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|   |        |        |        |        |   |        |        |        |                   |            |
|---|--------|--------|--------|--------|---|--------|--------|--------|-------------------|------------|
| RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)                       |        |        |        |        |   |        |        |        | DATE<br>June 2001 |            |
| APPROPRIATION/BUDGET ACTIVITY<br><br>RDT&E,DEFENSE-WIDE/Budget Activity 4 |        |        |        |        | R-1 ITEM NOMENCLATURE<br>Program Element (PE) Name and No.<br><b>ADVANCED SENSOR APPLICATIONS PROGRAM</b><br><b>PE 0603714D8Z</b> |        |        |        |                   |            |
| COST ( <i>In Millions</i> )   | FY2000 | FY2001 | FY2002 | FY2003 | FY2004  | FY2005 | FY2006 | FY2007 | Cost to Complete  | Total Cost |
| Total Program Element (PE) Cost   | 26.862 | 38.010 | 15.780 |        |   |        |        |        | Continuing        | Continuing |
| Project Name/No. and Subtotal Cost<br>ASAP/P714                           | 26.862 | 38.010 | 15.780 |        |   |        |        |        | Continuing        | Continuing |

**A. Mission Description and Budget Item Justification**

**Brief Description of Element:** The program focuses on continued development of domestic and assessment of foreign technology that has 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.

**Program Accomplishments and Plans:**

**FY 2000 Accomplishments:**

- Mission Support (26.862 million)

**FY 2001 Plans:**

- Mission Support (38.010 million)

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| RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)                      |   | DATE<br>June 2001 |
| APPROPRIATION/BUDGET ACTIVITY<br><br>RDT&E,DEFENSE WIDE/BudgetActivity 4 | R-1 ITEM NOMENCLATURE<br>Program Element (PE) Name and No.<br><b>PE 0603714D8Z</b><br><b>ADVANCED SENSOR APPLICATIONS PROGRAM</b> |                   |

**FY 2002 Plans:**

- Mission Support (15.780 million)

| <b>B. <u>Program Change Summary</u></b> | <u>FY2000</u> | <u>FY2001</u> | <u>FY2002</u> | Total<br>Cost |
|---|---------------|---------------|---------------|---------------|
| Previous President's Budget Submit      | 26.862        | 38.066        | 15.691        | Continuing    |
| Appropriated Value                      |               |               |               |               |
| Adjustments to Appropriated Value       |               |               |               |               |
| a. Internal Reprogramming.              |               |               |               |               |
| b. Below threshold program adjustments  |               | (.056)        |               |               |
| c. Inflation Adjustment                 |               |               | .089          |               |
| President's Budget Submission           | 26.862        | 38.010        | 15.780        | Continuing    |

**Change Summary Explanation:**  
Program adjustment.

**C. Other Program Funding Summary:** N/A

**D. Schedule Profile:** N/A

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| RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3) |                |  | DATE<br>June 2001 |
|--|----------------|--|-------------------|
| APPROPRIATION/BUDGET ACTIVITY<br>RDT&E,DW/BA 4     |                | R-1 ITEM NOMENCLATURE/PE NUMBER/PROJECT NO.<br>ADVANCED SENSOR APPLICATIONS PROGRAM PE<br>0603714D8Z/ P714 |                   |
| A. <u>Project Cost Breakdown</u>                   |                | (\$ in Thousands)  |                   |
| Project Categories                                 | <u>FY 2000</u> | <u>FY 2001</u>   | <u>FY 2002</u>    |
| a. Salaries/Benefits                               | 419            |  |                   |
| b. Primary Hardware Development                    |                |  |                   |
| c. Ancillary Hardware Development                  |                |  |                   |
| d. Development Support Equipment Acquisition       | 60             |  |                   |
| e. Research Support Equipment Acquisition          | 1,949          | 9,575  | 882               |
| f. Software Development                            | 1,346          | 1,500  | 1,350             |
| g. Licenses  | 346            | 238  | 223               |
| h. Systems Engineering                             | 1,829          | 1,170  | 820               |
| i. Training Development                            | 110            | 600  |                   |
| j. Integrated Logistics Support                    | 303            | 420  | 274               |
| k. Quality Assurance                               | 260            | 260  | 260               |
| l. Reliability, Maintainability & Availability     | 520            | 544  | 544               |
| m. Configuration Management                        | 755            | 752  | 770               |
| n. Technical Data                                  | 8,517          | 7,423  | 5,168             |
| o. Development Test & Evaluation                   | 4,719          | 7,385  | 2,295             |
| p. Operational Test & Evaluation                   | 750            | 300  |                   |
| q. Contractor Engineering Support                  | 1,020          | 841  | 212               |
| r. Government Engineering Support                  | 301            | 2,082  |                   |
| s. Program Management Support                      | 1,050          | 786  | 292               |
| u. Travel  | 150            | 120  | 350               |
| v. Research Personnel                              | 1,603          | 4,000  | 1,575             |
| w. Miscellaneous (less than 15%)                   | 855            | 25   | 765               |
| <b>Total</b>                                       | <b>26,862</b>  | <b>38,021</b>  | <b>15,780</b>     |

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| RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)                                    |               |               |                |   |               | DATE<br>June 2001 |
|---|---------------|---------------|----------------|---|---------------|-------------------|
| APPROPRIATION/BUDGET ACTIVITY<br>RDT&E/BA 4   |               |               |                | R-1 ITEM NOMENCLATURE/PE NUMBER/PROJECT NO.<br>ADVANCED SENSOR APPLICATIONS PROGRAM<br>PE 0603714D8Z/P714 |               |                   |
| C. <u>Funding Profile</u> Fiscal Year actual and planned obligations and expenditures |               |               |                |   |               |                   |
| Funds Profile   | <u>PY Obs</u> | <u>CY Obs</u> | <u>BY1 Obs</u> | <u>PY Exp</u>   | <u>CY Exp</u> | <u>BY1 Exp</u>    |
| PYQ1  | 2,794         |               |                | 414   |               |                   |
| PYQ2  | 12,630        |               |                | 358   |               |                   |
| PYQ3  | 4,928         |               |                | 2,049   |               |                   |
| PYQ4  | 6,510         |               |                | 5,229   |               |                   |
| <b>PYTot</b>  | <b>26,862</b> |               |                | <b>8,050</b>  |               |                   |
| CYQ1  |               | 10,838        |                | 3,244   | 3,214         |                   |
| CYQ2  |               | 21,796        |                | 4,338   | 5,634         |                   |
| CYQ3  |               | 5,387         |                | 5,861   | 6,809         |                   |
| CYQ4  |               |               |                | 5,369   | 8,243         |                   |
| <b>CYTot</b>  |               | <b>38,021</b> |                | <b>18,812</b>   | <b>23,900</b> |                   |
| BY1Q1   |               |               | 10,750         |   | 6,514         | 3,150             |
| BY1Q2   |               |               | 4,691          |   | 4,635         | 2,657             |
| BY1Q3   |               |               | 250            |   | 2,010         | 1,172             |
| BY1Q4   |               |               | 89             |   | 951           | 2,948             |
| <b>BY1Tot</b>   |               |               | <b>15,780</b>  |   | <b>14,121</b> | <b>9,927</b>      |
| BY2Q1   |               |               |                |   |               | 3,067             |
| BY2Q2   |               |               |                |   |               | 1,868             |
| BY2Q3   |               |               |                |   |               | 829               |
| BY2Q4   |               |               |                |   |               | 89                |
| <b>BY2Tot</b>   |               |               |                |   |               | <b>5,583</b>      |
| <b>Total of fiscal year</b>   | <b>26,862</b> | <b>38,021</b> | <b>15,780</b>  | <b>26,862</b>   | <b>38,010</b> | <b>15,780</b>     |

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