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Exhibit R-2, RDT&E Project Justification						February 2008	
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
PE 0605118OTE	49.971	48.318	53.196	54.358	54.456	55.339	56.267

**A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION**

The Director of Operational Test and Evaluation (DOT&E) is responsible under Title 10, United States Code, for policy and procedures for all aspects of operational test and evaluation (OT&E) 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 the Secretary of Defense (OSD) Test and Evaluation Oversight List that is prepared and approved annually on a calendar year basis. Each year there are roughly 300 programs on the oversight list including all Major Defense Acquisition Programs (MDAP) and Major Automated Information Systems (MAIS). Major Defense Acquisition Programs 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 for and conduct of field operational tests; analysis and evaluation of the resultant test data; assessment of the adequacy of the executed test and evaluation programs; and assessment of the operational effectiveness and suitability of the weapon systems.
- Reporting results of OT&E that support 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 as well as travel funds to carry out oversight of the OT&E program.

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.

### **Accomplishments/Planned Program:**

#### **FY 2007 Accomplishments:**

#### **Operational Test and Evaluation Oversight:**

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 were identified in the Calendar Year 2007 OSD Test and Evaluation Oversight List.

#### **Information Assurance and Interoperability Evaluations:**

Assessments were performed for 20 Combatant Command and Service exercises. Warfighter and system responses to computer network attack (ability to protect, detect, react, and restore) were observed and assessed in most events. Fiscal Year 2007 information assurance assessments included trend analyses compared with prior year results, both within and across combatant commands. Interoperability assessments were performed in selected theaters, and a new approach was identified to improve the quality and quantity of interoperability assessments. Six operational assessments were performed in support of units deploying to Iraq and Afghanistan. Findings across the assessment program were shared with several DoD enterprise solution steering groups for solutions to complex problems and shortfalls. The assessment database was modified to track information assurance and interoperability problems identified during acquisition OT&E. Steps were taken towards the portrayal of advanced threats in FY 2008 events, and evaluation support was provided to a joint exercise focused on the development of enhanced defensive tactics, techniques,

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and procedures that will be needed to defend against these threats.

### **FY 2008 Plans**

#### **Operational Test and Evaluation Oversight:**

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 the Calendar Year 2008 OSD Test and Evaluation Oversight List.

#### **Information Assurance and Interoperability Evaluations:**

Assessments will continue for approximately 20 Combatant Command 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, and assessments will be expanded to include observation and assessment of response actions. Portrayal of advanced threats will be included in two to four events, with special emphasis on stressing the network Continuity of Operations Plan. Evaluation support to development of enhanced defensive tactics, techniques, and procedures will continue. Three operational assessments are planned in support of units deploying to Iraq and Afghanistan. A “use case” event will be planned on the Information Operations Range to assess the range’s ability to support computer-network-defense and information-assurance assessments with added realism and required security. Fiscal year 2008 information assurance evaluations will include trend analyses compared with prior year results, both within and across combatant commands. Interoperability evaluation trends will also be identified. Findings will be shared with enterprise solution steering groups for solutions to complex problems and shortfalls, with feedback on program and policy effectiveness, and suitability of solutions. Acquisition OT&E results will be used to guide the planning and execution of exercise assessments.

### **FY 2009 Plans:**

#### **Operational Test and Evaluation Oversight:**

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’s oversight authority will be identified in the Calendar Year 2009 OSD Test and Evaluation Oversight List.

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**Information Assurance and Interoperability Evaluations:**

Assessments will continue for approximately 20 Combatant Command 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 evaluation support to development of enhanced defensive tactics, techniques, and procedures will continue. Selected assessments may include events executed on the Information Operations Range for added operational realism and required security. Assessment support to units deploying to Iraq and Afghanistan 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. Findings will be shared with enterprise solution steering groups for solutions to complex problems and shortfalls.

**B. (U) PROGRAM CHANGE SUMMARY**

(\$ in Millions)	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
FY 2008 President's Budget	49.971	48.627	53.466
Current Budget Submit	49.971	48.318	53.196
Total Adjustments		-.309	-.270
Congressional general reductions		(-.309)	
Economic Adjustments			(-.270)

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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:

<b>Operational Test and Evaluation</b>	<b>FY 2007 Actual</b>	<b>FY 2008 Goal</b>	<b>FY 2009 Goal</b>
<b>On-Time Completion Rate</b>	<b>88%</b>	<b>91%</b>	<b>91%</b>

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 achieve its on-time completion rates for FY 2008 and FY 2009 through continued management emphasis on timely delivery of required products to customer activities.