

DEFENSE SECURITY SERVICE
RDT&E
FY 2002 Amended Budget Submission
June 2001

Appropriation: 0400D Research, Development, Test & Eval, Defwide

Date: June 2001

TOA, \$ in Millions

<u>R-1 Line</u> <u>Item No</u>	<u>Program</u> <u>Element</u> <u>Number</u>	<u>Item</u>	<u>Budget</u> <u>Activity</u>	<u>FY2000</u> <u>Cost</u>	<u>FY2001</u> <u>Cost</u>	<u>FY2002</u> <u>Cost</u>
145	0305127V	Foreign Counterintelligence Activities	07	.436	.439	.664

Exhibit R-2, RDT&E Budget Item Justification

Date: June 2001

APPROPRIATION/BUDGET ACTIVITY 97 0400 4900/07				R-1 ITEM NOMENCLATURE Foreign Counterintelligence Activities 0305127V			
COST (in Millions)	FY2000	FY2001	FY2002				
Smalland Miscellaneous Grant	0.436	0.439	0.664				

A. Mission Description and Budget Item Justification

The DoD Polygraph Institute administers the RDT&E funds contained in the DSS budget. The mission to complete Congressionally mandated research and function as the governments central research facility for deception research is accomplished via the following strategic objectives:(a) evaluate the validity of psychophysiological detection of deception (PDD) techniques used by the Department of Defense (DoD); (b) investigate countermeasures and anticountermeasures; and (c) conduct developmental research on PDD techniques, instruments, and analytic methods. In addition to these congressional mandated missions, the DoDPI Research program is investigating alternative measures, technology, and analysis techniques such as voice analysis, thermal imaging, pulse transit time, visual activity, electroencephalography, electromyography, vagal tone, electrocardiology, high definition-ERP, fMRI, and Laser technologies. Proposals in this area clearly identify and support a nexus between the proposed work and the detection of deception.

In January 1999, DoDPI began an effort to enhance its presence in the scientific, academic, and technological communities. This is in response to the need for more advanced technical expertise. This initiative seeks to give the DoDPI a research workforce that is competitive with the best minds from the complex cerebral worlds of academia, and the emerging technologies. Moreover, these partnerships seek to take advantage of the highest quality University labs and industrial technology that may have solutions to our subjects of interest. While the Institute is interested in, and will support basic research, the majority of our funding will be awarded to proposals describing applied research that is of immediate use to the PDD community. The research topics of interest have been divided into the categories of Special Projects, Emerging Alternative Technology, Applied Topics, PDD Data Analyses, and Deterrence.

B. Program Change Summary

	<u>FY2000</u>	<u>FY2001</u>	<u>FY2002</u>
FY2001 President's Budget	0.436	0.444	0.464
Government-wide Rescissions		(0.005)	
General Increase			0.200
FY2002 President's Budget	0.436	0.439	0.664

C. Other Program Funding Summary

D. Acquisition Strategy: N/A

E. Schedule Profile: There are no scheduled acquisition, program, T&E, or contract milestones.