

UNCLASSIFIED

<b>ARMY RDT&amp;E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)</b>	DATE <b>February 1999</b>
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BUDGET ACTIVITY <b>6 - Management and Support</b>	PE NUMBER AND TITLE <b>0605326A Concept Experimentation Program</b>
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COST ( <i>In Thousands</i> )	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	0	13948	16990	73006	92647	60815	67787	54758	Continuing	Continuing
D308 Concept Experimentation Program	0	10471	16990	73006	92647	60815	67787	54758	Continuing	Continuing
D309 Digital Information Technology Testbed	0	3477	0	0	0	0	0	0	0	3477

**A. Mission Description and Budget Item Justification:** The Concept Experimentation Program (project 308) enables the U.S. Army Training and Doctrine Command (TRADOC) battle labs and schools to evaluate emerging technologies and other equipment to help define Army mission needs and operational requirements. Projects selected for funding are relatively low cost conceptual evaluations, with high potential for warfighting return on investment. The program provides direct support to Battle Lab Warfighting Experiments (BLWE). The program is also a first look at emerging technologies that have the potential to support the Army's Force XXI design needs. The Digital Information Technology Testbed (project 309), a Congressional special interest project, is a functional test bed and model for the DOD and Federal Government to test and integrate new digital technologies for collecting, disseminating and managing information globally. It is also operational multimedia records (management and archives) that enable DOD to meet its Title 10 responsibilities under the Goldwater-Nichols Act through collecting, managing and disseminating information worldwide to achieve knowledge dominance.

<b>B. Program Change Summary</b>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget ( <u>FY 1999</u> PB)	0	17441	17580	17697
Appropriated Value		14041		
Adjustments to Appropriated Value				
a. Congressional General Reductions		-93		
b. SBIR / STTR				
c. Omnibus or Other Above Threshold Reductions				
d. Below Threshold Reprogramming				
e. Rescissions				
Adjustments to Budget Years Since <u>FY 1999</u> PB			-590	+55309
Current Budget Submit ( <u>FY 2000 / 2001</u> BES/PB)	0	13948	16990	73006

Change Summary Explanation: Funding – FY 1999 Congressional adjustments included a reduction to project 308 (-6900) for undefined experiments and a Congressional add for project 309 (+3500).  
 FY 2001 – Additional funding provided by DOD for Force XXI/AWEs to enhance Army's readiness posture.

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BUDGET ACTIVITY <b>6 - Management and Support</b>				PE NUMBER AND TITLE <b>0605326A Concept Experimentation Program</b>				PROJECT <b>D308</b>		
COST (In Thousands)	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
D308 Concept Experimentation Program	0	10471	16990	73006	92647	60815	67787	54758	Continuing	Continuing
<p><b>A. Mission Description and Budget Item Justification:</b> The Concept Experimentation Program (CEP) is a key innovative tool which provides TRADOC battle labs and schools the ability to capitalize on emerging technologies, emerging warfighting concepts, and new materiel initiatives. Program growth reflects increased emphasis on Force XXI initiatives and accelerated acquisition methods. Funds are used to acquire, lease or fabricate equipment to conduct experiments to determine military utility or potential to satisfy Army Doctrine, Training, Leader Development, Organization, Materiel and Soldiers (DTLOMS) needs. TRADOC battle labs build on initiatives with greatest potential payoff. Program is also used as a first look at emerging technologies and emerging warfighting concepts that have the potential to support the Army's Force XXI design needs. As the Army moves toward Force XXI, the critical task of designing the force around information requires major investment in information-age capabilities. Constructive, virtual, and live simulations are used to examine warfighting concepts across DTLOMS domains. They cover all aspects of command and control, lethality, survivability, and tempo and are essential to technology insertion in future Army systems and force structure. Beginning in FY1999 funding was restructured from PE 0605712, Project D985.</p> <p><b>FY 1998 Accomplishments:</b> Program funded in PE 0605712A</p> <p><b>FY 1999 Planned Program:</b></p> <ul style="list-style-type: none"> <li>• 132 Warfighter Information Network (WIN) Space Based Tactical Data Collection and Reporting</li> <li>• 491 Beyond Line of Sight Communication Support for Aviation and Maneuver Support</li> <li>• 225 Semi-Autonomous Reconnaissance Operations II for Mounted Maneuver</li> <li>• 437 Weather/Terrain Assessment Tool</li> <li>• 200 Rotorcraft Pilots Associate Integration into Army After Next Platforms</li> <li>• 350 Designing the Army After Next Battalion Field Artillery Tactical Operations Center</li> <li>• 136 Own the Night Technologies</li> <li>• 129 Dismounted Real Time Tactical Video Link</li> <li>• 235 Space Technology to Enhance Information Dominance on the Move</li> <li>• 97 Helmet Mounted Sniper Detection System</li> <li>• 56 Configured Load Unit Building</li> <li>• 178 Battle Command Vehicle (BCV)</li> <li>• 7277 Force XXI Experimentation / Advanced Warfighting Experiments per the Army Experimentation Campaign Plan (AECPP).</li> <li>• 250 Army Experiment 6</li> <li>• 278 Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Programs</li> </ul> <p>Total 10471</p>										
Project D308			Page 2 of 4 Pages				Exhibit R-2A (PE 0605326A)			

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**FY 2000 Planned Program:**

- 10044 Concept experimentation to be determined by Sep 99 CEP Schedule and Review Committee.
  - 6946 Force XXI Experimentation / Advanced Warfighting Experiments per the Army Experimentation Campaign Plan (AECF).
- Total 16990

**FY 2001 Planned Program:**

- 9881 Concept experimentation to be determined by Sep 00 CEP Schedule and Review Committee.
  - 63125 Force XXI Experimentation / Advanced Warfighting Experiments per the Army Experimentation Campaign Plan (AECF).
- Total 73006

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<b>BUDGET ACTIVITY</b> <b>6 - Management and Support</b>	<b>PE NUMBER AND TITLE</b> <b>0605326A Concept Experimentation Program</b>	<b>PROJECT</b> <b>D309</b>
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COST ( <i>In Thousands</i> )	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
D309 Digital Information Technology Testbed	0	3477	0	0	0	0	0	0	0	3477

**Mission Description and Justification:** The DoD Information Technology Testbed (DITT) prototype is a functional test bed and system to conduct concept exploration, operational prototyping and full requirements definition for multimedia research libraries (multimedia national and tactical imagery) in support of technology-assisted learning, intelligence analysis, C2, and decision-making in both an institutional and battlefield setting. It will establish the pilot test bed and core capabilities for the DITT, and the Joint and Army Virtual Research Library. The DITT prototype will be fielded at Ft. Leavenworth, KS. The contractor shall identify and register each system level component of the DITT in the DITT System Database, design the DITT System to interface with various networks for data ingest and user interface, design the Systems Administration Function, and ensure system and data security using best commercial practices. This project is a Congressional add, and is fully funded by the FY 1999 program.

**FY 1998 Accomplishments:** Project not funded in FY 1998

**FY 1999 Planned Program:**

- 190 Multimedia Research Library System – System Test
  - 225 Multimedia Research Library System – Video Prototype
  - 3062 Multimedia Research Library System – Baseline Operational System
- Total 3477

**FY 2000 Planned Program:** Project not funded in FY 2000

**FY 2001 Planned Program:** Project not funded in FY 2001