

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)						February 2006	
BUDGET ACTIVITY 3 - Advanced technology development			PE NUMBER AND TITLE 0603238A - Global Surveillance/Air Defense/Precision Strike T			PROJECT 177	
COST (In Thousands)	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate
177 JT ALS PS DEMO	10280	11939	12995	13319	13524	14024	14129
<p><u>A. Mission Description and Budget Item Justification:</u> The Joint Programs Sustainment and Development (JPSD) Project Office, an element of the Program Executive Office, Intelligence, Electronic Warfare and Sensors, provides creative and innovative solutions to operational problems. In response to the requirements of Combatant Commanders and the Department of Defense, JPSD integrates maturing technologies, commercial hardware and software and new tactics, techniques and procedures to facilitate development of capabilities in the areas of Command, Control, Communications, and Computers (C4), and Intelligence, Surveillance and Reconnaissance (ISR). JPSD uses non-traditional acquisition approaches, such as Advanced Concept Technology Demonstrations, Simulation Based Acquisition, rapid prototyping, and other novel approaches to accelerate the maturation and transition of key capabilities to the Army Future Force and future elements of the Joint Warfighting Force. Theater Effects Based Operations (TEBO) will provide United States Forces Korea (USFK) with enhanced capabilities to analyze, plan, execute, and assess operations, at strategic and operational levels, using an effects based approach. TEBO will integrate computer-aided decision support tools, concepts, and procedures to provide a more comprehensive understanding of a given adversary and the environment. TEBO will help to identify those actions that can be taken to influence behavior and facilitate the harmonization of all elements of national power to support national objectives. It will provide greater responsiveness and adaptability to better manage the rapidly changing situations of today's environment. TEBO will conduct a limited military utility assessment to determine the extent to which the EBO concept has been adopted and incorporated into their staff organization processes. TEBO assessment tools will be incorporated into USFK Theater Architecture. The cited work is consistent with Strategic Planning Guidance, the Army Science and Technology Master Plan (ASTMP), the Army Modernization Plan, and the Defense Technology Area Plan (DTAP). The JPSD is a element of the Program Executive Office, Intelligence, Electronic Warfare, and Sensors (PEO IEW&S), Fort Monmouth, NJ. Work is done at JPSD, Ft. Belvoir, VA.</p>							
<u>Accomplishments/Planned Program</u>				<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	
Joint Intelligence, Surveillance and Reconnaissance (JISR) ACTD - FY05: - Completed sustainment support to respective service and joint C4ISR user warfighters of the JISR product delivered in FY04. Supported technology transition to programs of record; ASAS-L, CHIMS, AFATDS, C2PC, GCCS, DCGS-A, MCS-L and JC2. Deployed an additional two servers in support of OIF II/OIF III expanding our user base to the coalition partners. Maintained and upgraded the current set of JISR servers in support of operations and transition. Completed the ACTD.				7759	0	0	
Interferometric Synthetic Aperture Radar (IFSAR) Mapping ACTD - FY05: Attempted to complete subassembly design, procurement, development integration and test for radome/antenna shroud, RF subsystem, transmitter, radar electronic assemblies 1 through 4, airborne and ground systems managers, and radar operator workstation. Project terminated due to insurmountable technical challenges and significant cost overrun. FY06: Complete contract close-out activities. Remaining funding being reprogrammed to offset business re-engineering efficiencies.				2521	5828	0	
Theater Effects Based Operations (TEBO) - FY06 - Initiate Spiral III development phase of TEBO tools and CONOPS. Integrate effects based operations (EBO) processes and tools into the USFK integrated mission architecture and standard operating procedures. Will conduct a limited military utility assessment focusing on measuring the extent to which the concept has been adopted across the staff organizations and incorporated into their processes by measuring the effectiveness of the process and the tools provided to facilitate that process. FY07 - Will conduct evaluations focusing on the enhanced understanding of an adversaries vulnerabilities and potential actions/reaction, while increasing the number of effects indicators tracked and analyzed. Continue CONOPS development. Participate in USFK and JFCOM exercises.				0	6111	12995	

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