

UNCLASSIFIED

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

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2008
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0308699F Shared Early Warning System
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Cost (\$ in Millions)	FY 2007 Actual	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	2.896	3.127	3.152	3.209	3.128	2.692	2.325	Continuing	TBD
4838 Shared Early Warning System	2.896	3.127	3.152	3.209	3.128	2.692	2.325	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 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Previous President's Budget	2.975	3.152	3.178
(U) Current PBR/President's Budget	2.896	3.127	3.152
(U) Total Adjustments	-0.079		
(U) Congressional Program Reductions		0.005	
Congressional Rescissions		0.020	
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer	-0.079		
(U) <u>Significant Program Changes:</u>			

Exhibit R-2a, RDT&E Project Justification

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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 2007 Actual	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	2.896	3.127	3.152	3.209	3.128	2.692	2.325	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 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Accomplishments/Planned Program			
(U) Continue SEWS design, development, and test efforts to include but not limited to: SEWS common architecture, SEWS initiatives as identified by theater commanders, investigating evolving technologies to enhance the JDEC system for future deployment in Moscow and development of a multi-lingual, web-based infrastructure to provide Pre-Launch Notification System information and site preparation for additional systems, as required.	2.896	3.127	3.152
(U) Total Cost	2.896	3.127	3.152

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

	<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 Complete</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>		
(U) Other APPN									
(U) OPAF (PE 0308699F, Comm Elect Mods,	0.290	0.300	0.254	0.242	0.319	0.326	0.332	Continuing	TBD
(U) Operations and Maintenance AF	5.985	7.136	7.372	7.591	7.350	7.486	7.450	Continuing	TBD

(U) D. Acquisition Strategy

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

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Exhibit R-3, RDT&E Project Cost Analysis

DATE

February 2008

BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT NUMBER AND TITLE				
07 Operational System Development				0308699F Shared Early Warning System				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 Prior to FY 2007 Cost</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>												
Lockheed Martin	C/CPAF	Colorado Springs, CO		0.809	Dec-06	1.105	Oct-07	1.059	Oct-08	Continuing	TBD	TBD
Navy	MIPR	San Diego, CA		0.373	Jan-07	0.312	Jan-08	0.324	Jan-09	Continuing	TBD	TBD
Various Ctrs/Gov Agencies	MIPR	Colorado Springs, CO		0.798	Jan-07	0.761	Jan-08	0.786	Jan-09	Continuing	TBD	TBD
Subtotal Product Development			0.000	1.980		2.178		2.169		Continuing	TBD	TBD
Remarks:												
(U) <u>Support</u>												
MITRE	SS/CPFF	Colorado Springs, CO		0.153	Oct-06	0.160	Oct-07	0.167	Oct-08	Continuing	TBD	TBD
A&AS	C/T&M	Colorado Springs, CO		0.751	Dec-06	0.777	Oct-07	0.804	Oct-08	Continuing	TBD	TBD
PMA	N/A	Colorado Springs, CO		0.012	Oct-06	0.012	Oct-07	0.012	Oct-08	Continuing	TBD	TBD
Subtotal Support			0.000	0.916		0.949		0.983		Continuing	TBD	TBD
Remarks:												
(U) Total Cost			0.000	2.896		3.127		3.152		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

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BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
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PROJECT NUMBER AND TITLE
4838 Shared Early Warning System

Exhibit R-4 SEWS

Fiscal Year	FY06				FY07				FY08				FY09				FY10				FY11				FY12				FY13			
	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

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BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

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PROJECT NUMBER AND TITLE

4838 Shared Early Warning System

(U) Schedule Profile

FY 2007

FY 2008

FY 2009

(U) Spiral development of common system architecture

1,3Q

1,3Q

1,3Q