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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 1999		
APPROPRIATION/BUDGET ACTIVITY RDT&E/Defense Wide/BA 1							R-1 ITEM NOMENCLATURE Gulf War Illnesses Research PE 0601105D8Z			
<i>COST(In Millions)</i>	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Cost to Complete	Total Cost
Total Program Element (PE) Cost	0	23.674	19.185	19.098	18.988	0	0	0	Continuing	Continuing
Gulf War Illnesses Research/P105	0	23.674	19.185	19.098	18.988	0	0	0	Continuing	Continuing

(U) **A. Mission Description and Budget Item Justification**

(U) **BRIEF DESCRIPTION OF ELEMENT**

(U) This program of Gulf War Illnesses (GWI)-related research addresses topics relevant to identifying the etiology and treatment of GWI, increasing our understanding of issues pertinent to Force Health Protection, and enhancing the protection of Service members against deployment-related health threats in future deployments. This program is conducted in coordination with the Research Working Group of the Persian Gulf Veterans' Coordinating Board.

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Gulf War Illnesses Research/P105	0	23.674	19.185	19.098	18.988	0	0	0	Continuing	Continuing

(U) **Project Number and Title: P105 Gulf War Illnesses Research**

(U) **PROGRAM ACCOMPLISHMENTS AND PLANS**

(U) **FY1998 Accomplishments:**

(U) None reported under this program element. This was a new program element beginning in FY1999. (\$ 0 Million)

(U) **FY1999 Plans:**

(U) Competitively fund projects directed to multidisciplinary research to elucidate neurobiology of stress, connecting psychosocial, psychophysiological, and somatic/physiological outcomes in models of nonspecific and undiagnosed symptoms typical of ill Gulf War veterans.(\$ 3 Million)

(U) Competitively fund projects which advance deployment toxicology bioassay and biosentinel-based detection and exposure assessment methods, particularly strategies to assess neurotoxic health hazards (\$ 3 Million)

(U) Competitively fund projects that explore and establish fundamentally important interactions of medical materiel and operational environments such as stress effects on access to the brain by prophylactic drugs, radiofrequency radiation-enhanced toxicity of drugs, stress effects and interactions of multiple vaccines on vaccine effectiveness (\$ 3 Million)

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(U) Competitively fund epidemiological studies to develop and evaluate effectiveness of health assessment and health care delivery pre-, during, and post-deployment, advancing Force Health Protection surveillance strategies in future deployments. (\$ 3 Million)

(U) Conduct 2-year Medical Follow-up Agency (Institute of Medicine) study of prewar healthcare-seeking behaviors of Gulf War veterans and their subsequent health outcomes.
(\$ 0.5 Million)

(U) Conduct 2-year Medical Follow-up Agency (Institute of Medicine) study of Aberdeen personnel previously exposed to low level chemical agents. (\$ 0.5 Million)

(U) Develop Leishmania vaccine and demonstrate feasibility of reliable serological diagnostic tests in a four year program conducted by Army and Navy infectious disease research laboratories Develop Leishmania vaccine and demonstrate feasibility of reliable serological diagnostic tests in a four year program conducted by Army and Navy infectious disease research laboratories.(\$ 1.5 Million)

(U) Conduct an expanded epidemiological research effort at the Naval Health Research Center involving deployment health assessments. (\$ 1.5 Million)

(U) Conduct Congressionally-mandated study of difficult to diagnose conditions such as fibromyalgia, chronic fatigue syndrome, and multiple chemical sensitivities, using advanced neuroscience methods,
(\$ 3.15 Million)

(U) Study DOD and VA Gulf War registry participants in unique opportunity to address hypothesis-driven epidemiological research on deployment health risk factors. (\$ 1 Million)

(U) Program management, contract servicing costs, and supplemental funding to previously funded GWI research studies.
(\$ 3.524 Million)

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(U) **FY2000 Plans:**

(U) Continue projects in neurobiology of stress, deployment toxicology methods, operational interactions of medical materiel, and force health protection epidemiology, and competitively fund new projects to address issues raised by emerging finding from existing research and other discoveries. (\$ 12 Million)

(U) Conduct 2-year Medical Follow-up Agency (Institute of Medicine) study of prewar healthcare-seeking behaviors of Gulf War veterans and their subsequent health outcomes. (\$ 0.5 Million)

(U) Conduct 2-year Medical Follow-up Agency (Institute of Medicine) study of Aberdeen personnel previously exposed to low level chemical agents. (\$ 0.5 Million)

(U) Develop Leishmania vaccine and demonstrate feasibility of reliable serological diagnostic tests in a four year program conducted by Army and Navy infectious disease research laboratories. (\$ 1.5 Million)

(U) Conduct an expanded epidemiological research effort at the Naval Health Research Center involving deployment health assessments (\$ 1.5 Million)

(U) Program management, contract servicing costs, and supplemental funding to previously funded GWI research studies.(\$ 3.185 Million)

(U) **FY2001 Plans:**

(U) Continue projects in neurobiology of stress, deployment toxicology methods, operational interactions of medical materiel, and force health protection epidemiology, and competitively fund new projects to address issues raised by emerging finding from existing research and other discoveries. (\$ 12 Million)

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- (U) Conduct 2-year Medical Follow-up Agency (Institute of Medicine) study of prewar healthcare-seeking behaviors of Gulf War veterans and their subsequent health outcomes. (\$ 0.5 Million)

- (U) Conduct 2-year Medical Follow-up Agency (Institute of Medicine) study of Aberdeen personnel previously exposed to low level chemical agents. (\$ 0.5 Million)

- (U) Develop Leishmania vaccine and demonstrate feasibility of reliable serological diagnostic tests in a four year program conducted by Army and Navy infectious disease research laboratories. (\$ 1.5 Million)

- (U) Conduct an expanded epidemiological research effort at the Naval Health Research Center involving deployment health assessments.(\$ 1.5 Million)

- (U) Program management, contract servicing costs, and supplemental funding to previously funded GWI research studies. (\$ 3.098 Million)

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(U) B. <u>Program Change Summary</u>	<u>FY1998</u>	<u>FY1999</u>	<u>FY2000</u>	<u>FY2001</u>	<u>Total Cost</u>
Previous Presidents Budget	0	19.646	19.515	19.443	Continuing
Appropriated Value	0	23.796	0	0	Continuing
Adjustments to Appropriated Value					
a. Congressionally Directed Undistributed Reduction	0	-0.122			
b. Rescission/Below-threshold Reprogramming, Inflation Adjustment	0	0	-0.330	-0.345	
c. Other	0	0	0	0	
Current Presidents Budget	0	23.674	19.185	19.098	Continuing

Change Summary Explanation: Funding changes are due to congressional undistributed reductions and inflation adjustments.

(U) **Funding:** FY 1999 establishes a separate PE for Gulf War Illness Research.

(U) **Schedule:** N/A

(U) **Technical:** FY 1999 establishes a separate PE for Gulf War Illness Research.

(U) **C. OTHER PROGRAM FUNDING SUMMARY COST:** N/A

(U) **D. ACQUISITION STRATEGY:** N/A

(U) **E. SCHEDULE PROFILE:** N/A