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Exhibit R-2, RDT&E Project Justification							May 2009	
OPERATIONAL TEST AND EVALUATION, DEFENSE (0460) BUDGET ACTIVITY 6 (RDT&E MANAGEMENT SUPPORT)				OPERATIONAL TEST AND EVALUATION (OT&E) PROGRAM ELEMENT (PE) 0605118OTE				
Cost (\$ In Millions)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
PE 0605118OTE	48.318	53.052	58.647					

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION

The Director of Operational Test and Evaluation (DOT&E) is responsible under Title 10 for policy and procedures for all aspects of operational test and evaluation within the Department of Defense (DoD). Particular focus is given to OT&E that supports major weapon system production decisions for acquisition programs included on the Office of Secretary of Defense Test and Evaluation Oversight List that is prepared and approved annually. Generally, there are about 300 programs on the oversight list including all Major Defense Acquisition Programs (MDAP) and Major Automated Information Systems (MAIS). MDAPs may not proceed beyond low-rate initial production (BLRIP) until OT&E of the program is complete. DOT&E is involved early in the planning phase of each program to ensure adequate testing is planned and executed. Key elements of DOT&E's oversight authority include:

- The approval of component test and evaluation master plans (TEMPS).
- The approval of component OT&E Test Plans (TPs).
- Oversight of Military Department preparation and conduct of field operational tests; analysis and evaluation of the resultant test data; the assessment of the adequacy of the executed test and evaluation programs; and assessment of the operational effectiveness and suitability of the weapon systems.
- Reporting of results of OT&E that supports BLRIP decisions to the Secretary of Defense and Congress, as well as providing an annual report summarizing all OT&E activities and the adequacy of test resources within DoD during the previous fiscal year.

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DOT&E also oversees and resources OT&E community efforts to plan and execute joint operational evaluations of information assurance and interoperability of fielded systems and networks during major combatant command and Service exercises, and reports the trends and findings in the annual report.

This Program Element includes funds to obtain Federally Funded Research and Development Center (FFRDC) support in performing the described tasks, travel funds to carry out oversight of the OT&E program and administration and financial support services related to the conduct of operational test and evaluation.

This program element is budgeted in Budget Activity 6, RDT&E Management Support, to support DOT&E for oversight of operational test and evaluation of the Department's weapon systems.

Note: Starting in FY 2010, funding for DOT&E Administrative Support and Financial Services has been realigned from Operational Test Activities and Analyses program (0605814OTE) to the Operation Test and Evaluation program (0605118OTE). These functions are in direct support of the Director, Operational Test and Evaluation and are more appropriately funded under the Operational Test and Evaluation program.

ACCOMPLISHMENTS/PLANNED PROGRAM

FY 2008 Accomplishments

Operational Test and Evaluation Oversight

FY 2008 funds provided Operational Test and Evaluation inputs for Test and Evaluation Master Plans, Test Plans, System Acquisition Reports, Defense Acquisition Executive Summary Reports for those programs designated for oversight by DOT&E and the Office of the Under Secretary of Defense for Acquisition, Technology and Logistics (OUSD(AT&L)). Key elements of DOT&E oversight authority are identified in Calendar Year 2008 Office of the Secretary of Defense Test and Evaluation Oversight List.

Information Assurance and Interoperability Evaluations

During FY 2008 assessments were performed for 19 major Combatant Command (COCOM) and Service exercises. Assessment of warfighter responses to computer network attack (ability to protect, detect, react, and restore) were captured in most events, and more advanced threats were generally portrayed than in prior years. Interoperability focused assessments were performed

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during eight exercises, implementing new assessment methods that focused on mission threats and critical mission accomplishment. Five operational assessments were conducted in support of units deploying to Iraq and Afghanistan. Findings from all of the above assessments were shared with enterprise solution steering groups for solutions to complex problems beyond the ability of local network authorities.

Several process improvements were developed and coordinated for implementation in FY 2009. The first process improvement focused on the linkage of exercise assessments with acquisition OT&E. The OT&E results will be used to guide the planning and execution of exercise assessments, and assist in tracking the remediation of problems identified in OT&E. Another new process will expedite the coordination of problems identified during exercises with Service leadership responsible for prioritizing and resourcing remediation efforts. A “use-case” event was planned and executed on the Information Operations Range to examine the applicability of live-fire assessment methodology to computer-network-defense and information-assurance assessments, and to examine the range’s ability to support OT&E with realistic environments and representative threats.

FY 2009 Plans

Operational Test and Evaluation Oversight

FY 2009 funds will provide Operational Test and Evaluation inputs for Test and Evaluation Master Plans, Test Plans, System Acquisition Reports, Defense Acquisition Executive Summary Reports for those programs designated for oversight by DOT&E and the Office of the Under Secretary of Defense for Acquisition, Technology and Logistics (OUSD(AT&L)). Key elements of DOT&E oversight authority are identified in Calendar Year 2009 Office of the Secretary of Defense Test and Evaluation Oversight List.

Information Assurance and Interoperability Evaluations

Focus areas for FY 2009 include: (1) improve coordination of all critical shortfalls identified during assessments with Service leadership, and track through remediation, (2) plan and execute at least one interoperability assessment for every COCOM and Service, where suitable exercises are available, and (3) improve exercise assessments and OT&E via creation of new assessment databases and sharing of results and lessons learned.

Assessments will continue for approximately 20 COCOM and Service exercises. Full assessment of warfighter responses to computer network attack (ability to protect, detect, react, and restore) will be captured in most events. Portrayal of advanced threats will be included in most events, and interoperability and mission accomplishment in representative threat environments will be

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examined. Assessment support to units supporting the Overseas Contingency Operations will continue as needed. Fiscal year 2009 information assurance and interoperability evaluations will include trend analyses compared with prior year results, both within and across combatant commands. Continued efforts with the Information Operations Range are intended to expand the range's ability to support OT&E and exercise assessments with realistic environments and representative threats.

FY 2010 Plans

Operational Test and Evaluation Oversight

Funding for FY 2010 will provide Operational Test and Evaluation inputs for Test and Evaluation Master Plans, Test Plans, System Acquisition Reports, Defense Acquisition Executive Summary Reports for those programs designated for oversight by DOT&E and OUSD(AT&L). Key elements of DOT&E oversight authority will be identified in Calendar Year 2010 Office of the Secretary of Defense Test and Evaluation Oversight List. Starting in FY 2010, funding for administrative and financial services is realigned from the Operational Test Activities and Analyses program.

Information Assurance and Interoperability Evaluations

During FY 2010 assessments will continue for approximately 25 COCOM and Service exercises. Full assessment of warfighter responses to computer network attack (ability to protect, detect, react, and restore) will be captured in all events. Portrayal of advanced threats will be included in all events, and interoperability and mission accomplishment in representative threat environments will be examined. Assessment support to units deploying to theaters of operation will continue as needed. Fiscal year 2010 information assurance and interoperability evaluations will include trend analyses compared with prior year results, both within and across combatant commands. Selected assessments may include events executed on the Information Operations Range for added operational realism and required security.

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B. (U) PROGRAM CHANGE SUMMARY

(\$ in Millions)	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
FY 2009 President's Budget	48.318	53.196	54.358
Current Budget Submit	48.318	53.052	58.647
Total Adjustments	0	-.144	+4.289
Congressional general reductions		-.144	
Other Realignments/Program Increases			+4.289

C. (U) OTHER PROGRAM FUNDING: NA

D. (U) ACQUISITION STRATEGY: NA

E. (U) PERFORMANCE METRICS:

Performance Measure: Percentage of required operational test planning documents, assessments, and reports applicable to acquisition programs on the OSD Test and Evaluation Oversight List and other special interest programs/legacy systems that are completed and delivered to the appropriate decision makers on time.

Actual Performance and Goals:

Operational Test and Evaluation	FY 2008 Actual	FY 2009 Goal	FY 2010 Goal
On-Time Completion Rate	94%	95%	96%

The on-time completion rate was computed on the basis of the number of required products that were submitted within established time standards relative to the total number of such products that fell due during the fiscal year. Products included in the measure include beyond low-rate initial production reports, Test Plans, and Test and Evaluation Master Plans for operational test and evaluation oversight as well as assessment plans, "quick look" reports, and final reports for the information assurance and interoperability testing associated with scheduled test events. DOT&E plans to maintain its on-time completion rates for FY 2009 and FY 2010 through continued management emphasis on timely delivery of required products to customer activities.