

UNCLASSIFIED

PE NUMBER: 0308699F
 PE TITLE: Shared Early Warning System

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
---	------------------------------

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0308699F Shared Early Warning 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
Total Program Element (PE) Cost	2.959	2.975	3.152	3.178	3.240	3.245	2.923	2.983	Continuing	TBD
4838 Shared Early Warning System	2.959	2.975	3.152	3.178	3.240	3.245	2.923	2.983	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 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Previous President's Budget	3.235	2.999	3.118	3.136
(U) Current PBR/President's Budget	2.959	2.975	3.152	3.178
(U) Total Adjustments	-0.276			
(U) Congressional Program Reductions		-0.013		
Congressional Rescissions		-0.011		
Congressional Increases				
Reprogrammings	-0.185			
SBIR/STTR Transfer	-0.091			
(U) <u>Significant Program Changes:</u>				

UNCLASSIFIED

Exhibit R-2a, RDT&E Project Justification

DATE
February 2007

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 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
4838 Shared Early Warning System	2.959	2.975	3.152	3.178	3.240	3.245	2.923	2.983	Continuing	TBD
Quantity of RDT&E Articles	0	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)

Accomplishments/Planned Program	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(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.	2.959	2.975	3.152	3.178
(U) Total Cost	2.959	2.975	3.152	3.178

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

	<u>FY 2006</u> <u>Actual</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>FY 2012</u> <u>Estimate</u>	<u>FY 2013</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,	1.508	0.290	0.302	0.256	0.244	0.322	0.329	0.335	Continuing	TBD
(U) Operations and Maintenance AF	6.902	7.114	7.433	7.414	7.699	7.594	7.748	7.902	Continuing	TBD

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

Exhibit R-2a, RDT&E Project Justification

DATE

February 2007

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) D. Acquisition Strategy

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

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis

DATE
February 2007

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 Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total</u> <u>Prior to FY 2006</u> <u>Cost</u>	<u>FY 2006</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2009</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
				<u>Cost</u>	<u>Award</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u>	<u>Award</u>			
(U) <u>Product Development</u>														
Lockheed Martin	C/CPAF	Colorado Springs, CO	11.429	1.335	Jan-06	1.143	Dec-06	1.389	Oct-07	1.350	Oct-08	Continuing	TBD	TBD
Navy	MIPR	San Diego, CA	0.868	0.150	Feb-06	0.385	Jan-07	0.312	Jan-08	0.324	Jan-09	Continuing	TBD	TBD
Various Ctrs/Gov Agencies	MIPR	Colorado Springs, CO	3.567	0.225	Jan-06	0.593	Jan-07	0.566	Jan-08	0.586	Jan-09	Continuing	TBD	TBD
Subtotal Product Development			15.864	1.710		2.121		2.267		2.260		Continuing	TBD	TBD
Remarks:														
(U) <u>Support</u>														
MITRE	SS/CPFF	Colorado Springs, CO	3.268	0.529	Nov-05	0.153	Oct-06	0.160	Oct-07	0.167	Oct-08	Continuing	TBD	TBD
A&AS	C/T&M	Colorado Springs, CO	5.188	0.713	Dec-05	0.695	Dec-06	0.719	Oct-07	0.745	Oct-08	Continuing	TBD	TBD
PMA	N/A	Colorado Springs, CO	1.143	0.007	Oct-05	0.006	Oct-06	0.006	Oct-07	0.006	Oct-08	Continuing	TBD	TBD
Subtotal Support			9.599	1.249		0.854		0.885		0.918		Continuing	TBD	TBD
Remarks:														
(U) Total Cost			25.463	2.959		2.975		3.152		3.178		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

DATE

February 2007

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	▲		▲		▲		▲		▲		▲		▲		△		△		△		△		△		△		△		△		△	
<div style="border: 1px solid black; padding: 5px; background-color: #e0e0e0;"> 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. </div>																																

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

Exhibit R-4a, RDT&E Schedule Detail	DATE February 2007
--	------------------------------

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>Schedule Profile</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Spiral development of common system architecture	1,3Q	1,3Q	1,3Q	1,3Q