

Defense Health Program  
 Fiscal Year (FY) 2010 Budget Estimates  
 Exhibit R-2, DHP RDT&E Budget Item Justification

Appropriation/Budget Activity  
 Defense Health Program/BA: 2

DATE: May 2009  
 R1 Item Nomenclature: 2  
 Basic Operational Medical Research Sciences  
 0601117HP

COST: (Dollars in Millions)

	2008 Actual	2009 Estimate	2010 Estimate
<b>Total PE 0601117</b>	0.000	0.000	56.720
<b>Medical Research Sciences for GDF Enhancement (TMA)</b>	0.000	0.000	56.720

**A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:** This Program Element (PE) provides support for basic medical research directed toward greater knowledge and understanding of the fundamental principles of science and medicine that are relevant to the improvement of Force Health Protection. Projects in this PE are designed to address areas of interest to the Secretary of Defense and to close medical capability gaps associated with the Joint Force Health Protection Concept of Operations (JFHP CONOPS) and are complementary to research conducted by the Army, Navy, Air Force, and DARPA in analogous PEs. Projects supported by this PE include Trauma, Polytrauma and Blast Injury, Rehabilitation, Diagnosis and Treatment of Brain Injury, Operational Health and Performance, Psychological Health and Well-Being for Military Personnel and Families, and Medical Informatics, Modeling and Simulation. Funds in this PE will be used for a special solicitation for basic research that promises to provide important new approaches to these vexing military medical problems. In subsequent years, the most promising of these efforts will be transitioned to applied research or technology development funded in PEs 0602115HP and 0603115HP as appropriate to the Technology Readiness Level (TRL) of the effort.

**B. PROGRAM CHANGE SUMMARY:**

	<u>2008</u>	<u>2009</u>	<u>2010</u>
FY10 Budget Estimate RDT&E	0.000	0.000	0.000
GDF Enhancement	0.000	0.000	56.720
FY10 Budget Submission RDT&E	0.000	0.000	56.720

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**PROGRAM CHANGE SUMMARY EXPLANATION:**

FY08:

- No Change

FY09:

- No Change

FY10:

- Program increase for Guidance for Development of the Force (GDF) Enhancement (\$56.720 million)

**C. OTHER PROGRAM FUNDING SUMMARY:** None.

**D. ACQUISITION STRATEGY:** Not Required.

**E. PERFORMANCE METRICS:**

The benchmark performance metric for transition of research conducted with Basic Medical Research Sciences funding will be the attainment of a maturity level that is typical of TRL3 or the equivalent for knowledge products.