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|--|---------|---------|--------------|--|---------------|--------------|-------------|---------------|---------------------|------------------|------------|
| Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force | | | | | | | | | DATE: February 2012 | | |
| APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development | | | | R-1 ITEM NOMENCLATURE PE 0207040F: Multi-Platform Electronics | | | | | | | |
| COST (\$ in Millions) | FY 2011 | FY 2012 | FY 2013 Base | FY 2013 OCO | FY 2013 Total | FY 2014 | FY 2015 | FY 2016 | FY 2017 | Cost To Complete | Total Cost |
| Total Program Element | 15.045 | - | 49.848 | - | 49.848 | - | - | - | - | Continuing | Continuing |
| 675310: EA Pod DRFM Upgrade | 15.045 | - | 49.848 | - | 49.848 | - | - | - | - | Continuing | Continuing |
| Quantity of RDT&E Articles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| A. Mission Description and Budget Item Justification | | | | | | | | | | | |
| Overall, this program element(PE)funds on-going sustainment, maintenance, and upgrade of Multi-Platform Electronic Attack (EA) jamming pods and associated combat test equipment as well as sustainment of various other Electronic Warfare equipment. Specifically, this program provides procurement, research and development, and operations and maintenance for sustaining the ALQ-131 and ALQ-184 EA jamming pods. These pods are the sole self-protection jamming systems for US Air Force A-10 aircraft and most models of the F-16 aircraft. This upgrade to the electronic attack pod is necessary to keep pace with adversary technological advances in surface-to-air and air-to-air missile systems. Digital Radio Frequency Memory (DRFM) allows an electronic system to digitally record and store characteristics of received signals in order to produce a jamming pulse that more precisely replicates the threat systems pulse. With the current/near term threat systems the A-10 and F-16 are likely to encounter, this level of fidelity is necessary to effectively protect these aircraft in this increasingly lethal environment. This PE is in Budget Activity 7 - Operational System Development because it supports upgrade development of the A-10 and F-16 EA pods which are fielded system. | | | | | | | | | | | |
| B. Program Change Summary (\$ in Millions) | | | | FY 2011 | FY 2012 | FY 2013 Base | FY 2013 OCO | FY 2013 Total | | | |
| Previous President's Budget | | | | 15.574 | - | - | - | - | | | |
| Current President's Budget | | | | 15.045 | - | 49.848 | - | 49.848 | | | |
| Total Adjustments | | | | -0.529 | - | 49.848 | - | 49.848 | | | |
| • Congressional General Reductions | | | | - | - | | | | | | |
| • Congressional Directed Reductions | | | | - | - | | | | | | |
| • Congressional Rescissions | | | | - | - | | | | | | |
| • Congressional Adds | | | | - | - | | | | | | |
| • Congressional Directed Transfers | | | | - | - | | | | | | |
| • Reprogrammings | | | | - | - | | | | | | |
| • SBIR/STTR Transfer | | | | -0.450 | - | | | | | | |
| • Other Adjustments | | | | -0.079 | - | 49.848 | - | 49.848 | | | |
| Change Summary Explanation | | | | | | | | | | | |
| FY11: Adjustments (Cong General Reductions -\$0.79). | | | | | | | | | | | |
| C. Accomplishments/Planned Programs (\$ in Millions) | | | | | | | | | FY 2011 | FY 2012 | FY 2013 |
| Title: Pod Upgrade Program | | | | | | | | | 15.045 | - | 49.848 |

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force | | | | | | | | | | DATE: February 2012 | |
| APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i> | | | | | R-1 ITEM NOMENCLATURE PE 0207040F: <i>Multi-Platform Electronics</i> | | | | | | |

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|--|----------------|----------------|----------------|
| C. Accomplishments/Planned Programs (\$ in Millions) | FY 2011 | FY 2012 | FY 2013 |
| Description: Electronic Attack Pod DRFM Upgrade SDD FY 2011 Accomplishments: Continue development of electronic attack pod upggrade. FY 2012 Plans: Not Applicable. FY 2013 Plans: Continue development of electronic attack pod upggrade. | | | |
| Accomplishments/Planned Programs Subtotals | 15.045 | - | 49.848 |

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|--|----------------|----------------|-------------------------------|------------------------------|--------------------------------|----------------|----------------|----------------|----------------|-----------------------------------|-------------------|
| D. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | |
| <u>Line Item</u> | <u>FY 2011</u> | <u>FY 2012</u> | <u>FY 2013</u> <u>Base</u> | <u>FY 2013</u> <u>OCO</u> | <u>FY 2013</u> <u>Total</u> | <u>FY 2014</u> | <u>FY 2015</u> | <u>FY 2016</u> | <u>FY 2017</u> | <u>Cost To</u> <u>Complete</u> | <u>Total Cost</u> |
| • N/A: N/A | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | Continuing | Continuing |

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| E. Acquisition Strategy |
| All major contracts within this project will be awarded through full and open competition. |

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| F. Performance Metrics |
| Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission. |

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| Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force | | DATE: February 2012 |
| APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development | R-1 ITEM NOMENCLATURE PE 0207040F: Multi-Platform Electronics | PROJECT 675310: EA Pod DRFM Upgrade |
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| Exhibit R-4A, RDT&E Schedule Details: PB 2013 Air Force | | | DATE: February 2012 |
| APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i> | R-1 ITEM NOMENCLATURE PE 0207040F: <i>Multi-Platform Electronics</i> | PROJECT 675310: <i>EA Pod DRFM Upgrade</i> | |

Schedule Details

| Events | Start | | End | |
|-------------------------------------|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| Developmental Testing | 1 | 2013 | 3 | 2013 |
| Operational Testing | 3 | 2013 | 1 | 2014 |
| Delivery and Retrofit of Pods Start | 3 | 2013 | 4 | 2017 |