	ARMY RDT&E BUDGET ITEM JUSTI	FICATION	l (R2 E	xhibit)		F	ebruary 2	2004	
	ACTIVITY plied Research	PE NUMBER AND TITLE 0602785A - Manpower/Personnel/Training Technology							
	COST (In Thousands)		FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate
	Total Program Element (PE) Cost		15130	15053	15322	15622	16288	16393	16651
780	REFUGEE MANAGEMENT & TRACKING SYSTEM		2287	0	0	0	0	0	0
790	PERSONNEL PERFORMANCE & TRAINING TECHNOLOGY		12843	15053	15322	15622	16288	16393	16651

A. Mission Description and Budget Item Justification: The objective of this program is to provide the scientific and technical basis for personnel selection, leader development, and training that will ensure that the human component of warfighting can maximize the benefit of transformations in advanced technologies, weapons, and equipment (e.g., Future Combat Systems) and can perform effectively in Future Force operations and, where feasible, exploits opportunities to enhance Current Force capabilities. This applied research program will provide methods, techniques, and tools to improve the assignment procedures to ensure the right person is placed in the right job, develop improved methods for developing leader cognitive skills, and provide the behavioral science technologies required for the development of effective individual and collective (unit) training strategies. Research topics include training strategies for the digitized battlefield; strategies to maximize the training effects in simulated environments; optimum designs and utilization of simulators and training devices to achieve maximum learning at minimum cost; and modernization of the selection and classification systems to maintain warfighting capabilities for future forces. Beginning in FY 2004, a major thrust of this program will be to expand Leader Development applied research beyond the existing work on more effective methods to develop the critical thinking skills that leaders must have to make effective battlefield decisions in rapidly changing operational situations and in information-rich environments. Additional research will be initiated on developing the interpersonal skills needed by small unit leaders to rapidly form cohesive teams with continuously changing mission requirements and personnel turbulence, and to effectively operate with diverse groups (joint, multi-cultural, interagency, etc.); and on developing mentoring and coaching skills so leaders can support early development of leadership skills and adaptability in younger lead

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit) BUDGET ACTIVITY 2 - Applied Research PE NUMBER AND TITLE 0602785A - Manpower/Personnel/Training Technology

B. Program Change Summary	FY 2003	FY 2004	FY 2005
Previous President's Budget (FY 2004)	15358	15548	15607
Current Budget (FY 2005 PB)	15130	15053	15322
Total Adjustments	-228	-495	-285
Congressional program reductions		-132	
Congressional rescissions			
Congressional increases			
Reprogrammings	-228	-363	
SBIR/STTR Transfer			
Adjustments to Budget Years			-285

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)					February 2004			
DGET ACTIVITY - Applied Research - Control of the project of the p								
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ARMY RDT&E BUDGET ITE	Febru	February 2004				
UDGET ACTIVITY 2 - Applied Research	Training	PROJECT				
ccomplishments/Planned Program	FY 200	3 FY 2004	FY 2005			
erform in future jobs (e.g., for the Future Force); validated new f improvement offered by these tools over the current recruiter bb/skill performance certification; proposed the design of Army redicting first-term enlisted attrition. In FY04, identify and deve erformance; validate new screening tools for station commanded station commander screening batteries; and develop protof rocedures for a more flexible enlisted selection and classification.	elop predictors and measures of future enlisted Soldier job ders and develop implementation strategies for new recruiter type job certification measures. In FY05, will recommend ion system that can keep pace with changing job requirements; at, of a new system for trainers and commanders to certify that	3949	4042	4182		

BUDGET ACTIVITY 2 - Applied Research	PROJECT 790				
Accomplishments/Planned Program (continued) Training: In FY03, incorporated advanced simulation methods into nested for improved performance, safety, and reduced costs; identificommand, Control, Communications, and Computers, Intelligence, identified methods to train small units to identify critical battlefield interpretations (e.g., Objective Force Warrior); developed preliminary metroperformance that are flexible enough to transition as new systems a transfer for TRADOC to use in programs for acquiring digital skills. I within a model of simulation-intensive collective aircrew training; for cutting edge training methods for new Objective Force Warrior Sma Procedures (TTPs). In FY05, will evaluate prototype simulation-intermethods for training key C4ISR skills for Future Combat Systems (Formulate principles of effective performance measurement in future embedded/virtual/augmented reality approaches for small unit leader feedback capabilities in wearable computers. ARI personnel are contraining Technology Center (STTC) on these efforts.	ied requirements for automated tools to measure Surveillance, and Reconnaissance (C4ISR) skills; formation to fully utilize capabilities of evolving Soldier rics for assessing small unit Soldier and leader are fielded; and derived principles of training and knowledge In FY04, identify the roles of simulators and live aircraft mulate principles for training key C4ISR skills; and develop Ill Unit leader tasks and Tactics, Techniques, and Insive collective aircrew training programs; will develop FCS) Unit of Action commanders and staffs; and will e environments. It will also assess the effectiveness of er training; and will demonstrate after action review and	FY 2003 7380	FY 2004 6906	FY 2005 7196	
Leader Development: In FY03, assessed the utility of developing lead animation, and role playing innovations; and implemented and evaluin Bosnia. In FY04, identify components of an experiential growth metechniques for small group coaching of leaders. In FY05, will develoossess their growth as leaders throughout their careers; will refine no battlefield vignettes and scenarios for use in Combined Arms and Scenarios	uated multi-national teamwork training peacekeeping forces nodel of accelerated leader development; and develop approaches to help leaders identify their strengths and neasures of effective leader performance; and will create	1514	3827	3944	
Small Business Innovative Research/Small Business Technology Tr	ransfer Programs	0	278	0	
		12843	15053	15322	