

UNCLASSIFIED

Exhibit R-2, RDT&E Project Justification							February 2006
OPERATIONAL TEST AND EVALUATION, DEFENSE (0460) BUDGET ACTIVITY SIX				LIVE FIRE TEST AND EVALUATION (LFT&E) PROGRAM ELEMENT (PE) 0605131OTE			
Cost (\$ In Millions)	FY 2005*	FY 2006*	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
PE 0605131OTE			11.245	11.472	11.701	11.950	12.210

***Funds for FYs 2005 and FY 2006 will be found in PE 0605131D8Z. The administrative change to the Program Elements in the Operational Test and Evaluation, Defense appropriation was necessary to reflect changes brought about by the June 7, 1999 disestablishment of the Director, Test, Systems Engineering and Evaluation and the subsequent realignment of programs and responsibilities to the Director, Operational Test and Evaluation.**

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION

This PE directly supports the Congressional statutory requirements for oversight of Live Fire Test and Evaluation (LFT&E). The primary objective of LFT&E is to assure that the vulnerability and survivability of Department of Defense (DoD) crew-carrying platforms and the lethality of our conventional munitions are known and acceptable before entering full-rate production. LFT&E encompasses realistic tests involving actual United States (U.S.) and foreign hardware or, if not available, acceptable surrogate threat hardware. The objective is to identify and correct design deficiencies early in the development process. A completed LFT&E test report is required before programs proceed beyond low-rate initial production. It also includes realistic modeling and simulation (M&S) to examine survivability and lethality attributes not assessed during testing. The LFT&E program is essential, especially in view of the escalating costs of technologically sophisticated weapons systems.

The LFT PE also supports DoD's Joint Live Fire (JLF) Program. JLF was begun in 1984 under an OSD charter to test fielded front-line U.S. and threat combat aircraft and armor systems for their vulnerabilities as well as fielded weapons, both U.S. and threat, for their lethalties against their respective targets. Congress, seeing the vulnerability and lethality issues raised by the JLF program,

Exhibit R-2, RDT&E Budget Justification

UNCLASSIFIED

R-1 Line – Item No. 6

Page 1 of 4

UNCLASSIFIED

decided that there must be legislation to require realistic testing of new systems before they reach the field. Hence the LFT&E Legislation, U.S. Code, Title 10, Section 2366 was passed in 1987.

This PE 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 LFT program.

This Research Category 6.5 PE supports LFT&E management activities for the oversight of RDT&E of new systems, as well as RDT&E of fielded systems.

Accomplishments/Planned Programs:

FY 2005 Accomplishments:

- Please see Live Fire Testing Program Element 0605131D8Z.

FY 2006 Plans:

- Please see Live Fire Testing Program Element 0605131D8Z.

FY 2007 Plans:

Major T&E Programs:

Provide Live Fire Test and Evaluation input for Test and Evaluation Master Plans, test plans, System Acquisition Reports, Defense Acquisition Executive Summary reports, and beyond low-rate initial production reports in accordance with the DOT&E FY 2005 Annual Report issued in January 2006.

JLF Programs:

- Conduct tests of fielded systems not previously tested under Air, Land, or Sea Joint Live Fire programs.
- Continue tests of foreign systems acquired for exploitation.

Exhibit R-2, RDT&E Budget Justification

UNCLASSIFIED

R-1 Line – Item No. 6

Page 2 of 4

UNCLASSIFIED

- Continue to evaluate foreign targets and munitions.
- Continue to invest in development of technologies that increase test realism.
- Continue to improve database management tools.

B. (U) PROGRAM CHANGE SUMMARY

(\$ in Millions)	<u>FY 2005*</u>	<u>FY 2006*</u>	<u>FY 2007</u>
FY 2006 President's Budget			10.487
FY 2007 President's Budget			11.245
Total Adjustments			.758
Congressional program reductions			
Congressional rescissions			
Congressional increases			
Fiscal Guidance Adjustments			.758
Inflation Adjustment			
Reprogramming			

C. (U) OTHER PROGRAM FUNDING: NA

Exhibit R-2, RDT&E Budget Justification

UNCLASSIFIED

R-1 Line – Item No. 6

Page 3 of 4

UNCLASSIFIED

D. (U) PERFORMANCE METRICS

Performance Measure: Percentage of required live fire 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. Percentage of required live fire 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:

Live Fire Testing	FY 2005 Actual	FY 2006 Goal	FY 2007 Goal
On-Time Completion Rate	60%	80%	90%

FY 2005 was the initial baseline year for the establishment of this metric. The on-time completion rate was computed on the basis of the number of BLRIP live fire test and evaluation reports, Joint Live Fire Quick Look Reports, and Joint Live Fire Test reports that were submitted within established time standards relative to the total number of such products that fell due during the fiscal year. DOT&E plans to achieve its goals for FY 2006 and FY 2007 through increased management emphasis on timely delivery of required reports to customer activities.

Exhibit R-2, RDT&E Budget Justification

UNCLASSIFIED

R-1 Line – Item No. 6

Page 4 of 4