

| ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit) | | | | | | February 2005 | | | | |
|---|-------------------|--|---|---------------------|---------------------|----------------------|-----------------------|---------------------|---------------------|---------------------|
| BUDGET ACTIVITY 6 - Management support | | | PE NUMBER AND TITLE 0605103A - Rand Arroyo Center | | | | PROJECT 732 | | | |
| COST (In Thousands) | | | FY 2004 Actual | FY 2005 Estimate | FY 2006 Estimate | FY 2007 Estimate | FY 2008 Estimate | FY 2009 Estimate | FY 2010 Estimate | FY 2011 Estimate |
| 732 | ARROYO CENTER SPT | | 21963 | 21854 | 23800 | 24781 | 25419 | 26037 | 26685 | 27347 |
| <p><u>A. Mission Description and Budget Item Justification:</u> This program funds the RAND Arroyo Center, the Department of the Army's Federally Funded Research and Development Center (FFRDC) for studies and analysis. The Arroyo Center draws its researchers from RAND's staff of nearly 700 professionals trained in a broad range of disciplines. Most staff members work in RAND's principal locations-Santa Monica, California; Arlington, Virginia; and Pittsburgh, Pennsylvania. The RAND Arroyo Center provides for continuing analytical research across a broad spectrum of issues and concerns, grouped in four major research areas: Strategy, Doctrine, and Resources; Military Logistics; Manpower and Training; and Force Development and Technology. The RAND Arroyo Center research agenda is primarily focused on mid/long-term concerns. Results and analytical findings directly affect senior leadership deliberations on major issues. Arroyo Center research is sponsored by the Chief of Staff, Vice Chief, the Deputy Chiefs of Staff of the Army; the Army Assistant Secretaries; and most of the Army's major commands. The Arroyo Center is provided guidance from the Army through the Arroyo Center Policy Committee (ACPC), which is co-chaired by the Vice Chief of Staff of the Army and the Assistant Secretary of the Army (Acquisition, Logistics and Technology). The ACPC reviews, monitors, and approves the annual Arroyo Center research plan. Each project requires General Officer (or SES equivalent) sponsorship and involvement on a continuing basis. RAND Arroyo provides the Army with a unique multidisciplinary capability for independent analysis.</p> | | | | | | | | | | |
| <u>Accomplishments/Planned Program</u> | | | | | | FY 2004 | FY 2005 | FY 2006 | FY 2007 | |
| Research addressing the implications of current operations: key issues for the Army in Operation Iraqi Freedom, including RC deployment, diversity of land force operations, effectiveness of air-ground interaction, quality of situational awareness, AMEDD operations, and logistical operations | | | | | | 3564 | 0 | 0 | 0 | |
| Research addressing the Army's transformation to meet near-term and future force challenges, including new challenges and opportunities for SOF; improving SOF support; future manning/rotation requirements; balancing the force mix; new strategies for the Independent Ready Reserve; unit manning; CSS transformation; requirements for stability operations; training strategies for the UA; network sharing and fusion; C4ISR and combat vulnerabilities; organizing S&T for transformation; military utility of UGVs; modeling future force effectiveness; rail gun feasibility assessment; support to TRADOC for wargame design/analysis; integrating future air/ground visions; and predicting enemy's use of land mines. | | | | | | 11183 | 0 | 0 | 0 | |

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| Accomplishments/Planned Program A(continued) | | | | FY 2004 | FY 2005 | FY 2006 | FY 2007 |
| Research addressing the Army's enduring challenges, including Combat Training Center effectiveness and home station training; college market development; the National Call to Service program; evaluating Army international activities; MFC globalization; Army investment decision making; improving the review of Generating Force activities in the Total Army Analysis; military billets in competitive sourcing; a living architecture approach to information technology investment decisions; synchronizing Army business processes; equipment readiness measurement and drivers; linking AMC processes to increased readiness; analysis of recapitalization program; metrics for supply chain management; and identifying drivers of customer wait time. | | | | 7216 | 0 | 0 | 0 |
| Research addressing the implications of current operations: key issues for the Army in continuing operations in Afghanistan and Iraq, improving the conduct of stability operations, balancing the force mix, RC recruiting and retention, improving spare parts support in dynamic environments, and improving special operations forces logistics support processes. | | | | 0 | 3502 | 0 | 0 |
| Research addressing the Army's transformation to meet near-term challenges: key issues for the Army, including implications of network-centric insurgencies; support to the unit-focused stability effort; Combat Training Center (CTC) training effectiveness; support to Officer Personnel Management System (OPMS 3); alternative medical force structures; Army Working Capital Fund (AWCF) for an expeditionary Army; integrating APS with the supply chain; and lessons from Stryker support in Iraq. | | | | 0 | 4545 | 0 | 0 |
| Research addressing the Army's transformation to shape the future force: key issues for the Army in laying out long-term alternatives, including future strategic challenges, operational cognition, support to Unified Quest '05, budget implications of current operations; and improving fleet recap planning; improving jointness and interdependence, including improving joint blue force Situational Awareness (SA), training strategies for the Brigade Combat Team-Unit of Action (BCT-UA), and integrating Army requirements and Defense Logistics Agency (DLA) contingency planning; technology for future forces, including future force reconnaissance capabilities, robotics for future forces, fusion architectures for Stability and Support Operations (SASO), architecture options for future forces, behavior -based modeling, and RF Spectrum access; logistics support to future forces, including sustaining simultaneous distributed operations and assessment of Future Combat System (FCS) sustainability requirements; and cooperation with friends and allies, including compatibility with new allies, and Army international affairs activities and force compatibility. | | | | 0 | 9905 | 0 | 0 |

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| <u>Accomplishments/Planned Program A(continued)</u> | FY 2004 | FY 2005 | FY 2006 | FY 2007 |
|---|--------------|--------------|--------------|--------------|
| Research addressing the Army's enduring challenges: key issues for the Army in shaping and staffing the force, including college market development, National Call to Service program, total recruiter workload, and billet and competitive sourcing; the challenge of improving business processes, including improving the readiness focus of log processes, OPTEMPO cost-factor methodology, and Total Army Analysis (TAA): representing the generating force. | 0 | 3902 | 0 | 0 |
| Research addressing both support to and lessons from current operations, with an emphasis on improving jointness and developing doctrine and leaders to handle full-spectrum operations. | 0 | 0 | 3808 | 4069 |
| Research to meet near-term transformation goals under growing fiscal constraints. | 0 | 0 | 4998 | 5203 |
| Research addressing longer-term transformation, to include investment strategies for harvesting the best of FCS technologies, robotics concepts and technologies, how best to cooperate with friends and allies as the Army transforms, realignment of support functions as new forces are fielded, and trade-offs in developing and fielding new C4ISR systems and networks. | 0 | 0 | 10710 | 10985 |
| Research addressing underlying enduring challenges, such as recruiting and retention, trade-offs in making military-to-civilian conversions and outsourcing decisions, and the search for efficiencies in Army support and staff functions. | 0 | 0 | 4284 | 4524 |
| Totals | 21963 | 21854 | 23800 | 24781 |

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732**B. Program Change Summary**

| | FY 2005 | FY 2006 | FY 2007 |
|---------------------------------------|---------|---------|---------|
| Previous President's Budget (FY 2005) | 20012 | 19912 | 21907 |
| Current Budget (FY 2006/2007 PB) | 21854 | 23800 | 24781 |
| Total Adjustments | 1842 | 3888 | 2874 |
| Net of Program/Database Changes | | | |
| Congressional Program Reductions | -330 | | |
| Congressional Rescissions | | | |
| Congressional Increases | 2800 | | |
| Reprogrammings | | | |
| SBIR/STTR Transfer | -628 | | |
| Adjustments to Budget Years | | 3888 | 2874 |

Change Summary Explanation: Funding - FY 2006/2007 funds were realigned in support of the Rand Arroyo Center (FY 06 +3888/FY 07 +2874).