

| Exhibit R-2, RDT&E Budget Item Justification | | | | | | | | February 2002 | | |
|---|---------|---------|---------|---------|--|---------|---------|------------------|------------------|------------|
| DEFENSE-WIDE, RDT&E (0400) BUDGET ACTIVITY SIX | | | | | DEVELOPMENTAL TEST & EVALUATION PE 0605804D | | | | | |
| COST (\$ in Millions) | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | FY 2006 | FY 2007 | Cost to Complete | Cost to Complete | Total Cost |
| PE 0605804D | 43.510 | 45.829 | 48.913 | 49.284 | 49.554 | 50.263 | 51.510 | Cont'g | Cont'g | Cont'g |
| *-FY2000 appropriation was under Director, Test & Evaluation, Defense (0450) for FY2000 and prior years. Beginning with FY2001, appropriation was transferred to Defense-wide RDT&E (0400). | | | | | | | | | | |
| <u>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</u> | | | | | | | | | | |
| <u>(U) BRIEF DESCRIPTION OF ELEMENT:</u> | | | | | | | | | | |
| JT&E programs are process, rather than product, focused T&E activities conducted in a joint military environment. These multi-Service programs, chartered by OSD and coordinated with the Joint Staff and Services, provide improvements in interoperability of Service systems, improvements in technical and operational concepts, solutions to joint operational issues, development and validation of joint test methodologies, and data for validating models, simulations and test beds. JT&E programs solve relevant Warfighter issues in a joint T&E environment, develop and improve Joint Test Capabilities and Methodologies. | | | | | | | | | | |
| This Research Category 6.5 PE supports technical analysis and evaluation by DT&E of the Department's weapons systems to determine the adequacy of system test program structure and development plans, substantiation of technical performance requirements achievement, identification of weapon system cost performance trade-offs/design risks, system certification for OT&E, and ensures DT&E Programs are sound, well-executed and sufficiently address system's ability to meet Warfighter's needs. | | | | | | | | | | |
| <u>(U) PROGRAM ACCOMPLISHMENTS AND PLANS:</u> | | | | | | | | | | |
| <u>(U) FY 2001 Accomplishments:</u> | | | | | | | | | | |
| <u>JT&E Programs:</u> | | | | | | | | | | |
| <ul style="list-style-type: none"> - Completed Joint Suppression of Enemy Air Defense (JSEAD), conducted outbriefings, distributed the final report, and transitioned legacy products. - Continued Joint WarFighter (JWF), Joint Close Air Support (JCAS), Joint Theater Distribution (JTD), Joint Shipboard Helicopter Integration Process (JSHIP), Joint Global Positioning System Combat Effectiveness (JGPSCE), and Joint Cruise Missile Defense (JCMD) testing. - Chartered the Joint C2 Intelligence, Surveillance and Reconnaissance (JC2ISR) and Joint Battle Damage Assessment (JBDA) test projects and commenced testing activities. - Determined through SAC prioritization the FY 2000 Feasibility Studies: Joint UAV for Time Sensitive Operations (JUAV-TSO) and Joint C4ISR Outcome-based Integrated Architecture Assessment (JCOBIAA) were necessary and feasible for chartering as JT&Es. - Conducted the FY 2001 JT&E annual nomination review, and are determined that Joint Battlespace Integration Test (JBIT) and Joint Versatile Information System On-Line (JVISION) proposals will be directed as Feasibility Studies for conduct in FY 2002. | | | | | | | | | | |

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T&E Independent Activities:

- Review, coordination, and approval of 48 Test and Evaluation Master Plans (TEMPs) (Draft and Service Approved).
- Review and coordination on all significant program documentation to include: 395 Defense Acquisition Executive Summaries (DAES); 48 Acquisition Decision Memoranda (ADM); and, 1587 Other Documents Reviewed.
- Analyses of programs for compliance with DT&E policies identified in the DoD 5000 acquisition policy and monitoring of on-going developmental test program activities through participation in 660 local and 273 out-of-town developmental test program fora.
- Completed Commercial Test & Evaluation "Best Practices" Study. Used results in a "Best Practices Workshop" in FY2001. Initiated follow-on study to determine the utility of the results and those best practices that should be adopted by the Department.

(U) FY 2002 Plans:**JT&E Programs:**

- Oversight of the JT&E programs.
- Complete JWF, conduct the outbriefings, distribute the final report, and transition legacy products.
- Continue JTD, JCAS, JSHIP, JGPSCE, JCMD, JBDA, JC2ISR, JUAV-TSO, and Joint Methodology to Assess C4ISR Architecture (JMACA) (formally JCOBIAA) testing.
- Charter the SAC prioritized FY 2001 Feasibility Studies as Joint Tests and commence testing activities.
- Conduct SAC prioritized FY 2001 Feasibility Studies.
- Conduct JT&E annual review of nominations for potential feasibility studies for conduct in FY 2003.
- Determine through SAC prioritization the FY 2002 Feasibility Studies.

T&E Independent Activities: Includes funding for technical analysis and evaluation of the developmental testing of the more than 220 major weapon acquisition programs. Specifically, the DT&E organization, within S&TS, is the USD(AT&L) focal point for all activities related to developmental test and evaluation as outlined in Section 133, Title 10, United States Code. T&E Independent Activities include funding for:

- Analyses of programs for compliance with DT policies identified in the DoD 5000 acquisition policy.
- Determining the adequacy of system test program structure and development plans and substantiation of technical performance requirements achievement, identification of weapon system cost performance trade-offs/design risks, and system certification of OT&E.
- Review, coordination, and approval of Test and Evaluation Master Plans (TEMPs).
- Monitoring of on-going developmental test program activities.
- Review and coordination on all significant program documentation.
- Recommend improvements to strengthen DT&E and provide necessary information/advice to DoD Acquisition decision-makers.

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(U) FY 2003 Plans:**JT&E Programs:**

- Oversight of the JT&E programs.
- Complete JTD, JCAS and JSHIP, conduct outbriefings, distribute the final reports, and transition legacy products.
- Continue JGPSCE, JBDA, JC2ISR, JCMD JUAV-TSO, JMACA and SAC-prioritized FY 2002 joint tests.
- Charter the SAC prioritized FY 2002 Feasibility Studies as Joint Tests and commence testing activities.
- Conduct SAC prioritized FY 2002 Feasibility Studies.
- Conduct JT&E annual review of nominations for potential feasibility studies for conduct in FY 2004.
- Determine through SAC prioritization the FY 2003 Feasibility Studies.

T&E Independent Activities: Includes funding for technical analysis and evaluation of the developmental testing of the more than 220 major weapon acquisition programs. Specifically, the DT&E organization, within S&TS, is the USD(AT&L) focal point for all activities related to developmental test and evaluation as outlined in Section 133, Title 10, United States Code. T&E Independent Activities include funding for:

- Analyses of programs for compliance with DT policies identified in the DoD 5000 acquisition policy.
- Determining the adequacy of system test program structure and development plans and substantiation of technical performance requirements achievement, identification of weapon system cost performance trade-offs/design risks, and system certification of OT&E.
- Review, coordination, and approval of Test and Evaluation Master Plans (TEMPs).
- Monitoring of on-going developmental test program activities.
- Review and coordination on all significant program documentation.
- Recommend improvements to strengthen DT&E and provide necessary information/advice to DoD Acquisition decision-makers.

(U) FY 2004 Plans:**JT&E Programs:**

- Oversight of the JT&E programs.
- Complete JGPSCE, conduct outbriefings, distribute the final reports, and transition legacy products.
- Continue JCMD, JBDA, JC2ISR, JUAV-TSO, JMACA and SAC-prioritized FY 2002 and FY 2003 joint tests.
- Charter the SAC prioritized FY 2003 Feasibility Studies as Joint Tests and commence testing activities.
- Conduct SAC prioritized FY 2003 Feasibility Studies.
- Conduct JT&E annual review of nominations for potential feasibility studies for conduct in FY 2005.
- Determine through SAC prioritization the FY 2004 Feasibility Studies.

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| <p><u>T&E Independent Activities:</u> Includes funding for technical analysis and evaluation of the developmental testing of the more than 220 major weapon acquisition programs. Specifically, the DT&E organization, within S&TS, is the USD(AT&L) focal point for all activities related to developmental test and evaluation as outlined in Section 133, Title 10, United States Code. T&E Independent Activities include funding for:</p> <ul style="list-style-type: none"> - Analyses of programs for compliance with DT policies identified in the DoD 5000 acquisition policy. - Determining the adequacy of system test program structure and development plans and substantiation of technical performance requirements achievement, identification of weapon system cost performance trade-offs/design risks, and system certification of OT&E. - Review, coordination, and approval of Test and Evaluation Master Plans (TEMPs). - Monitoring of on-going developmental test program activities. - Review and coordination on all significant program documentation. - Recommend improvements to strengthen DT&E and provide necessary information/advice to DoD Acquisition decision-makers. | | | | |
| B. <u>PROGRAM CHANGE SUMMARY (\$ MILLION):</u> | | | | |
| | <u>FY2001</u> | <u>FY2002</u> | <u>FY2003</u> | <u>Total Cost</u> |
| Previous President's Budget Submit | 43.510 | 44.382 | 46.449 | Continuing |
| Delta | 0.000 | +2.000 | +2.600 | |
| FY02 Amended PB Submission | 43.510 | 46.382 | 49.049 | |
| Appropriated Value | 43.510 | 46.382 | 49.049 | |
| Adjustments to Appropriated Value | | | | |
| a. Congressionally Directed | | | | |
| Undistributed Reduction | | | | |
| b. Rescission/Below-threshold | | | | |
| Reprogramming, Inflation Adjustment | | | | |
| c. Other | 0.000 | - 0.553 | - 0.136 | |
| Current Budget Submit/President's Budget | 43.510 | 45.829 | 48.913 | Continuing |
| C. <u>OTHER PROGRAM FUNDING SUMMARY:</u> N/A | | | | |