

Exhibit R-2, RDT&E Budget Item Justification

Date: February 2005

DEFENSE-WIDE, RDT&E (400) BUDGET ACTIVITY SIX					DEVELOPMENTAL TEST AND EVALUATION PE 0605804D8Z			
Cost (\$ in millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total PE Cost	11,119	8,676	8,873	9,060	9,473	9,498	9,692	9,913

A. Mission Description and Budget Item Justification: This Research Category 6.5 Program Element supports technical analysis and evaluation by Developmental Test & Evaluation (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 Operational Test & Evaluation, and ensures DT&E Programs are sound, well-executed and sufficiently address system's ability to meet Warfighter's needs.

B. Program Change Summary:

	FY 2004	FY 2005	FY 2006	FY 2007
Previous President's Budget	8.808	8.882	8.962	9.143
Current FY 2006 President's Budget Submission:	11.119	8.676	8.873	9.060
Total Adjustments	+2.311	-0.206	-0.089	-0.083
Congressional program reductions	-0.266	-0.206		
Congressional rescissions				
Congressional increases				
Reprogrammings	+2.800			
SBIR / STTR Transfer	-0.223			
Other:			-0.089	-0.083

C. Other Program Funding Summary: N/A

D. Acquisition Strategy: N/A

E. Performance Metrics: Performance in this program is monitored using instances of the incorporation of DT&E policies, best practices, procedures, methods, and tools for the conduct of sound, well-executed developmental test programs; completion of rebaselining DAU T&E certification courses; completion of a DoD M&S Master Plan for Acquisition; and development of an OTRR readiness evaluation process.

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Exhibit R-2a, RDT&E Project Justification

February 2005

DEFENSE-WIDE, RDT&E (400) BUDGET ACTIVITY SIX				DEVELOPMENTAL TEST AND EVALUATION PE 0605804D8Z				
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Developmental Test and Evaluation	11,119	8,676	8,873	9,060	9,473	9,498	9,692	9,913

A. Mission Description and Budget Item Justification: This Research Category 6.5 PE supports technical analysis and evaluation by Developmental Test and Evaluation (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 Operational Test and Evaluation (OT&E), and ensures DT&E Programs are sound, well-executed and sufficiently address system's ability to meet Warfighter’s needs.

B. Accomplishments/Planned Program:

	FY 2004	FY 2005	FY 2006	FY 2007
Accomplishment/Effort/Cost	11,119	8,676	8,873	9,060

(U) FY 2004 Accomplishments:

T&E Independent Activities:

- Review, coordination, and approval of 49 Test and Evaluation Master Plans (TEMPs) (Draft and Service Approved). Reduced Departmental TEMP processing time 12% over previous year.
- Review and coordination on all significant program documentation to include: Defense Acquisition Executive Summaries (DAES); Acquisition Decision Memoranda (ADM); and, other documents.
- Analyses of programs for compliance with DT&E policies identified in DoD 5000 acquisition policy, and monitoring of on-going developmental test program activities, through participation in local and out-of-town developmental test program fora.
- Defined vigorous and well-executed test programs, and requirements for conducting more robust Operational Test Readiness Reviews across the DoD, through development of T&E chapter of new DoD 5000 Series Guidebook.
- Comprehensive, detailed review of F/A-22 test program readiness to enter IOT&E identified areas needing additional testing. This resulted in USD(AT&L) direction to Air Force to complete that testing to ensure successful IOT&E.
- Kept leadership aware of V-22 progress and emerging issues, with no surprises. Ensured Navy had rigorous plan to resolve software technical problem. V-22 test program remains event driven—increased likelihood of IOT&E success.
- Laid out alternatives, justification, and rationale why testing and maintaining the Self Defense Test Ship (SDTS) capability is critical, resulting in USD(AT&L) directing Navy to fund SDTS and incorporate this testing into ship programs as a core test resource for critical defensive system testing by multiple ship systems in development.
- Ensured DTRMC Budget Certification Report and Strategic Plan clearly defined acquisition and DT&E community needs and requirements.

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- Identified issues with Services' aerial target capabilities and availability, resulting in USD(AT&L) direction to Air Force and Navy to develop plans to reduce shortfalls in these critical test assets.
- Ensured Navy had rigorous plan to resolve V-22 software technical problem. V-22 test program remains event driven—increased likelihood of IOT&E success.
- Led effort to identify actions necessary to move Joint Distributed Engineering Plant program forward. Enhanced likelihood that key capability needed to support Department joint mission capability will be accomplished.

(U) FY 2005 Plans:

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 Defense Systems, 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.

- Develop plan to expand Joint Distributed Engineering Plant (JDEP). Investigate JUCAS JDEP plan.
- Provide for a professional SE workforce by rebaselining DAU T&E certification courses and updating DAU TST 301 course. Lead T&E FIPT.
- Participate in M&S / EXCIMS / Working Groups. Review DoD M&S Master Plan for Acquisition.
- Develop OTRR readiness evaluation Process.
- Participate in Business Initiative Council (BIC) on TEMP preparation, review, and approval process by developing streamlined coordination and approval process for OSD. Assess integration of a common Test and Training Enabling Architecture into all new range systems.
- Improve and expand industry and professional association (ITEA / NDIA) interfaces.
- Address Congressional, GAO, IG Actions regarding general T&E / policy issues.
- As USD(AT&L) representative to the DOT&E-led IPT to develop Joint Test Transformation Roadmaps, assured DT&E infrastructure and capabilities support joint mission capability testing were included in SPG action on what changes the DoD needs to make.
- Ensured Joint Test and Evaluation test programs are adequate, feasible, executable, and designed to accomplish chartered goals.
- Serve as interface to DTRMC, participate on Strategic Planning Working Group by conducting range and resource investment planning, participate in Range Commander's Council, and Defense Test and Training Steering Group. Make recommendations on range improvement and modernization requirements and funding.
- Develop effective DT&E policies, best practices, procedures, methods, and tools. Ensure DT&E policy is adequate for directing the conduct of sound, well-executed developmental test programs.
- Evaluate target requirements, status, shortfalls, and impact on weapon system testing adequacy. Oversee plans to reduce shortfalls in these critical test assets and assure these critical assets, necessary for adequate testing, are available. Support SM-6 Target IPT.
- Participate in Systems Mission and Integration (SMI) Executive Working Group.
- Support NAS T&E Study.

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(U) FY 2006 Plans:

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- Continue planning to expand Joint Distributed Engineering Plant (JDEP).
- Provide for a professional SE workforce. Continue rebaselining DAU T&E certification courses and updating DAU TST courses.
- Participate in M&S / EXCIMS / Working Groups.
- Improve and expand industry and professional association (ITEA / NDIA) interfaces.
- Address Congressional, GAO, IG Actions regarding general T&E / policy issues.
- Ensure Joint Test and Evaluation test programs are adequate, feasible, executable, and designed to accomplish chartered goals.
- Serve as interface to DTRMC, participate on Strategic Planning Working Group. Conduct range and resource investment planning, participate in Range Commander's Council, and Defense Test and Training Steering Group. Make recommendations on range improvement and modernization requirements and funding.
- Develop effective DT&E policies, best practices, procedures, methods, and tools. Ensure DT&E policy is adequate for directing the conduct of sound, well-executed developmental test programs.
- Participate in SMI Executive Working Group.
- Support NAS T&E Study.

(U) FY 2007 Plans:

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 Defense Systems, 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.

- Continue planning to expand Joint Distributed Engineering Plant (JDEP).
- Provide for a professional SE workforce. Continue rebaselining DAU T&E certification courses and updating DAU TST courses.
- Participate in M&S / EXCIMS / Working Groups.
- Improve and expand industry and professional association (ITEA / NDIA) interfaces
- Address Congressional, GAO, IG Actions regarding general T&E / policy issues.
- Ensure Joint Test and Evaluation test programs are adequate, feasible, executable, and designed to accomplish chartered goals.
- Serve as interface to DTRMC, participate on Strategic Planning Working Group. Conduct range and resource investment planning, participate in Range Commander's Council, and Defense Test and Training Steering Group. Make recommendations on range improvement and modernization requirements and funding.

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- Develop effective DT&E policies, best practices, procedures, methods, and tools. Ensure DT&E policy is adequate for directing the conduct of sound, well-executed developmental test programs.
- Participate in SMI Executive Working Group.
- Support NAS T&E Study.

C. Other Program Funding Summary: N/A

D. Acquisition Strategy: N/A

R-1 Shopping List - Item No. 20-1 of 20-4

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