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<b>ARMY RDT&amp;E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)</b>	DATE <b>February 2000</b>
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BUDGET ACTIVITY <b>6 - Management and Support</b>	PE NUMBER AND TITLE <b>0605712A Support of Operational Testing</b>
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COST <i>(In Thousands)</i>	FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	64312	68659	71079	72540	77725	77145	78389	Continuing	Continuing
DV02 ATEC Activities	40286	43109	44425	46678	47910	47007	48177	Continuing	Continuing
D001 ATEC IOTE	19190	19650	20492	19311	23168	22574	21898	Continuing	Continuing
D987 ATEC Instrumentation Sustainment & Development	4836	5900	6162	6551	6647	7564	8314	Continuing	Continuing

**A. Mission Description and Budget Item Justification:** On 1 October 1999, the US Army Operational Test and Evaluation Command (OPTEC) was redesignated as the US Army Test and Evaluation Command (ATEC). The three subordinate commands assigned to ATEC are: the Army Evaluation Center (AEC), the Operational Test Command (OTC), formerly the Test and Experimental Command (TEXCOM), and the Developmental Test Command (DTC), formerly the US Army Materiel Command's Test and Evaluation Command (TECOM). This program finances the operational testing of developmental materiel systems. Project DV02 provides for the recurring costs of operating the test activities of the U.S. Army Operational Test Command (OTC). The FY 1999 program reflects completed restructure directed by OSD of manpower and funds for the Army Threat Support Activity (ATSA), Test and Evaluation Coordination Offices (TECO's), Test and Evaluation Support Activity and other test support previously programmed and budgeted in the Operation and Maintenance, Army (OMA) appropriation. Project D001 provides for direct operational and joint test costs incurred by OTC including Multi-Service, Army Transformation, First Digitized Division and Automated Information Systems (AIS). Excludes funding for Acquisition Category I (ACAT I) major weapons and Automated Information Systems which are programmed within the PE funding development of each system. Project D987 provides for development and acquisition of non-major and sustaining instrumentation necessary to attain and maintain the data collection and analysis capability to conduct credible and robust operational tests as demanded by the DoD and Congress. It provides for replacement and improvements of existing obsolete inventory and for the development of new technologies to keep abreast of new weapons advancements.

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<b>B. Program Change Summary</b>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget (FY 2000/2001 PB)	65460	68946	69038
Appropriated Value	66320	68946	
Adjustments to Appropriated Value			
a. Congressional General Reductions	-860		
b. SBIR / STTR	-977		
c. Omnibus or Other Above Threshold Reductions		-155	
d. Below Threshold Reprogramming	+89		
e. Rescissions	-260	-132	
Adjustments to Budget Years Since FY 2000/2001 PB			2041
Current Budget Submit (FY 2001 PB)	64312	68659	71079

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BUDGET ACTIVITY <b>6 - Management and Support</b>				PE NUMBER AND TITLE <b>0605712A Support of Operational Testing</b>				PROJECT <b>DV02</b>		
COST (In Thousands)	FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost	
DV02 ATEC Activities	40286	43109	44425	46678	47910	47007	48177	Continuing	Continuing	
<p><b>Mission Description and Justification:</b> This project finances recurring costs, including civilian pay, support contracts, temporary duty, supplies and equipment of subordinate elements of the Operational Test Command (OTC), a subordinate command of the US Army Test and Evaluation Command (ATEC). Included are: Airborne and Special Operations Test Directorate, Fort Bragg, NC; Air Defense Test Directorate, Fort Bliss, TX; Fire Support Test Directorate, Fort Sill, OK; and the Intelligence and Electronic Warfare Test Directorate, Fort Huachuca, AZ, and test directorates located at Fort Hood, TX (Aviation; Close Combat; Engineer/Combat Support; Command, Control, and Communications; Information Mission Area; Advanced Concepts). The primary mission of these test directorates is to conduct operational testing of developmental materiel and force development test and experimentation (FDTE).</p> <p><b>FY 1999 Accomplishments:</b></p> <ul style="list-style-type: none"> <li>• 16722 Operational costs including 178 civilian authorizations at Fort Hood, TX Test Directorates (includes Test and Evaluation Support Activity)</li> <li>• 2683 Operational costs including 27 civilian authorizations at Fort Sill, OK Test Directorate</li> <li>• 3003 Operational costs including 34 civilian authorizations at Fort Huachuca, AZ Test Directorate</li> <li>• 2730 Operational costs including 35 civilian authorizations at Fort Bragg, NC Test Directorate</li> <li>• 3139 Operational costs including 37 civilian authorizations at Fort Bliss, TX Test Directorate</li> <li>• 10504 Operational costs including 17 civilian authorizations at Army Threat Support Activity, Fort Bliss, TX</li> <li>• 1505 Operational costs including 18 civilian authorizations at Test and Evaluation Coordination Offices</li> </ul> <p>Total 40286</p> <p><b>FY 2000 Planned Program:</b></p> <ul style="list-style-type: none"> <li>• 21809 Operational costs including 177 civilian authorizations at Fort Hood, TX Test Directorates (includes Test and Evaluation Support Activity)</li> <li>• 2812 Operational costs including 28 civilian authorizations at Fort Sill, OK Test Directorate</li> <li>• 3147 Operational costs including 34 civilian authorizations at Fort Huachuca, AZ Test Directorate</li> <li>• 2861 Operational costs including 40 civilian authorizations at Ft. Bragg, NC Test Directorate</li> <li>• 3290 Operational costs including 37 civilian authorizations at Fort Bliss, TX Test Directorate</li> <li>• 8000 Operational costs including 18 civilian authorizations at Army Threat Support Activity, Fort Bliss, TX</li> <li>• 860 Operational costs including 8 civilian authorizations at Test and Evaluation Coordination Offices</li> <li>• 330 Small Business Innovative Research/Small Business Technology Transfer (SBIR/STTR) Program.</li> </ul> <p>Total 43109</p>										
Project DV02			Page 3 of 7 Pages				Exhibit R-2A (PE 0605712A)			

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**FY 2001 Planned Program:**

- 24142 Operational costs including 177 civilian authorizations at Fort Hood, TX Test Directorates (includes Test and Evaluation Support Activity)
- 2899 Operational costs including 28 civilian authorizations at Fort Sill, OK Test Directorate
- 3245 Operational costs including 34 civilian authorizations at Fort Huachuca, AZ Test Directorate
- 2950 Operational costs including 40 civilian authorizations at Fort Bragg, NC Test Directorate
- 3302 Operational costs including 37 civilian authorizations at Fort Bliss, TX Test Directorate
- 7000 Operational costs including 18 civilian authorizations at Army Threat Support Activity, Fort Bliss, TX
- 887 Operational costs including 8 civilian authorizations at Test and Evaluation Coordination Offices

Total 44425

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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)							DATE February 2000			
BUDGET ACTIVITY 6 - Management and Support				PE NUMBER AND TITLE 0605712A Support of Operational Testing				PROJECT D001		
COST (In Thousands)		FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
D001 ATEC IOTE		19190	19650	20492	19311	23168	22574	21898	Continuing	Continuing
<p><b>Mission Description and Justification:</b> This project finances the direct costs of planning and conducting operational testing on major and non-major materiel systems (ACAT II-IV), including Multi-Service systems (all ACATs), Joint Tests (JT), Army Transformation, First Digitized Division (FDD) and Automated Information Systems (AIS). It funds those costs directly attributable to conducting early user tests and evaluations (EUTE), limited user tests (LUT), or initial operational tests and evaluations (IOTE) on major and non-major materiel systems. Test funding for ACAT I systems is programmed within the PE funding the development of each system. Operational testing is conducted under conditions as close as possible to those encountered in actual combat with typical user troops trained to employ the system. ATEC provides Army leadership with an independent test and evaluation of effectiveness, suitability, and survivability of the system.</p> <p><b>FY 1999 Accomplishments:</b> FORCE XXI BATTLE COMMAND BRIGADE AND BELOW (FBCB2) LUTE, Long Range Advanced Scout Surveillance System (LRAS3) IOTE, Armored Security Vehicle (ASV) IOTE, M270A1 LUTE/IOTE, Advanced Field Artillery Tactical Data System (AFATDS) Pkg 11 LUTE</p> <ul style="list-style-type: none"> <li>• 3396 Combat Support operational testing</li> <li>• 1012 Close Combat operational testing</li> <li>• 1640 Command, Control, Communications and Computers operational testing</li> <li>• 562 Intelligence and Electronic Warfare operational testing</li> <li>• 5043 Fire Support operational testing</li> <li>• 619 Aviation operational testing</li> <li>• 2778 Joint Tests operational testing</li> <li>• 4140 Advanced Concept Technology operational testing</li> </ul> <p>Total 19190</p>										

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<p><b>FY 2000 Planned Program:</b> FBCB2 FDTE/LUTE, SCAMP LUTE, Single Shelter Switch IOTE, Containerized Kitchen (CK) IOTE, Integrated System Control (ISYSCON) LUTE, Joint Warfighter (JWF)</p> <ul style="list-style-type: none"> <li>• 5130 Combat Support operational testing</li> <li>• 3957 Command, Control, Communications and Computers operational testing</li> <li>• 1085 Intelligence and Electronic Warfare operational testing</li> <li>• 108 Fire Support operational testing</li> <li>• 276 Aviation operational testing</li> <li>• 1310 Joint Tests operational testing</li> <li>• 7255 Advanced Concept Technology operational testing</li> <li>• 529 Small Business Innovative Research/Small Business Technology Transfer (SBIR/STTR) Program</li> </ul> <p>Total 19650</p>		
<p><b>FY 2001 Planned Program:</b> M270A1 IOTE, Bradley Fire Support Team Vehicle (BFIST) LUTE, Combat Identification for the Dismounted Soldier (CIDDS) IOTE, WARSIM 2000 IOTE, and Joint Warfighter</p> <ul style="list-style-type: none"> <li>• 136 Combat Support operational testing</li> <li>• 3642 Close Combat operational testing</li> <li>• 1633 Command, Control, Communications and Computers operational testing</li> <li>• 1311 Intelligence and Electronic Warfare operational testing</li> <li>• 4079 Fire Support operational testing</li> <li>• 448 Aviation operational testing</li> <li>• 7348 Joint Tests operational testing</li> <li>• 1895 Air Defense Artillery testing</li> </ul> <p>Total 20492</p>		

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<i>COST (In Thousands)</i>	FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost	
D987 ATEC Instrumentation Sustainment & Development	4836	5900	6162	6551	6647	7564	8314	Continuing	Continuing	
<p><b><u>Mission Description and Justification:</u></b> This project provides for the technical upgrade and maintainability of essential instrumentation to achieve cost effective data collection, telemetry, and processing capability for support of robust and credible operational tests as required by the DoD and Congress. Increased sophistication of new weapons and communication and control systems demands the ability to capture test data at greater rates and increased volumes and then to reduce the information rapidly to only those essential to effectively evaluate the test. As digitization of the battlefield continues, this effort allows ATEC to modernize and develop its non-major instrumentation allowing it to be less intrusive, more reliable and more robust in terms of integrating combat simulation capability into operational tests. The goal is to expand measurement and test control capability while still reducing future test costs. This project supports multiple efforts associated with MAIS and separate, independent initiatives that lead to improved command and control, increased mobility, expanded remote data collection at various tactical sites with transmit capability to central receiving, control, and evaluation stations at various test directorates, and new instrumentation capability in support of Real-Time Casualty Assessment (RTCA) which measures simulated attrition of forces during simulated battlefield engagements. Operational test directorates are located at Fort Hood, TX; Fort Bliss, TX; Fort Huachuca, AZ; Fort Sill, OK; and Fort Bragg, NC.</p> <p><b>FY 1999 Accomplishments:</b></p> <ul style="list-style-type: none"> <li>• 1048 Test Tracking Systems (Telemetry and Imaging)</li> <li>• 3788 Field Data Collection (Collection and Transfer)</li> </ul> <p>Total 4836</p> <p><b>FY 2000 Planned Program:</b></p> <ul style="list-style-type: none"> <li>• 4039 Test Tracking Systems (Telemetry and Imaging)</li> <li>• 1205 Field Data Collection (Collection and Transfer)</li> <li>• 497 GPS Modernization</li> <li>• 159 Small Business Innovative Research/Small Business Technology Transfer (SBIR/STTR) Program.</li> </ul> <p>Total 5900</p> <p><b>FY 2001 Planned Program:</b></p> <ul style="list-style-type: none"> <li>• 3697 Test Tracking Systems (Telemetry and Imaging)</li> <li>• 2115 Field Data Collection (Collection and Transfer)</li> <li>• 350 GPS Modernization</li> </ul> <p>Total 6162</p>										
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