

CLASSIFICATION:

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A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

JASSM is an Air Force program designated ACAT 1C by the Defense Acquisition Board (DAB) during the Low Rate Initial Production (LRIP) decision. This program provides an affordable long range, conventional air-to-surface, autonomous, precision guided, standoff cruise missile compatible with fighter and bomber aircraft and able to attack a variety of fixed or relocatable targets. Aircraft integration is complete on the B-52H, F-16 (Block 50), B-1, and B-2. Objective aircraft include the F-15E, F-16 (Block 40), F-117, and F/A-18E/F. The JASSM-ER increased standoff range will allow us to attack high value targets with precision, deeper into enemy territory while minimizing the threat to the launch aircraft. The threshold integration platform for JASSM-ER is the B-1. Follow-on development/component upgrades include two-way communications and time sensitive targeting (e.g. Data Link) capabilities. The government is buying the JASSM system based on a contractor-developed, government-approved System Performance Specification (SPS) which became contractually binding at downselect. The contractor assumes Total System Performance Responsibility (TSPR) as defined in the SPS and warrants system performance for 15 years. In late Summer/Fall 2004, OSD/Air Force convened an independent Reliability Enhancement Team (RET) to review JASSM processes and system engineering procedures, and to investigate reliability/quality initiatives. The Air Force is implementing RET recommendations through a combination of detailed design analysis, production quality reviews, and comprehensive ground and flight testing. This activity is reflected in Budget Activity 7, Operational Systems Development, because production (Low Rate Initial Production) started in FY02.

The F/A-18E/F, F/A-18C/D, S-3, P-3 and JSF were designated as Navy objective platforms for JASSM. Carrier Operability is one of the Key Performance Parameters (KPP) for JASSM. The Navy funding only provided for unique testing for the Carrier Operability KPP and integration aboard the Navy F/A-18E/F including mission planning. Due to higher Navy priorities and redundancy in mission, Navy participation in JASSM was terminated in FY05.

FY05 funds are required for termination liabilities (contractor and service commitments).

R-1 SHOPPING LIST - Item No.

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Exhibit R-2, RD TEN Budget Item Justification
(Exhibit R-2, page 1 of 5)

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|--|---|---------|---------|---------|---|---------|-------------------------------|---------|
| EXHIBIT R-2a, RDT&E Project Justification | | | | | | | DATE: February 2006 | |
| APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-05 | PROGRAM ELEMENT NUMBER AND NAME 0604312N Tri-Service Standoff Attack Missile (TSSAM) | | | | PROJECT NUMBER AND NAME 2242 Joint Air-to-Surface Standoff Missile (JASSM) | | | |
| COST (\$ in Millions) | | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 | FY 2010 | FY 2011 |
| Project Cost | | 26.497 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| RDT&E Articles Qty | | | | | | | | |

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| B. Accomplishments/Planned Program | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 30%;"></th><th style="width: 10%;"></th><th style="width: 15%;">FY 05</th><th style="width: 15%;">FY 06</th><th style="width: 15%;">FY 07</th></tr></thead><tbody><tr><td>F/A-18 E/F JASSM Integration</td><td></td><td style="text-align: center;">9.997</td><td style="text-align: center;">0.000</td><td style="text-align: center;">0.000</td></tr><tr><td>RDT&E Articles Quantity</td><td></td><td></td><td></td><td></td></tr></tbody></table> | | | | | | | FY 05 | FY 06 | FY 07 | F/A-18 E/F JASSM Integration | | 9.997 | 0.000 | 0.000 | RDT&E Articles Quantity | | | | |
| | | FY 05 | FY 06 | FY 07 | | | | | | | | | | | | | | | |
| F/A-18 E/F JASSM Integration | | 9.997 | 0.000 | 0.000 | | | | | | | | | | | | | | | |
| RDT&E Articles Quantity | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 5px;"><p>F/A-18E/F integration to include Wind Tunnel tests, Carrier Suitability, Noise and Vibrations, Flying Qualities, Separation, E3, Performance Flight tests, Structural tests and purchase of test assets. Perform systems engineering, mission support, and Integrated Logistics Support (ILS) in order to achieve a successful Operational Test and Initial Operational Capability. Integration on the F/A-18E/F includes aircraft Operational Flight Program (OFP) development, software development, test, verification and validation to implement the JASSM missile in software build H5. Program is terminated in FY2005. FY2005 funding remains to pay termination liability costs.</p></div> | | | | | | | | | | | | | | | | | | | |
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| | | FY 05 | FY 06 | FY 07 | | | | | | | | | | | | | | | |
| JASSM PTM to PC Migration | | 16.500 | 0.000 | 0.000 | | | | | | | | | | | | | | | |
| RDT&E Articles Quantity | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 5px;"><p>JASSM Mission Planning efforts. The USAF is paying for the Joint Mission Planning System Unique Product Code development and integration. Navy is paying for the JASSM Precision Terminal Module to Personal Computer (PTM to PC) efforts. FY05 funding pays the remaining efforts to complete the contracted PTM to PC efforts as part of the Navy's termination agreement.</p></div> | | | | | | | | | | | | | | | | | | | |
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| RDT&E Articles Quantity | | | | | | | | | | | | | | | | | | | |
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C. PROGRAM CHANGE SUMMARY:

| Funding: | FY 05 | FY 06 | FY 07 |
|--|--------|-------|-------|
| Previous President's Budget: | 27.041 | 0.000 | 0.000 |
| Current President's Budget: | 26.497 | 0.000 | 0.000 |
| Total Adjustments | -0.544 | 0.000 | 0.000 |
| Summary of Adjustments | | | |
| Congressional Reductions | | | |
| Congressional Rescissions | | | |
| Congressional Undistributed Reductions | -0.550 | | |
| Congressional Increases | | | |
| Economic Assumptions | | | |
| Miscellaneous Adjustments | 0.006 | | |
| Subtotal | -0.544 | 0.000 | 0.000 |

Schedule:

Due to higher Navy priorities, Navy participation in JASSM was terminated in FY05.

Technical:

Not applicable.

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D. OTHER PROGRAM FUNDING SUMMARY:

| Line Item No. & Name | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 | FY 2010 | FY 2011 | To Complete | Total Cost |
|--|---------|---------|---------|---------|---------|---------|---------|----------------|---------------|
| USAF MPAF | 136.388 | 98.676 | 184.191 | 233.799 | 342.978 | 292.41 | 203.984 | 2,137.961 | 3,825.643 |
| USAF, RDT&E U.S. Air Force P.E. 0207325F Joint Air to Surface Standoff Missile (JASSM) Extended Range (ER) | 43.298 | 66.042 | 40.881 | 9.935 | | | | | 1,063.806 |

E. ACQUISITION STRATEGY:

All major contracts within the program were awarded through full and open competition. The EMD phase option for JASSM is Cost Plus Award Fee (CPAF). This contract type provides the Government the flexibility to periodically evaluate contractor performance while motivating the contractor to execute a successful program with emphasis on EMD schedule, system performance, and management effectiveness. JASSM is an OSD flagship program under Cost as An Independent Variable (CAIV). This allows the contractor to have maximum trade space to develop an affordable missile that meets the four Key Performance Parameters. Under CAIV, the program maintains a threshold Average Unit Procurement Price (AUPP) of \$700,000 (BY95\$) and an objective AUPP of \$400,000 (BY95\$). The Government is buying the JASSM system based on a contractor developed, government-approved System Performance Specification (SPS) which became contractually binding at downselect. The contractor assumes Total System Performance Reliability (TSPR) as defined in the SPS and warrants system performance for 15 years. Accordingly, the contractor is responsible not only for the design of the missile system, but also for planning and executing the Development Test and Evaluation (DT&E) program to verify the missile system performance. In its role as facilitator and advisor to the contractor, the Government formally arranges and funds the use of Government flight test support for DT&E. Although funded by the Government, flight test support funds are part of the negotiated commitment between the contractor and the Government ensuring the contractor is able to execute the DT&E program according to the scope of the EMD contract.

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