	ARMY RDT&E BUDGET ITEM JUS	STIFIC	ATION	(R2 E	xhibit)	February 2004				
	ACTIVITY stem Development and Demonstration		E NUMBER 0604780 (CATT)			RMS TAC	CTICAL	TRAINE	2	
COST (In Thousands)		FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
	Total Program Element (PE) Cost	8162	3956	23849	33674	40153	29399	18892	Continuing	Continuing
571	CLOSE CBT TACT TRAINER	4761	3956	5584	5571	5385	34	43	Continuing	Continuing
582	SYNTHETIC ENVIR CORE	3401	0	10221	20673	26593	26890	18849	Continuing	Continuing
585	AVIATION COMBINED ARMS TACTICAL TRAINER	C	0	8044	7430	8175	2475	0	0	26124

A. Mission Description and Budget Item Justification: The Combined Arms Tactical Trainer (CATT) is a family of combined arms simulation systems designed to support the Army's simulation-based Combined Arms Training Strategy. The initial CATT system is the Close Combat Tactical Trainer (CCTT), which provides the underlying baseline (architecture, terrain databases, After Action Review [AAR], Semi-Automated Forces [SAF], and models/algorithms) for future CATT expansions, pre-planned product improvements and system enhancements. Synthetic Environment Core provides for the expansion of the Synthetic Environment baseline to include enhanced Aviation, Engineer, Fire Support, and Air Defense capabilities needed to support integration of hardware/simulators funded by System Program Managers. The first synthetic environment to be expansed is the Aviation Combined Arms Tactical Trainer - Aviation Reconfigurable Manned Simulator (AVCATT-A) for both active and reserve components. CATT enables units, from crew to the battalion task force level, to conduct a wide variety of combat tasks on a realistic, interactive synthetic battlefield. CATT's combination of manned simulators and staff officer workstations enables units to train as a combined arms team in a cost effective manner. CATT reinforces the successes and corrects the shortcomings of the Simulator Network (SIMNET) and Aviation Network (AIRNET) demonstration programs executed by the Defense Advanced Research Projects Agency (DARPA). By practicing skills in CATT, units are able to make more effective use of scarce resources and costly live fire and maneuver exercises as well as train tasks deemed too hazardous to conduct in the field. Fielded in both fixed site and mobile/transportable versions, CATT enables both Active and Reserve component units to prepare for real world contingency missions. By being able to process a wide array of terrain databases and modify the behavior of the computer generated opposing forces, CATT offers a virtually unlimited array of training

FY05 funds nonsystem weapons concurrency upgrades, joint close air support improvements and initiates development of the AVCATT-A/Comanche configuration to support Comanche Initial Operational Test and Evaluation (IOT&E). These efforts further support Current-to-Future and Future Force transition paths and improve readiness by providing more realistic collective training that will prepare the soldiers for the U.S. Army missions.

ARMY RDT&E BUDGET ITEM JUSTIFI	CATION (R2 Exhibit)	February 2004
BUDGET ACTIVITY 5 - System Development and Demonstration	PE NUMBER AND TITLE 0604780A - COMBINED ARMS TAC (CATT)	TICAL TRAINER

B. Program Change Summary	FY 2003	FY 2004	FY 2005
Previous President's Budget (FY 2004)	8247	3998	5596
Current Budget (FY 2005 PB)	8162	3956	23849
Total Adjustments	-85	-42	18253
Congressional program reductions		-38	
Congressional rescissions			
Congressional increases			
Reprogrammings	-85	-4	
SBIR/STTR Transfer			
Adjustments to Budget Years			18253

FY05 funding was increased to support the AVCATT-A (\$8.032 Million) and Synthetic Environment Core (\$10.221 Million) programs.

ARMY RDT&E BUDGET ITEM JUS	STIFIC	CATION	(R-2A	Exhib	February 2004				
BUDGET ACTIVITY 5 - System Development and Demonstration		PE NUMBER 0604780 <i>F</i> TRAINER	A - COME	BINED A	RMS TAC	CTICAL		PROJECT 571	
COST (In Thousands)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
571 CLOSE CBT TACT TRAINER	476	1 3956	5584	5571	5385	34	43	Continuing	Continuing

A. Mission Description and Budget Item Justification: This program provides for System Development and Demonstration (SDD) and Pre-Planned Product Improvements (P3I) for the Close Combat Tactical Trainer (CCTT), which will enhance readiness for both active and reserve component forces. The program develops a networked system of interactive computer driven simulators, emulators and semi-automated forces that replicate combat vehicles and weapon systems, combat support systems, combat service support systems, and command and control systems to create a fully integrated real-time collective task training environment. This trainer will allow soldiers to practice, repetitively, tactics, techniques and procedures that, if performed on real equipment, would be too hazardous, time-consuming and expensive. These trainers enhance realism and allow soldiers and units to learn tactical combat lessons on maneuver, command and control, and improved teamwork for increased survivability. The pre-planned product improvements provide CCTT an opportunity to enhance its capabilities as a tactical trainer and maintain concurrency with the structural changes the current battle force is experiencing. These improvements will provide the interoperability with AVCATT-A, Force XXI Battle Command Brigade and Below (FBCB2), Army Tactical Command and Control System (ATCCS) and other simulation systems.

The FY05 funding for Close Combat Tactical Trainer will provide the U.S. Army with non-system weapons concurrency upgrades, Generic Reconfigurable Manned Modules, Joint Close Air Support improvements, and upgrade Trainer unique Display. These improvements allow CCTT the opportunity to enchance capabilities as a tactical trainer and maintain concurrency with the structural changes the current battle force is experiencing.

This system supports the Current-to-Future and Future Force transition path of the Transformation Campaign Plan (TCP).

Accomplishments/Planned Program Developed product improvements for Dismounted Infantry (DI) manned module, After Action Review (AAR), Bradley Fire Support Team (BFIST), Army Tactical Command and Control System (ATCCS), and other prioritized items. Completed development for conversion to Linux operating system; updated Synthetic Environment Data Representation and Interchange Specification (SEDRIS) transmittal to current format for CCTT databases.	FY 2003 4032	FY 2004 0	FY 2005 0
Provide government program management, engineering, technical, contract and continuous operational evaluation support.	729	758	781
Complete refinements to digitial capabilities, enhanced AAR, enhanced Dismounted Infantry Manned Modules, and nonsystem weapons concurrency upgrades. Begin development efforts for generic reconfigurable Manned modules, Mobile Theater AAR capability, Joint Close Air Support improvements.	0	3094	4803

0604780A (571) CLOSE CBT TACT TRAINER

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit) February 2004 **BUDGET ACTIVITY** PE NUMBER AND TITLE PROJECT 5 - System Development and Demonstration 0604780A - COMBINED ARMS TACTICAL 571 TRAINER (CATT) FY 2003 FY 2004 FY 2005 Accomplishments/Planned Program (continued) Small Business Innovative Research/Small Business Technology Transfer Programs. 104 4761 3956 5584 Totals B. Other Program Funding Summary FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 To Compil **Total Cost** OPA3, Appropriation NA0170 SIMNET/CCTT 51053 71160 61811 63737 30894 44128 Continuing Continuing 18799

C. Acquisition Strategy: Competitive cost plus award fee contract for SDD phase.

Competitive procurement against performance specifications as part of basic contract.

ECP's were Sole Source, Cost Plus Fixed Fee

FY05 procurement award will be either Firm Fixed Price or Cost Plus Fixed Fee and executed thru PEO STRI Omnibus Contract (STOC) based on competitive selection.

0604780A (571) CLOSE CBT TACT TRAINER Exhibit R-2A Budget Item Justification

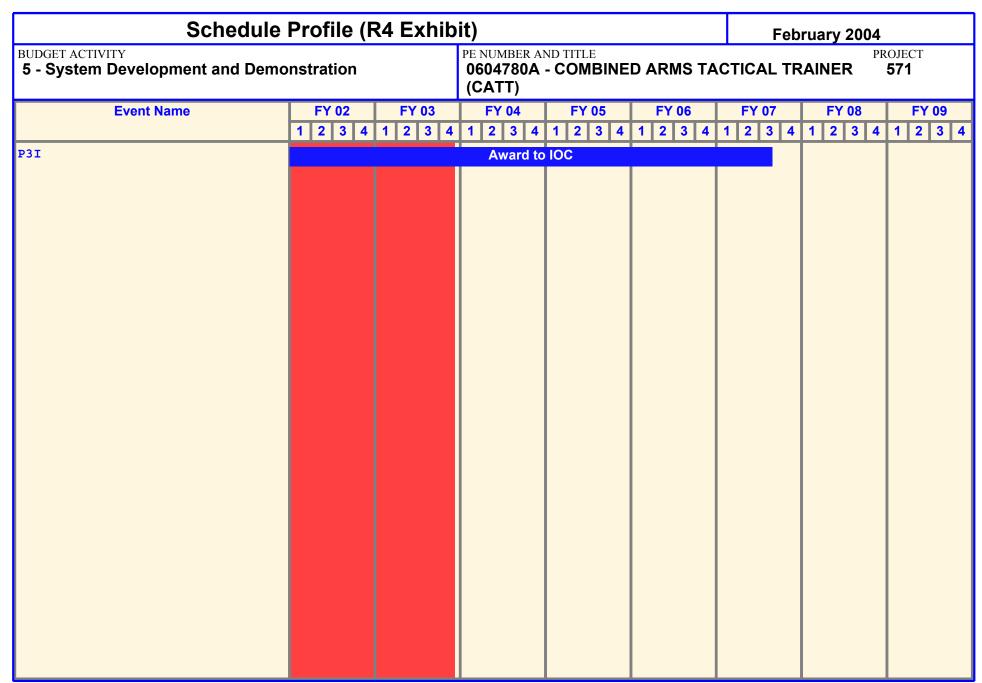
ARMY RDT&E COST ANALYSIS(R3) February 2004 **BUDGET ACTIVITY** PE NUMBER AND TITLE PROJECT 5 - System Development and Demonstration 0604780A - COMBINED ARMS TACTICAL TRAINER 571 (CATT) I. Product Development Contract Performing Activity & Total FY 2003 FY 2003 FY 2004 FY 2004 FY 2005 FY 2005 Cost To Total Target Method & Location PYs Cost Cost Cost Complete Cost Value of Award Award Cost Award Contract Type Date Date Date C/CPAF/T& a. CCTT SDD Lockheed/Martin 206891 0 0 0 206891 206891 M/FFP Orlando, FL b. DIMM, AAR, ATCCS C/CPFF Lockheed/Martin 29204 3447 1-2Q 0 32651 32651 Orlando, FL **BAA/CPFF** SAIC, Orlando, FL 4415 276 1-2Q 0 0 4691 4691 c. Database Development C/CPFF 0 d . SEDRIS DATABASES SAIC, Orlando, FL 500 0 0 500 500 e. CCTT Pre Planned C/CPFF SAIC, Orlando, FL 0 309 4Q 0 n 309 309 **Product Improvements** (P3I) f. CCTT Pre Planned C/TBS **TBS** 0 0 3198 2Q 4803 2Q Continue 8001 Continue Product Improvements (P3I) 241010 4032 4803 253043 Continue 3198 Continue Subtotal:

0604780A (571) CLOSE CBT TACT TRAINER Exhibit R-3 Cost Analysis

BUDGET ACTIVITY 5 - System Development and Demonstration PER NUMBER AND TITLE 0604780A - COMBINED ARMS TACTICAL TRAINER (CATT) II. Support Cost Contract Method & Cocation Type A contract Normal Cost Subtotal: Contract Method & Contract Method & Contract Method & Cocation Type A contract Method & Cocation Type Date Date Performing Activity & Total Pry 2003 Pry 2003 Pry 2003 Pry 2003 Pry 2004 Pry 2004 Pry 2005 Pr
Method & Type a . Engineering and Technical Support MIPRs/T&M Various activities 32062 0 0 0 0 0 0 0 0 0 0 0 0 0
Technical Support
Subtotal: II. Test and Evaluation Contract Method & Type Performing Activity & Total Pys Cost
III. Test and Evaluation Contract Method & Location Pys Cost Pys Cost Cost Date Pys Cost Date Contract Contract Contract Note Cost Date Date Cost Date Cost Cost Cost Cost Cost Contract Contract Contract Note Cost Cost Cost Cost Cost Cost Cost Cost

	ARM	Y RDT&E CO	ST AN	ALYS	S(R3)				Feb	ruary 20	04				
BUDGET ACTIVITY 5 - System Develop	ment and	l Demonstration		060	JMBER ANI 4780A - ATT)	O TITLE COMBIN	ED ARM	S TACT	ICAL TR	AINER	PROJECT ER 571				
V. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Complete		Targe Value o Contrac			
a . Project Office Support	MIPR	PEO STRI/NAVAIR, Orlando, FL	13425	729	1-3Q	758	1-3Q	781	1-3Q	1600	17293	(
Subtotal:			13425	729		758		781		1600	17293	(

0604780A (571) CLOSE CBT TACT TRAINER Item No. 111 Page 7 of 23 855



0604780A (571) CLOSE CBT TACT TRAINER

Schedule Detail (R4a B	Exhibit)					February 2004				
BUDGET ACTIVITY 5 - System Development and Demonstration	PE NUMBER AND TITLE 0604780A - COMBINED ARMS TACTICAL TRAINER (CATT)									
Schedule Detail	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009			
P3I Software/Hardware Insertions Delivery	4Q	4Q	4Q	4Q	4Q					
SEDRIS Databases Delivery	2Q									
Army Tactical Command and Control Integration	3Q									
Enhanced Dismounted Infantry Delivery	3Q									
After Action Review Production Ready Delivery	3Q									
Mobile Theater After Action Review Award		2Q								
Enhanced-After Action Review Award		2Q								
Enhanced-Dismounted Infantry Manned Module Award		2Q								
Joint Close Air Support Improvements Award		2Q								
Enhanced-After Action Review Delivery		3Q								
Enhanced-Dismounted Infantry Module Delivery		3Q								
Generic Reconfigurable Manned Module award			1Q							
Mobile Theater AAR Delivery			1Q							
Joint Close Air Support Improvements Delivery			1Q	3Q						
Generic Reconfigurable Manned Module award				3Q						

0604780A (571) CLOSE CBT TACT TRAINER Item No. 111 Page 9 of 23

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Exhibit R-4a
Budget Item Justification

ARMY RDT&E BUDGET ITEM JUS	CATION	l (R-2A	Exhib	February 2004					
BUDGET ACTIVITY 5 - System Development and Demonstration		PE NUMBER 0604780 <i>A</i> TRAINER	A - COME	SINED A	RMS TAC	CTICAL		PROJECT 582	
COST (In Thousands)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
582 SYNTHETIC ENVIR CORE	340	1 0	10221	20673	26593	26890	18849	Continuing	Continuing

A. Mission Description and Budget Item Justification: Synthetic Environment Core (SE Core) enables the Army's Common Virtual Environment (CVE) that links system and nonsystem virtual training simulations into an integrated and interoperable training system with fair fight capability for Current, Stryker, and Future Forces; enables linkage of the CVE to the live and constructive environments for an integrated Synthetic Training Environment (STE) to support Army transformation and Combined Arms Training Strategy (CATS). These are System Development and Demonstration (SSD) enhancements to the Synthetic Environment baseline for virtual training in a Combined Arms Collective environment. The SSD will transform the current heavy force environment to support the transformation to light and medium force for virtual training. The program will provide terrain databases, aviation behaviors, Air Defense capabilities, environmental effects (e.g., wind, fog) that enable the Army, specifically the aviation community, to conduct collective training and aviation combined arms training in the virtual environment. SE Core will provide the Semi-Automated Forces (SAF) behaviors via OneSAF to represent the evolving structure, tactics, and procedures of the Army's digitized battlefield. SE Core will provide the additional aviation models to support aviation collective training, and will provide for extended environments to simulate the aviation weapon systems and communication particular to the aviation community. The program will provide for scenario development to support aviation combined arms and collective training and After Action Review (AAR) of an exercise.

Supports Aviation Functional Area Assessment (FAA), providing collective, combined arms training. This system supports the Current-to-Future and Future Force transition path of the Transformation Campaign Plan (TCP).

Accomplishments/Planned Program	FY 2003	FY 2004	FY 2005
Provide government program management, engineering, technical, contract, and test support for SE Core.	813	0	1304
Maintain support services and government agency support to program office.	188	0	0
Initiate Engineering Change Proposals (ECPs) to include visual, SAF, interoperability and manned modules. Correction of deficiencies identified in the Deficiency Report (DRs) prior to testing. Continue the aviation refinements of SE Core architecture.	2400	0	0
Develop a Standardized Terrain Database process to support the development of terrain database for virtual training devices.	0	0	3139
Development of Training Support Packages to support combined arms training in AVCATT-A and CCTT.	0	0	1977
Integration of OneSAF into AVCATT-A and CCTT.	0	0	3801

0604780A (582) SYNTHETIC ENVIR CORE Exhibit R-2A Budget Item Justification

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit) February 2004													
BUDGET ACTIVITY 5 - System Development and Demonstration PE NUMBER AND TITLE 0604780A - COMBINED ARMS TACTICAL TRAINER (CATT) PROJECT TRAINER (CATT)													
Accomplishments/Planned Program (continued) Totals							FY 200 340	1 FY 2004	FY 2005 10221				
B. Other Program Funding Summary	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Compl	Total Cost				
OPA3, Appropriation NA0173 Aviation Combined Arms Tactical Trainer	34944	10219	40803	42772	19934	17539	15640	0	181851				
OPA3, Appropriation NA0170 Close Combat Tactical Trainer (CCTT)	51053	71160	61811	63737	18799	30894	44128	0	341582				

C. Acquisition Strategy: System Development and Demonstration (SDD) competitive contract against performance specification.

0604780A (582) SYNTHETIC ENVIR CORE Item No. 111 Page 11 of 23 859

Exhibit R-2A Budget Item Justification

ARMY RDT&E COST ANALYSIS(R3) BUDGET ACTIVITY 5 - System Development and Demonstration PE NUMBER AND TITLE 0604780A - COMBINED ARMS TACTICAL TRAINER 582 (CATT)

I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost		Complete	Total Cost	Target Value of Contract
a . SE Core	C/CPAF/FPI F/FFP	L-3Com (Raytheon Systems Co.) Arlington, TX	21913	2400	2-4Q	0		0		0	24313	24313
b . SE Core	SS/FFP	Kaiser Electro-Optics, Inc.	53	0		0		0		0	53	53
c . Standardize Terrain Database Process	C/CPAF/FPI F/FFP	TBS	0	0		0		3139	1Q	800	3939	3939
d . Integration of OneSAF	C/CPAF/FPI F/FFP	TBS	0	0		0		3801	1Q	12959	16760	16989
e . Development of Training Support Packages	C/CPAF/FPI F/FFP	TBS	0	0		0		1977	1Q	7866	9843	9843
Subtotal:			21966	2400		0		8917		21625	54908	55137

Remarks: Raytheon Systems Co. has sold this part of their company to L-3Com.

ARMY RDT&E COST ANALYSIS(R3) February 2004 BUDGET ACTIVITY PE NUMBER AND TITLE PROJECT 5 - System Development and Demonstration 0604780A - COMBINED ARMS TACTICAL TRAINER 582 (CATT) II. Support Cost Contract Performing Activity & Total FY 2003 FY 2003 FY 2004 FY 2004 FY 2005 FY 2005 Cost To Total Target Method & Location PYs Cost Cost Cost Award Complete Cost Value of Award Award Cost Date Date Contract Type Date a . Engineering Services C/FFP/T&M Madison Research 504 0 0 504 & Technical Support Orlando, FL b. Engineering Services C/FFP/T&M AST, Inc., Orlando, FL 0 0 n 124 0 124 & Technical Support Strategic Performance c. Program Support **FFP** 11 0 0 0 11 0 Institute, Laguna Hills, CA d . Program Support 93 **MIPR** PM Comanche. 0 4Q 0 0 93 0 Redstone Arsenal, AL e . Engineering Services **MIPR** CECOM, Ft. Belvoir, 15 2Q 0 15 0 & Technical Support VA f. Engineering Services & **MIPR** DSCRM. Ft. 69 3Q 0 0 69 0 Technical Support Leavenworth, KS g. Engineering Services **MIPR** ARL HRED. Aberdeen 2Q 0 0 & Technical Support Proving Ground, MD h . Engineering Services **MIPR** DTC. Aberdeen 0 0 6 2Q 6 0 & Technical Support Proving Ground, MD C/FFP/T&M i. Engineering Services & AISG, Orlando, FL 0 2Q 0 0 0

0604780A (582) SYNTHETIC ENVIR CORE

Technical Support

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ARMY RDT&E COST ANALYSIS(R3) February 2004 **BUDGET ACTIVITY** PE NUMBER AND TITLE **PROJECT** 5 - System Development and Demonstration 0604780A - COMBINED ARMS TACTICAL TRAINER 582 (CATT) Total II. Support Cost Contract Performing Activity & Total FY 2003 FY 2003 FY 2004 FY 2004 FY 2005 FY 2005 Cost To Target (continued) Method & Location PYs Cost Cost Award Cost Award Cost Award Complete Cost Value of Date Date Date Contract Type 188 0 0 0 639 827 Subtotal: Target III. Test and Evaluation Contract Performing Activity & Total FY 2003 FY 2003 FY 2004 FY 2004 FY 2005 FY 2005 Cost To Total Method & Location PYs Cost Award Complete Cost Value of Cost Award Cost Award Cost Type Date Date Date Contract Operational Test a . IOT&E **MIPR** 443 0 443 0 0 Command, Ft. Hood, TX b. Software Testing **MIPR** DCMDW, Carson, CA 12 0 0 0 0 12 455 0 0 455 0 Subtotal:

Remarks: Not Applicable

BUDGET ACTIVITY 5 - System Development a	nd Demonstration			UMBER AN	D TITLE				_	PROJEC	100	
	stem Development and Demonstration			PE NUMBER AND TITLE 0604780A - COMBINED ARMS TACTICAL TRAINER (CATT)							CT !	
IV. Management Services Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Complete	Total Cost	Targe Value o Contrac	
a . Project Office Support MIPR	PEO STRI/NAVAIR Orlando TSD	1852	813	1-4Q	0		1304	1-3Q	Continue	3969	(
Subtotal:		1852	813		0		1304		Continue	3969	(

0604780A (582) SYNTHETIC ENVIR CORE

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Schedule	Profile (R	4 Exhib	it)			Feb	ruary 2004	
BUDGET ACTIVITY 5 - System Development and Demo	nstration		PE NUMBER AN 0604780A (CATT)	ND TITLE - COMBINE	D ARMS TA		PR	ојест 582
Event Name	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	FY 08	FY 09
	1 2 3 4		1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
Development - Aviation Focus	Aviation	Products						
SE Core Development					Comm	on Virtual Pro	oducts	

0604780A (582) SYNTHETIC ENVIR CORE

Schedule Detail (R4a B	Exhibit)					February 2004			
BUDGET ACTIVITY 5 - System Development and Demonstration	PE NUMBER AND TITLE 0604780A - COMBINED ARMS TACTICAL TRAINER (CATT)								
Schedule Detail	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009		
Software Build 4 Test	1Q								
System Combined Test (SCT)	2Q								
Mission Planning	4Q								
SAF Interoperability (other Aviation Sims.)	4Q								
Visual and Manned Modules	4Q								
Initial Operational Test and Evaluation (IOT&E)	4Q								
Standardized Terrain Database Process Award			1Q						
Integration of OneSAF into AVCATT-A /CCTT Award			1Q						
Standardized Terrain Database Process Delivery				1Q					
Integration of OneSAF into AVCATT-A and CCTT					4Q				
Development of Training Support Packages				4Q	4Q	4Q	4Q		

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	ARMY RDT&E BUDGET ITEM JUS	STIFIC	CATION	(R-2A	Exhib	it)	F	ebruary 2	2004	
	ACTIVITY tem Development and Demonstration		PE NUMBER 0604780 TRAINER	A - COME		RMS TAC	CTICAL		PROJECT 585	
	COST (In Thousands)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
585	AVIATION COMBINED ARMS TACTICAL TRAINER		0 0	8044	7430	8175	2475	0	0	26124

A. Mission Description and Budget Item Justification: The Aviation Combined Arms Tactical Trainer-Aviation Reconfigurable Manned Simulator (AVCATT-A) is an Army aviation training system for both the Active Component (AC) and Reserve Component (RC) which completed Initial Operational Test & Evaluation (IOT&E) on 1 August 2003. A single suite of equipment consists of two (2) mobile trailers housing six (6) reconfigurable networked simulators that support the AH-64A/D, UH-60A/L, CH-47D, OH-58D, and Comanche platforms. Supporting roleplayer, semi-automated blue and opposing forces (SAF), and after action review (AAR) workstations are also provided as part of each suite. AVCATT-A is a fully mobile system, capable of utilizing shore and generator power and is transportable worldwide. The AVCATT-A system will permit various aviation units to conduct collective task training on a real-time, computerized battlefield in a combined arms scenario. Other required elements that are present on the modern, high intensity battlefield, such as the combat support and combat service support elements are an integral part of the simulation database. AVCATT-A is designed to provide realistic, high intensity collective and combined arms training to aviation units. AVCATT-A supports the Aviation Transformation Plan and the Aviation Combined Army Training Strategy.

This System Development and Demonstration (SDD) effort will fund the AVCATT-A/Comanche configuration to support Comanche IOTE train-up (initial training baseline) in June 2008. Additionally, funds will be used to perform a Helmet Mounted Visual Display study and a Security Assessment. Engineering Change Proposals will be initiated to enhance Classified Operations and the Unmanned Aerial Vehicle capability.

This system supports the Future transition path of the Transformation Campaign Plan (TCP) and is a subordinate simulation system of Future Combat Systems (FCS).

Accomplishments/Planned Program	FY 2003	FY 2004	FY 2005
Initiate System Development and Demonstration efforts to fund the AVCATT-A/Comanche configuration to support Comanche	0	0	4740
IOTE train-up (initial training baseline) June 2008.			
Initiate Engineering Change Proposals (ECPs) for refinements to the Classified Operations and Unmanned Aerial Vehicle	0	0	3179
(UAV) capabilities.			
Provide government program management, engineering, technical, contract and test support for AVCATT-A refinements.	0	0	125
Totals	0	0	8044

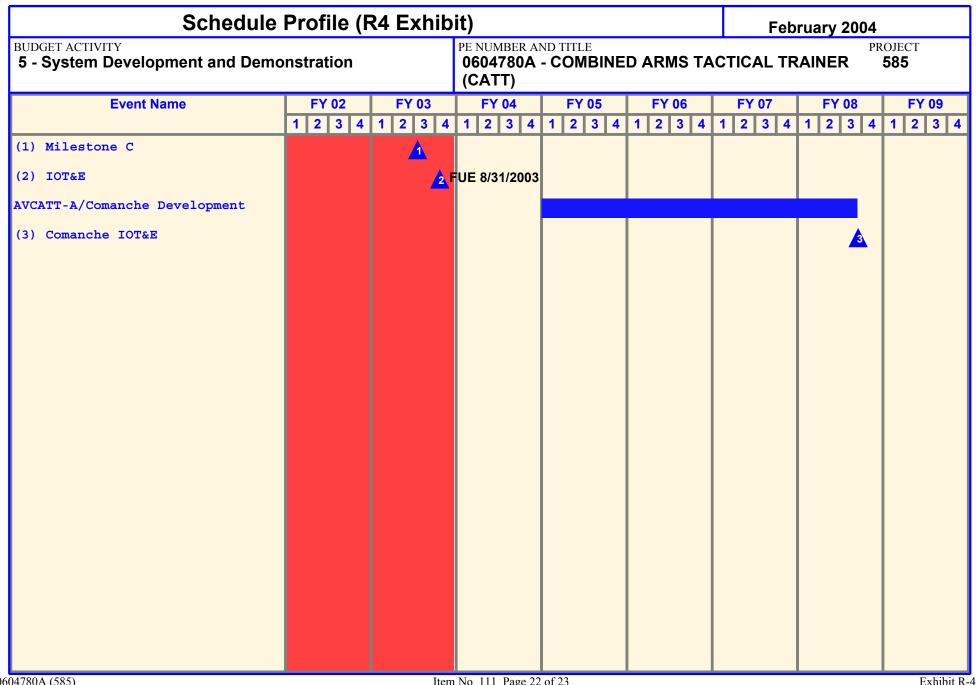
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ARMY RDT&E BUDGET ITEM JU	JSTIFI	CATIC	N (R-	2A Ex	hibit)		Febru	ary 2004	
BUDGET ACTIVITY 5 - System Development and Demonstration		060478	BER AND T BOA - CO ER (CA	MBINE	TACTIO	PROJECT 585			
B. Other Program Funding Summary	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Compl	Total Cost
OPA3, Appropriation NA0173 Aviation Combined Arms Tactical Trainer	34944	10219	40803	42772	19934	17539	15640	0	207078
C. Acquisition Strategy: System Development and Demonstration (S	DD) compe	titive contra	act against	performanc	e specificat	ion.			

		RDIGECO	ST AN	ALYS	IS(R3)				Feb	ruary 20	04			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604780A - COMBINED ARMS TACTICAL TRAINER (CATT)							PROJECT 585		
Me	ontract lethod & ype	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Targe Value o Contrac		
a. AVCATT-A C/	C/CPAF/FPI F/FFP	L3Com (Raytheon Systems Co.), Arlington, TX	0	0		0		7919	1Q	Continue	7919	8099		
Subtotal:			0	0		0		7919		Continue	7919	8099		
Me	ontract lethod & ype	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Targe Value o Contrac		
		Location	F 15 Cost	Cost		Cost		Cost		Complete	Cost	Contrac		
Subtotal:			0	0		0		0		0	0	(

	ARM	Y RDT&E CO	ST AN	ALYS	IS(R3)				Feb	ruary 20	04			
BUDGET ACTIVITY 5 - System Develor	ment and	d Demonstration		060	PE NUMBER AND TITLE 0604780A - COMBINED ARMS TACTICAL TRAINER (CATT) PROJECT 585									
II. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost To Complete	Total Cost	Targe Value o Contrac		
Subtotal:			0	0		0		0		0	0	(
V. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date		Total Cost	Targe Value o Contrac		
a . Project Office Support		PEO STRI, Orlando, Florida	0	0		0		125	1-4Q	Continue	125	(
Subtotal:			0	0		0		125		Continue	125	C		
Project Total Cost:			0	0		0		8044		Continue	8044	8099		



Schedule Detail (R4a B	Exhibit)					February 2004				
BUDGET ACTIVITY 5 - System Development and Demonstration	PE NUMBER AND TITLE 0604780A - COMBINED ARMS TACTICAL TRAINER (CATT)									
Schedule Detail_	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009			
AVCATT-A Milestone C	2Q									
AVCATT-A Initial Operational Test and Evaluation (IOT&E)	3Q									
AVCATT-A/Comanche Configuration Award			1Q	1Q	1Q	1Q				
Comanche IOT&E						3Q				