

UNCLASSIFIED

PE NUMBER: 0305887F

PE TITLE: Electronic Combat Intelligence Support

Exhibit R-2, RDT&E Budget Item Justification

DATE

February 2005

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0305887F Electronic Combat Intelligence Support

| Cost (\$ in Millions) | FY 2004 Actual | FY 2005 Estimate | FY 2006 Estimate | FY 2007 Estimate | FY 2008 Estimate | FY 2009 Estimate | FY 2010 Estimate | FY 2011 Estimate | Cost to Complete | Total |
|---|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------|
| Total Program Element (PE) Cost | 0.000 | 0.951 | 0.978 | 1.007 | 1.041 | 1.061 | 1.086 | 1.104 | Continuing | TBD |
| 0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt | 0.000 | 0.951 | 0.978 | 1.007 | 1.041 | 1.061 | 1.086 | 1.104 | Continuing | TBD |

FY04: Program content and funding transferred from PE 33140F-INFOSEC project 4871-Information Operations Technology, into PE 35887F-Electronic Combat Intel Support project 710T-Information Operations technology. This alignment better supports the RDT&E effort for information operations.

FY05: Under PE 35887F, the funding and content contained in project, 710T-Information Operations Technology, transferred to project 0374-Electronic Combat Intel Support, C3 Protection/Multi-Mission, Technology and Support. Project 710T will be closed.

(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. IS core capability areas to be considered are Computer Network Defense (CND), Electronic Warfare (EW), Psychological Operations (PSYOP), Operational Security (OPSEC), and Military Deception.

(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's 0208021 Information Warfare Support and 0307293 Information Operations Systems and Support. Some aspects of 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.

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

| | <u>FY 2004</u> | <u>FY 2005</u> | <u>FY 2006</u> | <u>FY 2007</u> |
|---|----------------|----------------|----------------|----------------|
| (U) Previous President's Budget | | 0.951 | 0.972 | 0.989 |
| (U) Current PBR/President's Budget | 0.000 | 0.951 | 0.978 | 1.007 |
| (U) Total Adjustments | 0.000 | 0.000 | | |
| (U) Congressional Program Reductions | | | | |
| Congressional Rescissions | | | | |
| Congressional Increases | | | | |
| Reprogrammings | | | | |
| SBIR/STTR Transfer | | | | |
| (U) <u>Significant Program Changes:</u> | | | | |

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Exhibit R-2a, RDT&E Project Justification

DATE

February 2005

| 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 2004 Actual | FY 2005 Estimate | FY 2006 Estimate | FY 2007 Estimate | FY 2008 Estimate | FY 2009 Estimate | FY 2010 Estimate | FY 2011 Estimate | Cost to Complete | Total |
| 0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt | 0.000 | 0.951 | 0.978 | 1.007 | 1.041 | 1.061 | 1.086 | 1.104 | Continuing | TBD |
| Quantity of RDT&E Articles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |

FY04: Program content and funding transferred from PE 33140F-INFOSEC project 4871-Information Operations Technology, into PE 35887F-Electronic Combat Intel Support project 710T-Information Operations technology. This alignment better supports the RDT&E effort for information operations.

FY05: Under PE 35887F, the funding and content contained in project, 710T-Information Operations Technology, has transferred to project 0374-Electronic Combat Intel Support, C3 Protection/Multi-Mission, Technology and Support. Project 710T will be closed.

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(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. IS core capability areas to be considered are Computer Network Defense (CND), Electronic Warfare (EW), Psychological Operations (PSYOP), Operational Security (OPSEC), and Military Deception.

(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.

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(U) This program funds studies to leverage current DoD lab efforts. Studies will be deconflicted with and will complement PE's 0208021 Information Warfare Support and 0307293 Information Operations Systems and Support. Some aspects of this program will be protected under the PANTHER DEN Special Access Program. Data available upon request.

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| | | | | | | | | | | |
|---|----------------|-----------------|-----------------|---|-----------------|-----------------|--|------------------------------|-----------------|-------------------|
| Exhibit R-2a, RDT&E Project Justification | | | | | | | | DATE February 2005 | | |
| 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) Total Cost | | | | 0.000 | | | 0.951 | 0.978 | 1.007 | |
| (U) <u>C. Other Program Funding Summary (\$ in Millions)</u> | | | | | | | | | | |
| | <u>FY 2004</u> | <u>FY 2005</u> | <u>FY 2006</u> | <u>FY 2007</u> | <u>FY 2008</u> | <u>FY 2009</u> | <u>FY 2010</u> | <u>FY 2011</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>Estimate</u> | <u>Complete</u> | |
| PE 28021 Information | | | | | | | | | | |
| (U) Warfare Support and (future PE) 37293 | 13.038 | 7.147 | 15.204 | 15.191 | 16.416 | 16.677 | 17.456 | 17.771 | Continuing | TBD |
| (U) <u>D. Acquisition Strategy</u> | | | | | | | | | | |
| 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) or Designated Approval Authority (DAA). | | | | | | | | | | |

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Exhibit R-3, RDT&E Project Cost Analysis

DATE

February 2005

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) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions) | <u>Contract</u> <u>Method &</u> <u>Type</u> | <u>Performing</u> <u>Activity &</u> <u>Location</u> | <u>Total</u> <u>Prior to FY</u> <u>2004</u> <u>Cost</u> | <u>FY 2004</u> <u>Cost</u> | <u>FY 2004</u> <u>Award</u> <u>Date</u> | <u>FY 2005</u> <u>Cost</u> | <u>FY 2005</u> <u>Award</u> <u>Date</u> | <u>FY 2006</u> <u>Cost</u> | <u>FY 2006</u> <u>Award</u> <u>Date</u> | <u>FY 2007</u> <u>Cost</u> | <u>FY 2007</u> <u>Award</u> <u>Date</u> | <u>Cost to</u> <u>Complete</u> | <u>Total Cost</u> | <u>Target</u> <u>Value of</u> <u>Contract</u> |
|---|---|---|--|-------------------------------|---|-------------------------------|---|-------------------------------|---|-------------------------------|---|-----------------------------------|-------------------|---|
| (U) <u>Product Development</u> Security Systems Engineering | CPFF | Lockheed Martin, Hanscom AFB MA | | | | 0.050 | Jun-05 | 0.050 | Jun-06 | 0.050 | Jun-07 | Continuing | TBD | TBD |
| Subtotal Product Development | | | 0.000 | 0.000 | | 0.050 | | 0.050 | | 0.050 | | Continuing | TBD | TBD |
| Remarks: | | | | | | | | | | | | | | |
| (U) <u>Support</u> Security Support | JTSP | Various, Hanscom AFB MA | | | | 0.400 | Jan-05 | 0.420 | Jan-06 | 0.458 | Jan-07 | Continuing | TBD | TBD |
| Engineering Support | FFRDC | MITRE, Bedford MA | | | | 0.175 | Oct-04 | 0.185 | Oct-05 | 0.195 | Oct-06 | Continuing | TBD | TBD |
| Subtotal Support | | | 0.000 | 0.000 | | 0.575 | | 0.605 | | 0.653 | | Continuing | TBD | TBD |
| Remarks: | | | | | | | | | | | | | | |
| (U) <u>Test & Evaluation</u> Funded Via Platform SPOs | | | | | | 0.000 | | 0.000 | | 0.000 | | | 0.000 | 0.000 |
| Subtotal Test & Evaluation | | | 0.000 | 0.000 | | 0.000 | | 0.000 | | 0.000 | | | 0.000 | 0.000 |
| Remarks: | | | | | | | | | | | | | | |
| (U) <u>Management</u> Operating Costs | | ESC/SRNW, Hanscom AFB MA | | | | 0.326 | N/A | 0.323 | N/A | 0.304 | N/A | Continuing | TBD | TBD |
| Subtotal Management | | | 0.000 | 0.000 | | 0.326 | | 0.323 | | 0.304 | | Continuing | TBD | TBD |
| Remarks: | | | | | | | | | | | | | | |
| (U) Total Cost | | | 0.000 | 0.000 | | 0.951 | | 0.978 | | 1.007 | | Continuing | TBD | TBD |

Exhibit R-4, RDT&E Schedule Profile

DATE

February 2005

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

| FY04 | FY05 | FY06 | FY07 | FY08 | FY09 | FY10 | FY11 |
|--|------|------|------|------|------|------|------|
| <p>THIS PROGRAM'S SCHEDULE IS PROTECTED UNDER A SPECIAL ACCESS PROGRAM CLASSIFICATION</p> | | | | | | | |

For Official Use Only

Project 0374

R-1 Shopping List - Item No. 204-6 of 204-7

Exhibit R-4 (PE 0305887F)

2008

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| Exhibit R-4a, RDT&E Schedule Detail | | | DATE February 2005 | |
|---|--|---|-----------------------|----------------|
| 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 | | |
| <div>(U) <u>Schedule Profile</u></div> <div>(U) Program schedules are classified under Special Access Program caveats</div> | | | | |
| | | <u>FY 2004</u> | <u>FY 2005</u> | <u>FY 2006</u> |
| | | | | <u>FY 2007</u> |

Project 0374

R-1 Shopping List - Item No. 204-7 of 204-7

Exhibit R-4a (PE 0305887F)