

Exhibit R-2, RDT&E Budget Item Justification	DATE May 2009
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305887F Electronic Combat Intelligence Support
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Cost (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	5.163	5.401	5.267	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt	5.163	5.401	5.267	0.000	0.000	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

This program expedites Information Superiority (IS) Technology transition from laboratory, industry, and academia to operational platforms including the Network Attack System (NAS) 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.

The program office investigates and selects the highest potential Information Operations technologies to meet specific shortfalls, deficiencies and requirements 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.

Planned areas of study, prototyping, and demonstration include, but are not limited to, IO techniques and technologies. This will be done by exploiting Integrated Air Defense Systems (IADS), electronic warfare operations, Command and Control Systems, and applying the latest advancements in emerging physics, electronic warfare, communications, directed energy, electronic sensors, and intelligence to IS.

The program office works directly with labs, industry, and warfighters to set priorities and find synergistic combinations of new technology, doctrine and training via multiple Network Warfare Operations Capability (NWOC) contract awards to deliver state of the art IO tools to the warfighter as well as to engineer key upgrades and modifications to the NAS. 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.

This program funds advanced IO studies and analysis to leverage 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.

This program is Budget Activity 7, Operational System Development, because it studies, develops, tests, and fields IO technologies to operational systems.

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BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0305887F Electronic Combat Intelligence Support

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

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Previous President's Budget	5.305	5.438	5.586
(U) Current PBR/President's Budget	5.163	5.401	5.267
(U) Total Adjustments	-0.142	-0.037	
(U) Congressional Program Reductions		-0.023	
Congressional Rescissions		-0.014	
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer	-0.142		
(U) <u>Significant Program Changes:</u>			

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07 Operational System Development		0305887F Electronic Combat Intelligence Support					0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt			
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0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt	5.163	5.401	5.267	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

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(U) <u>B. Accomplishments/Planned Program (\$ in Millions)</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) NAS - Network Attack System Modifications/Upgrades	0.572	0.500	0.500
(U) NWOC - Network Warfare Operations Capability Studies & Technology	2.109	2.491	2.312
(U) IO Technologies	0.259	0.260	0.270
(U) Management & Contract Support	1.623	1.550	1.585
(U) Test & Evaluation	0.600	0.600	0.600
(U) Total Cost	5.163	5.401	5.267

(U) <u>C. Other Program Funding Summary (\$ in Millions)</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>FY 2014</u>	<u>FY 2015</u>	<u>Cost to</u>	<u>Total Cost</u>	
	<u>Actual</u>	<u>Estimate</u>	<u>Complete</u>								
(U) Info Assurance R&D, Operations and Maintenance, AF PE (0305887F)	4.091	4.200	4.587	0.000	0.000	0.000	0.000	0.000	0.000	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).

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis

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<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 2008 Cost</u>	<u>FY 2008 Cost</u>	<u>FY 2008 Award Date</u>	<u>FY 2009 Cost</u>	<u>FY 2009 Award Date</u>	<u>FY 2010 Cost</u>	<u>FY 2010 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
<u>(U) Product Development</u> NAS Modifications/Upgrades	T&M	Various, Lackland AFB, TX	2.446	0.572	Nov-07	0.500	Nov-08	0.500	Nov-09	Continuing	TBD	TBD
NWOC Studies & Technology	IDIQ	Various	1.763	2.109	Jan-08	2.491	Jan-09	2.312	Jan-10	Continuing	TBD	TBD
IO Technologies	Various	Various		0.259	May-08	0.260	May-09	0.270	May-10	Continuing	TBD	TBD
Subtotal Product Development			4.209	2.940		3.251		3.082		Continuing	TBD	TBD
Remarks:												
<u>(U) Support</u> Acquisition Support	A&AS	Various, Lackland AFB, TX	1.203	0.655	Nov-07	0.700	Nov-08	0.725	Nov-09	Continuing	TBD	TBD
Engineering Support	FFRDC	MITRE, Lackland AFB, TX	0.644	0.572	Oct-07	0.600	Oct-08	0.625	Oct-09	Continuing	TBD	TBD
Subtotal Support			1.847	1.227		1.300		1.350		Continuing	TBD	TBD
Remarks:												
<u>(U) Test & Evaluation</u> 46th Test Squadron Det 2	T&M	Various, Lackland AFB, TX	0.693	0.600	Mar-08	0.600	Mar-09	0.600	Mar-10	Continuing	TBD	TBD
Subtotal Test & Evaluation			0.693	0.600		0.600		0.600		Continuing	TBD	TBD
Remarks:												
<u>(U) Management</u> Operating Costs	A&AS	950th ELSG, Hanscom AFB MA	0.319	0.396	Feb-08	0.250	Feb-09	0.235	Feb-10	Continuing	TBD	TBD
Subtotal Management			0.319	0.396		0.250		0.235		Continuing	TBD	TBD
Remarks:												
<u>(U) Total Cost</u>			7.068	5.163		5.401		5.267		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

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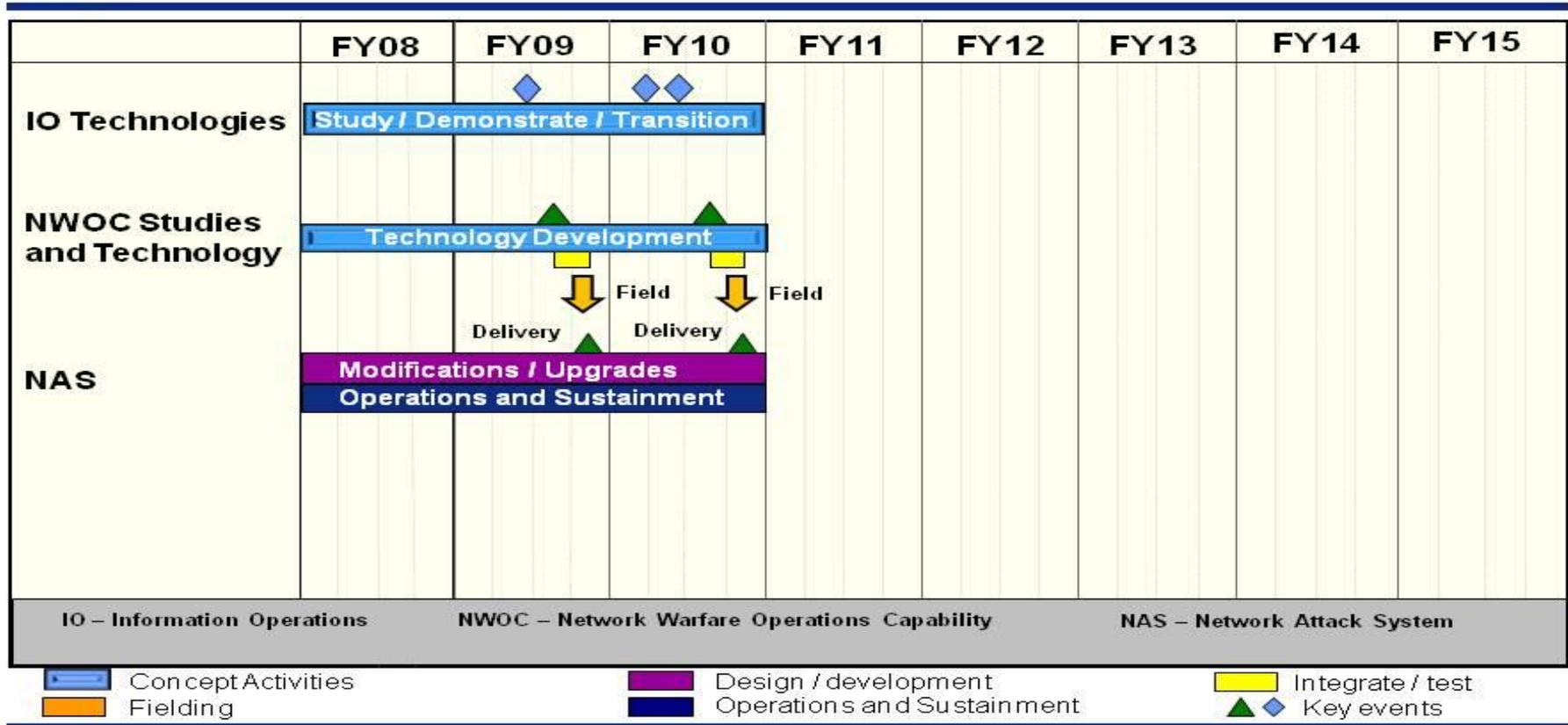
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IO Schedule



PB10 R-Docs

Exhibit R-4a, RDT&E Schedule Detail

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(U) Schedule Profile

FY 2008

FY 2009

FY 2010

(U) Network Attack System Modifications/Upgrades

1-4Q

1-4Q

1-4Q

(U) Network Warfare Operations Capability Studies and Technology

1-4Q

1-4Q

1-4Q

(U) IO Technologies

1-4Q

1-4Q

1-4Q

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