

| Exhibit R-2, RDT&E Budget Item Justification | | | | | | Date: February 2005 | | |
|--|---------|---------|---------|--|---------|---------------------|---------|---------|
| Appropriation/Budget Activity RDT&E Defense-Wide, BA 4 | | | | R-1 Item Nomenclature: Advanced Sensor Applications Program PE 0603714D8Z | | | | |
| Cost (\$ in millions) | FY 2004 | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 | FY 2010 | FY 2011 |
| Total PE Cost | 32.833 | 26.110 | 18.275 | 18.527 | 18.470 | 18.554 | 19.055 | 19.714 |
| A. Mission Description and Budget Item Justification: | | | | | | | | |
| <p>The program focuses on continued development of domestic technologies and assessment of foreign technologies that have demonstrated potential for improvements in U.S. capabilities. Unique and innovative approaches are used to expand the performance envelopes of existing systems. This program supports military requirements identified in Joint Vision 2010, the Defense Science and Technology Strategy, Full Spectrum Dominance and the Joint Warfighting Capability Objectives. This program is funded under Budget Activity 4, Demonstration and Validation because it supports advanced technology demonstrations that evaluate technology transition to operational use.</p> <p><u>Program Accomplishments and Plans:</u></p> <p>FY 2004 Accomplishments:</p> <ul style="list-style-type: none"> • Mission Support \$32.833 <p>FY 2005 Accomplishments:</p> <ul style="list-style-type: none"> • Mission Support \$26.110 <p>FY 2006 Plans:</p> <ul style="list-style-type: none"> • Mission Support \$18.275 <p>FY 2007 Plans:</p> <ul style="list-style-type: none"> • Mission Support \$18.527 | | | | | | | | |

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B. Program Change Summary: (Show total funding, schedule, and technical changes for the program element that have occurred since the previous President's Budget Submission)

| | <u>FY 2004</u> | <u>FY 2005</u> | <u>FY 2006</u> | <u>FY2007</u> |
|----------------------------------|----------------|----------------|----------------|---------------|
| Previous President's Budget | 32.983 | 17.581 | 17.863 | 18.175 |
| Current President's Budget | 32.833 | 26.110 | 18.275 | 18.527 |
| Total Adjustments | -0.150 | +8.529 | +0.412 | +0.352 |
| Congressional program reductions | | -0.621 | | |
| Congressional rescissions | | | | |
| Congressional increases | | +9.150 | | |
| Other adjustments | 0.150 | | +0.412 | +0.352 |

Change Summary Explanation:

FY 2004: Miscellaneous reductions \$0.150

FY 2005: Congressional adds \$9.150; Undistributed congressional reductions \$0.621

FY 2006: Department adjustments

FY 2007: Department adjustments

C. Other Program Funding Summary: Not Applicable

D. Acquisition Strategy: Not Applicable

E. Performance Metrics: Numbers of operational field demonstrations; actual/in-kind resource sharing differential among participating entities; numbers of studies produced; numbers of successful anomaly detections; numbers of false-positive results. Numbers of technology transfers.

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R-1 Shopping List Item No. 66

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