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

Exhibit R-2, RDT&E Budget Item Justification

DATE **February 2007**

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0305887F Electronic Combat Intelligence Support

	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	0.944	5.144	5.362	5.485	5.639	5.711	5.821	5.939	Continuing	TBD
0374	Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt	0.944	5.144	5.362	5.485	5.639	5.711	5.821	5.939	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 capabilites 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 users and battle labs 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 studies to leverage current DoD lab efforts. Studies will be deconflicted with and will complement PE 0208021 Information Warfare Support. This program will be 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&E Budget Item Justification

DATE
February 2007

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0305887F Electronic Combat Intelligence Support

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

		FY 2006	FY 2007	FY 2008	FY 2009
(U)	Previous President's Budget	0.961	5.163	5.335	5.452
(U)	Current PBR/President's Budget	0.944	5.144	5.362	5.485
(U)	Total Adjustments	-0.017	-0.019		
(U)	Congressional Program Reductions				
	Congressional Rescissions		-0.019		
	Congressional Increases				
	Reprogrammings				
	SBIR/STTR Transfer	-0.017			

(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 2007**

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

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
0374	Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt	0.944	5.144	5.362	5.485	5.639	5.711	5.821	5.939	Continuing	TBD
	Quantity of RDT&E Articles	0	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 capabilites 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 users and battle labs 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 studies to leverage current DoD lab efforts. Studies will be deconflicted with and will complement PE 0208021 Information Warfare Support. This program will be 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)	FY 2006	FY 2007	FY 2008	FY 2009
(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.	0.944	5.144	5.362	5.485
(U)	Total Cost	0.944	5.144	5.362	5.485

Exhibit R-2a, RDT&E Project Justification		DATE February 2007
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) C. Other Program Funding Summary ($ 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 Cost
(U) PE 28021 Information Warfare Support	15.204	24.717	26.166	26.610	27.580	28.096	28.596	29.096	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).

Exhibit R-3, RDT&E Project Cost Analysis

DATE **February 2007**

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) Cost Categories (Tailor to WBS, or System/Item Requirements) ($ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2006 Cost	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) Product Development														
Security Systems Engineering	CPFF	Lockheed Martin, Hanscom AFB MA		0.050	Jun-06	0.000		0.000		0.000		Continuing	TBD	TBD
Fielded System	T&M	General Dynamics, Lackland AFB, TX	0.000	0.000		2.345	Jan-07	2.446	Jan-08	2.509	Jan-09	Continuing	TBD	TBD
Subtotal Product Development			0.000	0.050		2.345		2.446		2.509		Continuing	TBD	TBD
Remarks:														
(U) Support														
Security Support	ITSP	Various, Hanscom AFB MA		0.486	Jan-06	0.000		0.000		0.000		Continuing	TBD	TBD
Security Support	ITSP	Various, LAFB, TX				1.392	Jan-07	1.203	Jan-08	1.240	Jan-09	Continuing	TBD	
Engineering Support	FFRDC	MITRE, Bedford MA		0.233	Oct-05	0.510	Oct-06	0.701	Oct-07	0.721	Oct-08	Continuing	TBD	TBD
Subtotal Support			0.000	0.719		1.902		1.904		1.961		Continuing	TBD	TBD
Remarks:														
(U) Test & Evaluation														
Funded Via Platform SPOs	MASKED (SPECIAL ACCESS REQUIRED)	MASKED (SPECIAL ACCESS REQUIRED)				0.643		0.693		0.700		Continuing	TBD	TBD
Subtotal Test & Evaluation			0.000	0.000		0.643		0.693		0.700		Continuing	TBD	TBD
Remarks:														
(U) Management														
Operating Costs		950th ELSG/KIZP, Hanscom AFB MA		0.175	Sep-06	0.254	Sep-07	0.319	Sep-08	0.315	Sep-09	Continuing	TBD	TBD
Subtotal Management			0.000	0.175		0.254		0.319		0.315		Continuing	TBD	TBD
Remarks:														
(U) Total Cost			0.000	0.944		5.144		5.362		5.485		Continuing	TBD	TBD

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

THIS PROGRAM'S SCHEDULE IS PROTECTED UNDER SPECIAL ACCESS PROGRAM CLASSIFICATION

For Official Use Only

1

Exhibit R-4a, RDT&E Schedule Detail

DATE
February 2007

BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT NUMBER AND TITLE
07 Operational System Development	**0305887F Electronic Combat Intelligence Support**	**0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt**

(U) Schedule Profile

FY 2006	FY 2007	FY 2008	FY 2009

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