

UNCLASSIFIED

PE NUMBER: 0308699F

PE TITLE: Shared Early Warning System

Exhibit R-2, RDT&E Budget Item Justification

DATE

February 2005

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0308699F Shared Early Warning System

Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	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	2.550	3.281	3.295	3.357	3.436	3.481	3.553	3.599	Continuing	TBD
4838 Shared Early Warning System	2.550	3.281	3.295	3.357	3.436	3.481	3.553	3.599	Continuing	TBD

(U) **A. Mission Description and Budget Item Justification**

The Shared Early Warning System (SEWS) is the result of Presidential foreign policy initiatives beginning in 1996. SEWS was established in December 1998 as a formal DoD program with the Air Force as the lead service. It is centrally managed to eliminate the previous ad hoc approach. The SEWS provides Theater Combatant Commanders and foreign nation partners direct operational benefit. Foreign partner arrangements are negotiated with individual countries on a bilateral basis to provide selected region-specific missile warning information. SEWS is comprised of: program management by the System Program Office (including the use of Federally Funded Research & Development Centers (FFRDC) and Systems Engineering and Technical Assistance (SETA) contractors); design, development, and acquisition of a common SEWS architecture; design, development, and test of a Joint Data Exchange Center (JDEC) in Moscow, Russia; development of a multi-lingual, web-based infrastructure to provide Pre-Launch Notification System information; and site preparation for additional systems, as required. This program is in Budget Activity 7 - Operational System Development, because it supports work on currently operating systems and/or upgrades still in engineering development

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

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Previous President's Budget	3.210	3.345	3.376	3.388
(U) Current PBR/President's Budget	2.550	3.281	3.295	3.357
(U) Total Adjustments	-0.660	-0.064		
(U) Congressional Program Reductions				
Congressional Rescissions		-0.064		
Congressional Increases				
Reprogrammings	-0.564			
SBIR/STTR Transfer	-0.096			

(U) **Significant Program Changes:**

Exhibit R-2a, RDT&E Project Justification

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4838 Shared Early Warning System

Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4838 Shared Early Warning System	2.550	3.281	3.295	3.357	3.436	3.481	3.553	3.599	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**

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

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Accomplishments/Planned Program				
(U) Continue SEWS design, development, and test efforts to include but not be limited to: SEWS common architecture, SEWS initiatives as identified by theater commanders, a JDEC system planned to be installed in Moscow, and a Pre-Launch Notification System.	2.550	3.281	3.295	3.357
(U) Total Cost	2.550	3.281	3.295	3.357

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

	<u>FY 2004</u> <u>Actual</u>	<u>FY 2005</u> <u>Estimate</u>	<u>FY 2006</u> <u>Estimate</u>	<u>FY 2007</u> <u>Estimate</u>	<u>FY 2008</u> <u>Estimate</u>	<u>FY 2009</u> <u>Estimate</u>	<u>FY 2010</u> <u>Estimate</u>	<u>FY 2011</u> <u>Estimate</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>
(U) Other APPN										
(U) OPAF (PE 0308699F, Comm										
(U) Elect Mods, P-1 Line Item	0.192	0.285	1.528	0.291	0.298	0.252	0.241	0.318	Continuing	TBD
(U) #75, BA 3)										
(U) Operations and Maintenance	7.080	7.879	8.537	8.401	8.714	8.784	8.897	9.024	Continuing	TBD
(U) AF										

Note: Fiscal year 2006 provides for major technological refresh of the SEWS system.

(U) **D. Acquisition Strategy**

SEWS employs a spiral development acquisition strategy which enables rapid development and fielding of capability in response to validated requirements.

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Exhibit R-3, RDT&E Project Cost Analysis												DATE February 2005		
BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0308699F Shared Early Warning System					PROJECT NUMBER AND TITLE 4838 Shared Early Warning System				
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2004 Cost	FY 2004 Cost	FY 2004 Award Date	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														
Lockheed Martin	SS/CPAF	Colorado Springs, CO	9.156	0.666	Oct-03	1.865	Oct-04	1.882	Oct-05	1.891	Oct-06	Continuing	TBD	TBD
Navy	MIPR	San Diego, CA	0.353	0.180	Sep-04	0.200	Jan-05	0.208	Nov-05	0.216	Nov-06	Continuing	TBD	TBD
Various Ctrs/Gov Agencies	MIPR/AF		2.849	0.698	Jul-04	0.053	Jan-05	0.000		0.000		Continuing	TBD	TBD
Subtotal Product Development			12.358	1.544		2.118		2.090		2.107		Continuing	TBD	TBD
Remarks:														
(U) Support														
MITRE	SS/CPFF	Colorado Springs, CO	2.263	0.500	Oct-03	0.505	Oct-04	0.525	Oct-05	0.546	Oct-06	Continuing	TBD	TBD
A&AS	C/R	Colorado Springs, CO	3.978	0.500	Apr-04	0.652	Nov-04	0.674	Nov-05	0.698	Nov-06	Continuing	TBD	TBD
PMA	N/A	Colorado Springs, CO	1.131	0.006	Oct-03	0.006	Oct-04	0.006	Oct-05	0.006	Oct-06	Continuing	TBD	TBD
Subtotal Support			7.372	1.006		1.163		1.205		1.250		Continuing	TBD	TBD
Remarks:														
(U) Total Cost			19.730	2.550		3.281		3.295		3.357		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

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Exhibit R-4 SEWS

Fiscal Year		FY04				FY05				FY06				FY07				FY08				FY09			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Spiral development of common system architecture		▲		▲		▲		△		△		△		△		△		△		△		△		△	

Schedule reflects planned software drops every six months, stemming from spiral development schedule and used to keep Combatant Commanders' SEWS capabilities in step with those acquired by partner nations.

-  *Planned Ongoing Activity*
 *Ongoing Activity that is Complete*
 *Completed Event*
 *Planned Task(s)*

Exhibit R-4a, RDT&E Schedule Detail

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4838 Shared Early Warning System

(U) Schedule ProfileFY 2004FY 2005FY 2006FY 2007

(U) Spiral development of common system architecture

1,3Q

1,3Q

1,3Q

1,3Q