

**UNCLASSIFIED**

PE NUMBER: 0305887F  
 PE TITLE: Electronic Combat Intelligence Support

<b>Exhibit R-2, RDT&amp;E Budget Item Justification</b>	DATE <b>February 2008</b>
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<b>BUDGET ACTIVITY</b> <b>07 Operational System Development</b>	<b>PE NUMBER AND TITLE</b> <b>0305887F Electronic Combat Intelligence Support</b>
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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	5.121	5.305	5.438	5.586	5.656	5.765	5.882	Continuing	TBD
0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt	5.121	5.305	5.438	5.586	5.656	5.765	5.882	Continuing	TBD

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

- (U) This program expedites Information Superiority (IS) Technology transition from laboratory, industry, and academia to operational platforms via studies, rapid prototyping, technology demonstrations and other RDT&E efforts. Program efforts directly support the AF Information Operations Capabilities Plan (IOCP) and the DoD Information Operations (IO) Roadmap.
  
- (U) The program office investigates and selects the highest potential Information Operations technologies to meet specific shortfalls and deficiencies documented by major commands (MAJCOMs), unified commands, and IO agencies in Mission Area Plans (MAPs) and capabilities documents. In accordance with Air Force Policy on Information Operations, the IS core capability areas to be considered are influence operations, electronic warfare operations and network warfare operations.
  
- (U) Planned areas of study, prototyping, and demonstration, include but are not limited to, techniques and technologies for defending systems against sophisticated Information Superiority (IS) and computer network attacks. This will be done by exploiting Integrated Air Defense Systems (IADS), Command and Control Systems, and applying the latest advancements in emerging physics, communications, directed energy, electronic sensors, and intelligence to IS.
  
- (U) The program office works directly with labs, industry, and warfighters to set priorities and find synergistic combinations of new technology, doctrine and training. Program efforts will be prioritized and guided by the Information Operations Capabilities Team (IOCT) in support of the Air Force IOCP and other applicable requirements documents.
  
- (U) This program funds advanced IO studies to leverage current DoD laboratory research, concept exploration and joint concept technology demonstrations. Studies support or complement PE 0208021 Information Warfare Support. Program activities are protected under the PANTHER DEN Special Access Program. Data available upon request.
  
- (U) This program is Budget Activity 7, Operational System Development, because it studies, develops, and fields IO technologies.

## Exhibit R-2, RDT&amp;E Budget Item Justification

DATE

February 2008

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0305887F Electronic Combat Intelligence Support

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

	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Previous President's Budget	5.144	5.362	5.485
(U) Current PBR/President's Budget	5.121	5.305	5.438
(U) Total Adjustments	-0.023	-0.057	
(U) Congressional Program Reductions			
Congressional Rescissions	0.000	-0.057	
Congressional Increases			
Reprogrammings	-0.023		
SBIR/STTR Transfer			

(U) **Significant Program Changes:**

This PE received additional funding beginning in FY07 as a SECAF directed, OSD approved effort in support of current and future PANTHER DEN activities.

**Exhibit R-2a, RDT&E Project Justification**

DATE  
**February 2008**

<b>BUDGET ACTIVITY</b> 07 Operational System Development				<b>PE NUMBER AND TITLE</b> 0305887F Electronic Combat Intelligence Support			<b>PROJECT NUMBER AND TITLE</b> 0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt		
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
0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt	5.121	5.305	5.438	5.586	5.656	5.765	5.882	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

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

(U) This program expedites Information Superiority (IS) Technology transition from laboratory, industry, and academia to operational platforms via studies, rapid prototyping, technology demonstrations and other RDT&E efforts. Program efforts directly support the AF Information Operations Capabilities Plan (IOCP) and the DoD Information Operations (IO) Roadmap.

(U) The program office investigates and selects the highest potential Information Operations technologies to meet specific shortfalls and deficiencies documented by major commands (MAJCOMs), unified commands, and IO agencies in Mission Area Plans (MAPs) and capabilities documents. In accordance with Air Force Policy on Information Operations, the IS core capability areas to be considered are influence operations, electronic warfare operations and network warfare operations.

(U) Planned areas of study, prototyping, and demonstration, include but are not limited to, techniques and technologies for defending systems against sophisticated Information Superiority (IS) and computer network attacks. This will be done by exploiting Integrated Air Defense Systems (IADS), Command and Control Systems, and applying the latest advancements in emerging physics, communications, directed energy, electronic sensors, and intelligence to IS.

(U) The program office works directly with labs, industry, and warfighters to set priorities and find synergistic combinations of new technology, doctrine and training. Program efforts will be prioritized and guided by the Information Operations Capabilities Team (IOCT) in support of the Air Force IOCP and other applicable requirements documents.

(U) This program funds advanced IO studies to leverage current DoD laboratory research, concept exploration and joint concept technology demonstrations. Studies support or complement PE 0208021 Information Warfare Support. Program activities are protected under the PANTHER DEN Special Access Program. Data available upon request.

(U) This program is Budget Activity 7, Operational System Development, because it studies, develops, and fields IO technologies.

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

	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) The IO Technology Program provides security, systems engineering, rapid prototyping, and demonstrations of state-of-the-art IO technologies to meet the warfighters IO requirements. The IO Capabilities Team (IOCT) and the IO Capabilities Plan will be supported through these developmental efforts.	5.121	5.305	5.438
(U) Total Cost	5.121	5.305	5.438

Exhibit R-2a, RDT&E Project Justification

DATE

February 2008

BUDGET ACTIVITY <b>07 Operational System Development</b>	PE NUMBER AND TITLE <b>0305887F Electronic Combat Intelligence Support</b>	PROJECT NUMBER AND TITLE <b>0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt</b>
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(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</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>Complete</u>	
(U) PE 0208021F Information Warfare Support	28.028	11.965	12.220	12.482	12.664	14.734	15.036	Continuing	TBD

(U) **D. Acquisition Strategy**

All major contracts within this program element are awarded after full and open competition unless other than full and open is justified to the Program Executive Officer (PEO).

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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				
<b>07 Operational System Development</b>				<b>0305887F Electronic Combat Intelligence Support</b>				<b>0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt</b>				
(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method &amp; Type</u>	<u>Performing Activity &amp; 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> Fielded System	T&M	Various, Lackland AFB, TX		2.345	Jan-07	2.446	Jan-08	2.509	Jan-09	Continuing	TBD	TBD
Subtotal Product Development			0.000	2.345		2.446		2.509		Continuing	TBD	TBD
Remarks:												
(U) <u>Support</u> Security Support	A&AS	Various, LAFB, TX		1.369	Jan-07	1.203	Jan-08	1.240	Jan-09	Continuing	TBD	
Engineering Support	FFRDC	MITRE, Bedford MA		0.510	Oct-06	0.644	Oct-07	0.721	Oct-08	Continuing	TBD	TBD
Subtotal Support			0.000	1.879		1.847		1.961		Continuing	TBD	TBD
Remarks:												
(U) <u>Test &amp; Evaluation</u> Funded Via Platform Program Offices	MASKED (SPECIAL ACCESS REQUIRE D)	MASKED (SPECIAL ACCESS REQUIRED)		0.643		0.693		0.653		Continuing	TBD	TBD
Subtotal Test & Evaluation			0.000	0.643		0.693		0.653		Continuing	TBD	TBD
Remarks:												
(U) <u>Management</u> Operating Costs		950th ELSG, Hanscom AFB MA		0.254	Sep-07	0.319	Sep-08	0.315	Sep-09	Continuing	TBD	TBD
Subtotal Management			0.000	0.254		0.319		0.315		Continuing	TBD	TBD
Remarks:												
(U) Total Cost			0.000	5.121		5.305		5.438		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

DATE

February 2008

BUDGET ACTIVITY  
07 Operational System Development

PE NUMBER AND TITLE  
0305887F Electronic Combat  
Intelligence Support

PROJECT NUMBER AND TITLE  
0374 Electronic Combat Spt, C3  
Protection/Multi-Mission, Technology  
and Spt



# PANTHER DEN Schedule

FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13
 <b>THIS PROGRAM'S SCHEDULE IS PROTECTED UNDER SPECIAL ACCESS PROGRAM CLASSIFICATION</b>							

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Exhibit R-4 (PE 0305887F)

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Exhibit R-4a, RDT&E Schedule Detail

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BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0305887F Electronic Combat  
Intelligence Support

PROJECT NUMBER AND TITLE

0374 Electronic Combat Spt, C3  
Protection/Multi-Mission, Technology  
and Spt

(U) Schedule Profile

FY 2007

FY 2008

FY 2009

(U) Program schedules are protected under Special Access Program classification

1-4Q

1-4Q

1-4Q