

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2005

BUDGET ACTIVITY 5 - System Development and Demonstration			PE NUMBER AND TITLE 0604□66A - Tactical Exploitation System/DCGS (TIARA)					PROJECT □5□		
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	Cost to Complete	Total Cost
957 TACTICAL EXPLOITATION SYSTEM (TES)/DCGS-A (TIARA)	23869	21505	0	0	0	0	0	0	0	102073

A. Mission Description and Budget Item Justification: This project supports the engineering development/enhancement of the Tactical Exploitation System (TES), Division TES (DTES), and the related Distributed Common Ground System - Army (DCGS-A) capability. TES brings a common inter-service, multi-discipline ISR capability together for the first time, enabling theater commanders to better use assigned ISR assets in support of operations. TES interfaces with numerous satellite and aircraft tactical sensors and processors to exploit their data, imagery, and information. TES provides commanders with maximum flexibility to satisfy intelligence needs under a wide range of operational scenarios. TES operators can perform multiple imagery intelligence (IMINT), signals intelligence (SIGINT), cross-intelligence, or dissemination functions from any workstation. TES provides extensive communication capabilities, including UHF, S, X, C and Ku radio frequency band communications. TES interfaces with and serves as a preprocessor for the All Source Analysis (ASAS), Common Ground Station (CGS), and the Digital Topographical Support System (DTSS). TES incorporates the standards and protocols dictated by the Common Imagery Ground/Surface System (CIG/SS) program. TES brings all of the existing and emerging capabilities of the Advanced Electronic Processing Dissemination System (AEPDS), Modernized Imagery Exploitation System (MIES) and Enhanced Tactical Radar Correlator (ETRAC) into an integrated common baseline that is downsized, modular and scaleable to meet a wide range of contingency requirements. DCGS-A will incorporate the capabilities of TES, Guardrail/Information Node (GR/IFN), and Common Ground Station (CGS). TES, as an integral part of DCGS-A will continue to incorporate emerging theater and national intelligence, surveillance, and reconnaissance (ISR) capabilities. Specific details are provided in the Tactical Intelligence and Related Activities (TIARA) Congressional Budget Justification Book and the Joint Military Intelligence Programs (JMIP) Congressional Budget Justification Book. ASPO program management support costs for these efforts are funded under PE 0603766 Project 907 in FY02 and out. In FY 04, funding ends for TES technical evolution and operational currency.

Increase in FY05 is intended to devise a TES Forward (MINUS) derivation of the TES baseline for two gaining commands. These two systems are required to replace defielded TENCAP Equipment (AEPDS) which is scheduled to occur NLT 1st QTR FY05. An additional \$1M of RDTE was provided to do engineering and development work for the TES Lite prototype which will be the technical foundation for procuring 21 TES-Lites with SSN BZ7317 Procurement Funds (FY05).

On January 13, 2005, the Program Executive Office (PEO), Air, Space and Missile Defense (ASMD) merged with the PEO, Tactical Missiles to become the PEO, Missiles and Space.

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<u>Accomplishments/Planned Program</u>	FY 2004	FY 2005	FY 2006	FY 2007
TES Forward (MINUS) for Korea. (EUSA)	0	10500	0	0
TES Forward (MINUS) for I-Corps.	3600	10500	0	0
TES Lite development, integration and evaluation. Starts engineering effort that produces baseline on which SSN BZ7317 Procurement for FY05-06 fielding occurs.	0	505	0	0
Field Motivated Fixes, Baseline Builds, and Configuration Control Board	5495	0	0	0
Advance Planning and Engineering for Future Requirements and Studies to include DCGS transformation, Future Combat Systems (FCS) and National Imagery projects.	2327	0	0	0
Continue TES/DCGS-A development through Army Topographic Engineering Center (TEC) and FFRDC (Aerospace).	3465	0	0	0
Ensures Interoperability across the services and other programs for evolving sensors, data links, platform integration, COMMS, and multilevel security engineering efforts.	1958	0	0	0
System engineering and technical assistance, IPT participation across programs and Services, Roadmaps, and DCGS Transformation Plans	6234	0	0	0
Broadband Intelligence Training System	790	0	0	0
Totals	23869	21505	0	0

<u>B. Program Change Summary</u>	FY 2005	FY 2006	FY 2007
Previous President's Budget (FY 2005)	21821	0	0
Current Budget (FY 2006/2007 PB)	21505	0	0
Total Adjustments	-316	0	0
Net of Program/Database Changes			
Congressional program reductions	-316		
Congressional rescissions			
Congressional increases			
Reprogrammings			
SBIR/STTR Transfer			
Adjustments to Budget Years			

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BUDGET ACTIVITY
5 - System Development and Demonstration

PE NUMBER AND TITLE
0604 66A - Tactical Exploitation System/DCGS (TIARA)

PROJECT
 5

FY04 funding rescinded because Battlefield Intelligence Training system Prototype effort terminated in March 04.

C. Other Program Funding Summary	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Compl	Total Cost
PE 0305208A Project 956 (JMIP)	13654	0	0	0	0	0	0	0	Continue	Continue
BZ7316 CIG/SS (JMIP)	2667	0	0	0	0	0	0	0	Continue	Continue
BZ7317 Tactical Surveillance System (TIARA)	0	14792	0	0	0	0	0	0	0	14792

D. Acquisition Strategy: As pioneers in streamlined acquisition, ASPO's success in delivering TENCAP systems (as those described above) to warfighters is directly attributed to an environment emphasizing space funding, low density acquisition, minimal use of MILSPECS, and managed competition. ASPO minimizes risk while maximizing efficiency and accelerated system production cycles (less time for first Unit of Issue (FUI) and subsequent productions) by tailoring existing technology, leveraging the best commercial practices, and using commercial and government-off the shelf software. Government and contractor personnel and facilities accomplish dedicated cradle to grave Integrated Logistics Support (ILS) for all systems through a coordinated effort.