

UNCLASSIFIED  
OFFICE OF FORCE TRANSFORMATION  
FY 2005 President's Budget  
Exhibit R-2, RDT&E Budget Item Justification

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APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense Wide, Office of Force Transformation/BA 6				R-1 ITEM NOMENCLATURE PE: 0605799D8Z Force Transformation																																													
COST (\$ in Millions)	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Cost to Complete	Total Cost																																								
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<p>Mission Description and Budget Item Justification: The Office of Force Transformation was officially opened in Nov 01 with the encouragement from Congress to be the principal advisor to the SecDef on transformation within the DoD. The foremost goal of the Office is to ensure that transformation efforts directly link to the broad elements of national and military strategy. This funding request supports the Director's five organizational objectives outlined below. This program is intended to perform general support of RDT&amp;E activities. Within these activities the office is sponsoring groundbreaking research and prototyping in selected areas that are considered vital to the advancement of transformation within the Department. Funding will be used to catalyze transformational activities such as experimentation and exploration of the ramifications of new concepts and technologies. Activities include; research, testing, studies, analysis and development of transformation articles ("prototype-like" system surrogates), which will enable advanced experimentation for the co-evolution of concepts and technologies. Examples of such activities include 1) the development of an operationally responsive, tailorable, space capability, with two major and distinct parts – the launch vehicle and the payload. Characteristics of the launch vehicle desired include low-cost and launch on-demand. The payload seeks to be highly modular, contain highly automated micro-satellite buses, common interfaces, and tasking and data dissemination using SIPRNET protocols — a concept now known as Operationally Responsive and Experimental Adaptability for Space Based Systems; and 2) the advancement of an adaptive method for maintaining operational availability of units by managing their end-to-end support network — a concept now known as "Sense and Respond" logistics.</p> <p>A. The Office will seek to guide the U.S. military transformation efforts through the following objectives:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><u>FY 2003</u></th> <th style="text-align: center;"><u>FY 2004</u></th> <th style="text-align: center;"><u>FY 2005</u></th> <th style="text-align: left;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">\$484K</td> <td style="text-align: center;">\$928K</td> <td style="text-align: center;">\$979K</td> <td>Objective 1: To make force transformation an integral element of DoD corporate and national defense strategy effectively supporting the four strategic pillars of national military strategy.</td> </tr> <tr> <td style="text-align: center;">\$2.89M</td> <td style="text-align: center;">\$5.843M</td> <td style="text-align: center;">\$5.881M</td> <td>Objective 2: To change the force and its culture from the bottom up through the use of experimentation, operational prototyping and the creation of new knowledge.</td> </tr> <tr> <td style="text-align: center;">\$1.93M</td> <td style="text-align: center;">\$3.883M</td> <td style="text-align: center;">\$3.921M</td> <td>Objective 3: To implement Network Centric Warfare (NCW) as the theory of war for the information age and the organizing principle for joints concepts, capabilities, and systems.</td> </tr> <tr> <td style="text-align: center;">\$970M</td> <td style="text-align: center;">\$1.903M</td> <td style="text-align: center;">\$1.951M</td> <td>Objective 4: To get the decision rules and metrics right and cause them to be applied enterprise wide.</td> </tr> <tr> <td style="text-align: center;">\$3.142M</td> <td style="text-align: center;">\$6.831M</td> <td style="text-align: center;">\$6.859M</td> <td>Objective 5: To discover, create or cause to be created new military capabilities to broaden the capabilities base and to mitigate risk.</td> </tr> <tr> <td style="text-align: center;">\$9.416M</td> <td style="text-align: center;">\$19.388M</td> <td style="text-align: center;">\$19.591M</td> <td>Total</td> </tr> </tbody> </table> <p>B. 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APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

RDT&amp;E, Defense Wide, Office of Force Transformation/BA 6

PE: 0605799D8Z Force Transformation

C. Other Program Funding Summary: Not Applicable.

D. Acquisition Strategy: Not Applicable.

E. Schedule Profile: Not Applicable.

UNCLASSIFIED  
**OFFICE OF FORCE TRANSFORMATION**  
**FY 2005 Budget Estimates**  
**Exhibit R-2a, RDT&E Project Justification**

Exhibit R-2a, RDT&E Project Justification								Date: February 2004	
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense Wide, Office of Force Transformation/BA 6			PROGRAM ELEMENT: 0605799D8Z		PROJECT NAME AND NUMBER Supporting Department of Defense Transformation				
Cost (\$ in Millions)	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Cost to Complete	Total Cost
Total PE Cost	9.416	19.388	19.591	19.479	19.498	19.683	20.145	Continuing	Continuing
<p>A. <u>Mission Description and Budget Item Justification</u>. The Office of Force Transformation (OFT) is the principal advisor to the SecDef on transformation within the DoD and is tasked to be the catalyst for transformation within the Department. This funding request supports the Director's five organizational objectives outlined in R-2 Exhibit for this office. This program is designed to provide general support to the overall DoD transformation effort through the implementation of a variety of RDT&amp;E activities. Within these activities the office is sponsoring groundbreaking research and prototyping in selected areas that are considered vital to the advancement of transformation within the Department. Funding will be used to catalyze transformational activities such as experimentation and exploration of the ramifications of new concepts and technologies. Activities include; research, testing, studies, analysis and development of transformation articles ("prototype-like" system surrogates), which will enable advanced experimentation for the co-evolution of concepts and technologies. In FY03 this funding supported activities such as:</p> <ol style="list-style-type: none"> <li>1) The development of an operationally responsive, tailorable, space capability, with two major and distinct parts – the launch vehicle and the payload. Characteristics of the launch vehicle desired include low-cost and launch on-demand. The payload seeks to be highly modular, contain highly automated micro-satellite buses, common interfaces, and tasking and data dissemination using SIPRNET protocols — a concept now known as Operationally Responsive and Experimental Adaptability for Space Based Systems;</li> <li>2) The advancement of an adaptive method for maintaining operational availability of units by managing their end-to-end support network — a concept now known as "Sense and Respond" logistics;</li> <li>3) The creation of an architecture engine for a JTF Headquarters that permits the exploitation of "executable" operational and system architectures associated with multi-service execution of Joint Task Forces (JTFs); and</li> <li>4) The exploration of the feasibility of an innovative new concept and technology application for generation of signals with operational relevance to military missions.</li> </ol> <p>In FY04 and beyond, the office will continue to provide major support to the areas of Sense and Respond Logistics and Micro-Satellites (two areas showing tremendous potential), as well as in the areas of inter-modal theater lift, re-directed energy, and ultra-large airlift technology.</p> <p>B. <u>Other Program Funding Summary</u>. N/A</p> <p>C. <u>Acquisition Strategy</u>: This program represents a continuing level of effort supporting the research, the study and analysis, and the development of a wide range of new concepts and technologies that directly support the transformation vision and goals of the Secretary of Defense and the Department. The deliverables from each project represent a keen understanding of the national and military strategies and the linkages with the transformation effort, and what new capabilities, if discovered and delivered, better support the execution of those strategies.</p> <p>D. <u>Schedule Profile</u>. The RDT&amp;E will be spent during various quarters of each fiscal year.</p>									