUMBER AND TITLE Joint Helmet Mounted Cueing em (JHMCS)						
(U) Schedule Profile (U) Continue R&M Fixes/Software Updates/P3I (U) FRP-2 Contract Award (U) Class I ECP's (U) FRP-3 Contract Award (U) Alternate Displays Contract Award Note: Schedule profile milestones for FY07 are located in PE 0207170F.	FY 2005 2-4Q 3Q 2-4Q	FY 2006 2-4Q 2-4Q 2Q 1Q	FY 2007						
Project 4789 R-1 Shoppin	ng List - Item No. 65-7 of 65-7	Exhibit	t R-4a (PE 0604012F)						