

UNCLASSIFIED

PE NUMBER: 0308699F

PE TITLE: Shared Early Warning System

Exhibit R-2, RDT&E Budget Item Justification

DATE

February 2006

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0308699F Shared Early Warning System

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	3.183	3.235	2.999	3.020	2.913	2.882	2.829	Continuing	TBD
4838 Shared Early Warning System	3.183	3.235	2.999	3.020	2.913	2.882	2.829	Continuing	TBD

FY 07 Reductions due to higher USAF/DOD priorities.

(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 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Previous President's Budget	3.345	3.295	3.357
(U) Current PBR/President's Budget	3.183	3.235	2.999
(U) Total Adjustments	-0.162	-0.060	
(U) Congressional Program Reductions		-0.028	
Congressional Rescissions	-0.162	-0.032	
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer			
(U) <u>Significant Program Changes:</u>			

UNCLASSIFIED

Exhibit R-2a, RDT&E Project Justification

DATE

February 2006

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0308699F Shared Early Warning System

PROJECT NUMBER AND TITLE

4838 Shared Early Warning System

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
4838 Shared Early Warning System	3.183	3.235	2.999	3.020	2.913	2.882	2.829	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

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

	<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.	3.183	3.235	2.999
(U) Total Cost	3.183	3.235	2.999

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

	<u>FY 2005</u> <u>Actual</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 Elect Mods, P-1 Line Item #75, BA 3)	0.285	1.508	0.291	0.298	0.252	0.241	0.318	Continuing	TBD
(U) Operations and Maintenance AF	7.471	8.333	7.456	8.403	8.502	8.826	8.843	Continuing	TBD

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

(U) **D. Acquisition Strategy**

The acquisition strategy builds on existing capabilities, using evolutionary acquisition and spiral development, to modernize and sustain SEWS.

Project 4838

R-1 Shopping List - Item No. 214-2 of 214-5

Exhibit R-2a (PE 0308699F)

1958

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis

DATE

February 2006

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) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract</u> <u>Method &</u> <u>Type</u>	<u>Performing</u> <u>Activity &</u> <u>Location</u>	<u>Total</u> <u>Prior to FY</u> <u>2005</u> <u>Cost</u>	<u>FY 2005</u> <u>Cost</u>	<u>FY 2005</u> <u>Award</u> <u>Date</u>	<u>FY 2006</u> <u>Cost</u>	<u>FY 2006</u> <u>Award</u> <u>Date</u>	<u>FY 2007</u> <u>Cost</u>	<u>FY 2007</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target Value</u> <u>of Contract</u>
(U) <u>Product Development</u>												
Lockheed Martin	C/CPAF	Colorado Springs, CO	9.822	1.607	Oct-04	1.323	Jan-06	1.181	Oct-06	Continuing	TBD	TBD
Navy	MIPR	San Diego, CA	0.533	0.335	Jul-05	0.256	Feb-06	0.300	Jan-07	Continuing	TBD	TBD
Various Ctrs/Gov Agencies	MIPR	Colorado Springs, CO	3.547	0.020	Dec-04	0.393	Jan-06	0.406	Jan-07	Continuing	TBD	TBD
Subtotal Product Development			13.902	1.962		1.972		1.887		Continuing	TBD	TBD
Remarks:												
(U) <u>Support</u>												
MITRE	SS/CPFF	Colorado Springs, CO	2.763	0.505	Nov-04	0.525	Nov-05	0.568	Oct-06	Continuing	TBD	TBD
A&AS	C/T&M	Colorado Springs, CO	4.478	0.710	Dec-04	0.732	Dec-05	0.538	Dec-06	Continuing	TBD	TBD
PMA	N/A	Colorado Springs, CO	1.137	0.006	Oct-04	0.006	Oct-05	0.006	Oct-06	Continuing	TBD	TBD
Subtotal Support			8.378	1.221		1.263		1.112		Continuing	TBD	TBD
Remarks:												
(U) Total Cost			22.280	3.183		3.235		2.999		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

DATE

February 2006

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0308699F Shared Early Warning
System

PROJECT NUMBER AND TITLE

4838 Shared Early Warning System

Exhibit R-4 SEWS

Fiscal Year	FY04				FY05				FY06				FY07				FY08				FY09				FY10				FY11			
	1	2	3	4	1	2	3	4	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)*

UNCLASSIFIED

Exhibit R-4a, RDT&E Schedule Detail

DATE

February 2006

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) Schedule ProfileFY 2005FY 2006FY 2007

(U) Spiral development of common system architecture

1,3Q

1,3Q

1,3Q