

# ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2004

## BUDGET ACTIVITY

### 5 - System Development and Demonstration

## PE NUMBER AND TITLE

0604321A - ALL SOURCE ANALYSIS SYSTEM

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	54341	19959	5346	8373	8884	17023	15401	Continuing	Continuing
B19 ASAS EVOLUTIONARY ACQ (TIARA)	52019	17856	4094	7035	5307	15015	13330	Continuing	Continuing
B41 CI/HUMINT SOFTWARE PRODUCTS (TIARA)	2322	2103	928	1015	3254	1686	1750	Continuing	Continuing
B44 ASAS TADSS (TIARA)	0	0	199	198	198	198	198	Continuing	Continuing
B49 CHIMS TADSS (TIARA)	0	0	125	125	125	124	123	Continuing	Continuing

**A. Mission Description and Budget Item Justification:** The All Source Analysis System (ASAS) program is the flagship intelligence fusion system for the Army. The ASAS provides automated support to intelligence analysis, the management of intelligence and electronic warfare resources, and the production and dissemination of intelligence to warfighting commanders and staff. Variants of ASAS are found at all echelons in the Army, from theater down to battalion, enabling the rapid dissemination of the all-source fusion picture of the current threat to forward combat maneuver battalions. The system is the Army intelligence interface to the warfighter Army Battle Command System (ABCS) and to the Joint Global Command and Control System (GCCS), and provides the automated ground threat picture to the Joint Common Operational Picture (COP). ACE is the Distributed Common Ground System - Army (DCGS-A) fusion component. The ASAS system is interoperable with national military intelligence database standards and the Defense Information Infrastructure Common Operating Environment (COE) aka Network Centric Enterprise Services (NCES). ASAS reliance on commercial-based hardware and a true "open" architecture allows continued interoperability with current intelligence legacy systems, while ensuring a smooth evolution to the future.

The All Source Analysis System (ASAS) is a ground based, mobile, command and control, intelligence processing system that provides tactical commanders a common view of the battlefield and a means for gaining a timely and comprehensive understanding of enemy force deployments, capabilities, and potential courses of action. ASAS provides automated support to the combat commander in the areas of intelligence, surveillance, reconnaissance, collection management, all-source fusion (signals intelligence, imagery intelligence, human intelligence, open source intelligence, and measurements and signatures intelligence), battlefield visualization, target development and situation analysis, and multi-source processing, intelligence reporting/collaboration, electronic warfare/countermeasures, and operational security as well as "digitized Army" automation support. ASAS is providing incremental evolutionary software for military intelligence operations. The system supports the Current to Future Force transition path of the Transformation Campaign Plan (TCP).

ASAS received \$12.3 million in FY03 from the Defense Emergency Response Fund (DERF) for ACE software development, Foreign Area Language Conversion (FALCON) language translator.

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**0604321A - ALL SOURCE ANALYSIS SYSTEM****B. Program Change Summary**

	FY 2003	FY 2004	FY 2005
Previous President's Budget (FY 2004)	54366	20168	15548
Current Budget (FY 2005 PB)	54341	19959	5346
Total Adjustments	-25	-209	-10202
Congressional program reductions		-189	
Congressional rescissions			
Congressional increases			
Reprogrammings	-25	-20	
SBIR/STTR Transfer			
Adjustments to Budget Years			-10202

Change Summary Explanation: FY 2005: Funds realigned minus (\$10,202K) to higher priority requirements.

# ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)

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PROJECT  
**B19**

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
B19 ASAS EVOLUTIONARY ACQ (TIARA)	52019	17856	4094	7035	5307	15015	13330	Continuing	Continuing

**A. Mission Description and Budget Item Justification:** The All Source Analysis System (ASAS) is a ground based, mobile, command and control, intelligence processing system that provides tactical commanders a common view of the battlefield and a means for gaining a timely and comprehensive understanding of enemy force deployments, capabilities, and potential courses of action. ASAS provides automated support to the combat commander in the areas of intelligence, surveillance, reconnaissance, collection management, all-source fusion (signals intelligence, imagery intelligence, human intelligence, open source intelligence, and measurements and signatures intelligence), battlefield visualization, target development and situation analysis, and multi-source processing, intelligence reporting/collaboration, electronic warfare/countermeasures, and operational security as well as "digitized Army" automation support. ASAS is providing incremental evolutionary software for military intelligence operations. The system supports the Current to Future Force transition path of the Transformation Campaign Plan (TCP).

\$12.3 million was provided in FY03 from DERF funding for ACE software development, Foreign Area Language Conversion (FALCON) language translator.

<b>Accomplishments/Planned Program</b>	<b>FY 2003</b>	<b>FY 2004</b>	<b>FY 2005</b>
Continue SDD of ASAS Light V6, RWS V6 and Analysis Control Element (ACE)	49422	0	0
Complete ASAS Light V6 and RWS V6 Developmental Test and Continuous Evaluation	263	0	0
Conduct ACE Development and Test	2334	7576	0
Conduct SDD of Software Blocking 1(SWB1)	0	8331	0
Conduct SWB1 Continuous Evaluation	0	500	0
Conduct SDD of Software Blocking 2 (SWB2)	0	1449	0
Resolve high priority Software Anomaly Reports (SARs), Safety, and Interoperability issues and provide DII COE/NCES (Network Centric Enterprise Services) maintenance for ASAS Light and ACT-E	0	0	2094
Comply with DoD mandates	0	0	2000
<b>Totals</b>	<b>52019</b>	<b>17856</b>	<b>4094</b>

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PROJECT

**B19**

## **B. Other Program Funding Summary**

	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Compl	Total Cost
OPA (K28801) ASAS Modules	60966	46538	15979	21504	12473	38590	43607	Continuing	Continuing
Spares (BS9704)	752	1031	3199	3469	2467	3074	2384	Continuing	Continuing
RDTE (375208.D06) ASAS/DCGS-A	0	1323	7719	14832	19792	9895	9887	Continuing	Continuing

**C. Acquisition Strategy:** The ASAS development program will build upon and expand the capabilities and functionality developed and produced in the ASAS Block I System including conversion to the Army Common Hardware/Software and the Defense Information Infrastructure Common Operating Environment/Network Centric Enterprise Services (DII COE/NCES) and Modernized Integrated Database (MIDB). ASAS is being developed using a block upgrade acquisition strategy.

- ASAS Block I: Current fielded ruggedized, tactical systems at Active Component (AC) corps, divisions, and the institutional training base.

- ASAS-Extended: Current system that provides the rest of the AC and National Guard enhanced separate brigades with an interim ASAS capability by operating Block I software on commercial hardware.

- ASAS Block II: Next generation intelligence fusion system. Uses Army Tactical Command and Control System (ATCCS) common hardware and software, built on the DII COE/NCES standard. Provides open architecture, assured interoperability, and enhanced capability with room for growth. Block II is currently in advanced development and anticipate fielding to begin in FY06.

- Army Software Blocking: ASAS Light synchronizes with software Block I Execution Phase.

The program emphasizes multiple evolutionary deliveries, with incremental enhancements of ASAS products, integrated test, and continuous evaluation opportunities. Plan to provide ACE Light P3I updates twice annually; 1 minor (SARs, performance & usability improvements); 1 major (functionality, interoperability, usability improvements; migration to Windows-based applications; enhancement of joint/coalition interoperability; and compliance with DoD mandates). ASAS builds upon experience and feedback gained from the fielded ASAS and real-world operational deployments providing the soldier with improved reliability, supportability, and survivability.

ARMY RDT&E COST ANALYSIS(R3)									February 2004			
BUDGET ACTIVITY <b>5 - System Development and Demonstration</b>					PE NUMBER AND TITLE <b>0604321A - ALL SOURCE ANALYSIS SYSTEM</b>					PROJECT <b>B19</b>		
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	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . System Development	CPAF	Lockheed Martin, Denver, CO	221098	34404	1Q	2226	1Q	0		0	257728	0
b . Subsystem Development	GSA D.O.	Electronic Warfare Associates, Huntington, WV	9795	1000	1Q	500	1Q	0		0	11295	0
c . Subsystem Development	GSA D.O.	Austin Info Systems, Austin, TX	15900	6053	1Q	5299	1Q	514	1Q	Continue	Continue	0
d . System Engineering and Integration Efforts	MIPR	PEO C3T, Ft. Monmouth, NJ	2278	680	1Q	0		0		0	2958	0
e . SARs, Safety and Interop	MIPR	TBD	0	0		0		2094	1Q	Continue	Continue	0
Subtotal:			249071	42137		8025		2608		Continue	Continue	0

ARMY RDT&E COST ANALYSIS(R3)									February 2004			
BUDGET ACTIVITY <b>5 - System Development and Demonstration</b>					PE NUMBER AND TITLE <b>0604321A - ALL SOURCE ANALYSIS SYSTEM</b>					PROJECT <b>B19</b>		
II. Support Cost	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	Target Value of Contract
a . Facility Support	MIPR	Ft. Belvoir, VA	700	250	1Q	250	1Q	100	1Q	Continue	Continue	0
Subtotal:			700	250		250		100		Continue	Continue	0
III. 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	Target Value of Contract
a . ASAS Developmental and Operational Testing	MIPR	EPG, Ft Huachuca, AZ	3397	2334	1Q	4081	1Q	0		0	9812	0
b . Continuous Evaluation	MIPR	EPG, Ft. Huachuca, AZ	0	263	1Q	500	1Q	0	1Q	Continue	Continue	0
Subtotal:			3397	2597		4581		0		Continue	Continue	0

ARMY RDT&E COST ANALYSIS(R3)									February 2004			
BUDGET ACTIVITY 5 - System Development and Demonstration					PE NUMBER AND TITLE 0604321A - ALL SOURCE ANALYSIS SYSTEM					PROJECT B19		
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	Cost To Complete	Total Cost	Target Value of Contract
a . FFRDC	MIPR	MITRE/Washington, DC	8887	1035	1Q	250	1Q	0		0	10172	0
b . Contractor Spt	BPA	SYTEX, Inc. Vienna, VA	23442	4500	1-4Q	3250	1-4Q	486	1-4Q	Continue	Continue	0
c . Govt In House	MIPR	PM IE, Ft. Belvoir, VA	16447	1500	1-4Q	1500	1-4Q	900	1-4Q	Continue	Continue	0
Subtotal:			48776	7035		5000		1386		Continue	Continue	0
Project Total Cost:			301944	52019		17856		4094		Continue	Continue	0

Schedule Profile (R4 Exhibit)																February 2004																
BUDGET ACTIVITY 5 - System Development and Demonstration								PE NUMBER AND TITLE 0604321A - ALL SOURCE ANALYSIS SYSTEM																PROJECT B19								
Event Name	FY 04				FY 05				FY 06				FY 07				FY 08				FY 09				FY 10				FY 11			
	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	1	2	3	4
SDD					RWS. ASAS Light, ACE																											
Production and Deployment					SARS Interop, COE/NCES Maintenance																											
(1) ADM					1 ASAS Block II MS C																											
SDD					Software Blocking 1 (ASAS Light)																											
(2) ADM					2 Software Blocking 1 ADM IPR																											
SDD	Software Blocking 2 (Light Updates)																															
(3) ADM													3 Software Blocking 2 ADM IPR																			



Schedule Detail (R4a Exhibit)						February 2004	
BUDGET ACTIVITY <b>5 - System Development and Demonstration</b>			PE NUMBER AND TITLE <b>0604321A - ALL SOURCE ANALYSIS SYSTEM</b>			PROJECT <b>B19</b>	
<u><b>Schedule Detail</b></u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
SDD of ASAS Light V6 and RWS V6 and ACE	1-4Q	1-4Q	1-2Q				
SDD of Software Blocking 1 (SWB1) (ASAS Light)	1-4Q	1-4Q	1-2Q				
Software Blocking 1 (SWB1) ADM IPR			3Q				
SDD of Software Blocking 2 (ASAS Light Updates)		1-4Q	1-4Q	1-4Q			
Software Blocking 2 (SWB2) ADM IPR					1Q		
High priority SARs, Safety, Interop issues and DII COE/NCES maint for ASAS Light, ACT-E and ACE			3-4Q	1-4Q	1-4Q	1-4Q	1-4Q

<b>ARMY RDT&amp;E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)</b>							<b>February 2004</b>					
BUDGET ACTIVITY <b>5 - System Development and Demonstration</b>				PE NUMBER AND TITLE <b>0604321A - ALL SOURCE ANALYSIS SYSTEM</b>			PROJECT <b>B41</b>					
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
B41      CI/HUMINT SOFTWARE PRODUCTS (TIARA)				2322	2103	928	1015	3254	1686	1750	Continuing	Continuing
<p><b><u>A. Mission Description and Budget Item Justification:</u></b> The Counterintelligence/Human Intelligence (CI/HUMINT) Information Management System (CHIMS) is the Army system responsible for collection, processing, and analysis of CI/HUMINT data to satisfy tactical and strategic human intelligence requirements. CHIMS provides the automation support for Army tactical CI/HUMINT information collection, investigation, interrogation, operations, biometrics, document exploitation, and force protection. The CHIMS architecture extends from the individual agent/collector to National and Theater intelligence organizations. CHIMS is the only HUMINT automation provider for All-Source architectures for the Current to Future Force, including: ASAS Block 1 and 2, Distributed Common Ground System – Army (DCGS-A), PORTICO and Future Combat System (FCS). CHIMS systems are used to produce intelligence products to feed and maintain HUMINT databases and the All Source Correlated Data Base (ASCDB). CHIMS provides systems to both vertical and horizontal customer bases. Vertical (Army) clients include: Special Forces, Long Range Surveillance Units, all MACOMS, Reserves, National Guard, Stryker Brigade Combat Teams (SBCT), and the Intelligence School. Horizontal clients (non-Army) include U.S. Navy, U.S. Marine Corps, Joint Task Force (JTF) GTMO Cuba, and Defense Intelligence Agency (DIA). Organic automation and analysis capabilities are provided to Military Intelligence (MI) units with hand held reporting devices and to CI Staff Officers (CISO) with high capacity workstations and web servers, providing collection management, asset management, transmission, receipt, storage, and export of electronic data and digital imagery information including exploitation of foreign language materials and biometrics. CHIMS can produce and disseminate messages and reports through an array of communications systems including: serial, SINCGARS, STE, STU, satellite, and other organic communications devices. The CHIMS suite of systems incorporates a multi-tiered architecture that reaches from handheld devices to Web servers providing multiple security level access with both brilliant push and smart pull tools to the battlefield commander and National interests. PM CHIMS develops the CI/HUMINT Automated Management Software (CHAMS), a 3rd generation product providing advanced capabilities with a soldier friendly interface. The software provides asynchronous distributed databases that use a client server schema to maintain synchronicity In-Theater. This system supports the Current-to-Future Force transition path of the Transformation Campaign Plan (TCP).</p> <p>FY05 funding continues the spiral development of CHAMS functionality.</p>												
<b><u>Accomplishments/Planned Program</u></b>									FY 2003	FY 2004	FY 2005	
Continue spiral development of CHAMS functionality.									2101	1773	210	
Develop hardware improvements for CHATS, ITRT and CI and I OP Workstations.									0	0	90	

# ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)

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PROJECT

**B41**

## Accomplishments/Planned Program (continued)

	FY 2003	FY 2004	FY 2005
Continue development of CI/HUMINT SS WS and Human Domain Server	60	156	298
Continue Test and Security Accreditation efforts.	161	174	80
Support V4.2 SW	0	0	250
Totals	2322	2103	928

## B. Other Program Funding Summary

	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Compl	Total Cost
RDTE (PE 35208, Proj 956) DCGS-A (JMIP)	44805	13504	9652	9935	10232	11060	11645	Continuing	Continuing
OPA (BK5275) CHIMS (TIARA)	9490	14543	2924	729	6547	3280	5911	Continuing	Continuing
RDTE (PE 64321, Project B49) CHIMS TADSS	0	0	128	126	124	128	128	0	634

**C. Acquisition Strategy:** The CI/HUMINT Automated Management Software (CHAMS), a common software baseline, is being developed under a competitively awarded Indefinite Delivery/Indefinite Quantity (ID/IQ) type contract. CHAMS will be tested and integrated into three of the CI/HUMINT product lines (CI/HUMINT Automated Tool Set (CHATS), Individual Tactical Reporting Tool (ITRT), and Counterintelligence & Interrogation Operations (CI&I OPS) workstation). CHAMS will be continuously improved through spiral development to keep pace with evolving capability requirements. The hardware for all product lines is an integration of commercial off-the-shelf (COTS) hardware, which, through market research will be evaluated to provide the necessary technology upgrades to keep CHIMS' users at the forefront of intelligence automation. This integration of new development and COTS/GOTS ensures both a cost and time to field advantage for CHIMS clients.

ARMY RDT&E COST ANALYSIS(R3)									February 2004			
BUDGET ACTIVITY <b>5 - System Development and Demonstration</b>					PE NUMBER AND TITLE <b>0604321A - ALL SOURCE ANALYSIS SYSTEM</b>					PROJECT <b>B41</b>		
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	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . CI/HUMINT Utilities SW Development	IDIQ Competitive	Northrop Grumman, Sierra Vista, AZ	224	0		0		0		0	224	0
b . CHAMS Software	IDIQ Competitive	Northrop Grumman, Sierra Vista, AZ	2333	1754	2Q	1248	2Q	171	2Q	Continue	5506	0
c . CHATS Development	Competitive T&M	TAMSCO, Eatontown, NJ	1808	0		0		0		Continue	1808	0
d . CI/HUMINT SS SW Development	IDIQ Competitive	Northrop Grumman, Sierra Vista, AZ	0	50	2Q	0		0		0	50	0
e . CI & I OPS WS Integration	Competitive T&M	TAMSCO, Eatontown, NJ	1566	0		0		0		Continue	1566	0
f . ITRT Development	Competitive T&M	TAMSCO, Eatontown, NJ	444	0		0		0		Continue	444	0
g . Refugee Management System	CPFF	EWA, Fairmont, WV	3000	0		0		0		0	3000	0
Subtotal:			9375	1804		1248		171		Continue	12598	0

ARMY RDT&E COST ANALYSIS(R3)									February 2004			
BUDGET ACTIVITY <b>5 - System Development and Demonstration</b>					PE NUMBER AND TITLE <b>0604321A - ALL SOURCE ANALYSIS SYSTEM</b>					PROJECT <b>B41</b>		
II. Support Cost	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	Target Value of Contract
a . Facility Support	MIPR	PM NVRSTA, Ft. Belvoir, VA	505	50	1-2Q	50	1Q	50	1Q	Continue	Continue	0
b . Contractor Support	BPA	The Sytex Group/Logicon Fort Belvoir, VA	1437	135	1-2Q	111	1Q	47	1Q	Continue	Continue	0
c . Matrix Support	MIPR	I2WD, CECOM Fort Monmouth, NJ	148	110	1-2Q	110	1Q	50	1Q	Continue	418	0
Subtotal:			2090	295		271		147		Continue	Continue	0
III. 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	Target Value of Contract
a . Developmental Test	MIPR	PRC, McLean, VA	401	0		0		40	2Q	0	441	0
b . Developmental Test	MIPR	EPG, Ft. Huachuca, AZ	304	0		0		100	2Q	0	404	0
c . Test Support and Interoperability	MIPR	Ft. Hood and Ft. Huachuca	0	35	2Q	120	2Q	100	2Q	Continue	255	0
d . Operational Test	MIPR	IEWTD, Ft. Huachuca, AZ	79	0		0		0		0	79	0

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III. Test and Evaluation (continued)	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	Target Value of Contract
e . Test Articles	MIPR	ESS, Frederick, MD	120	0		0		0		0	120	0
f . Security Accreditation Collateral	MIPR	CECOM, Ft. Monmouth, NJ	105	60	2Q	70	2Q	70	2Q	Continue	305	0
g . SCI PL2	MIPR	CECOM, Ft. Monmouth, NJ	0	0		80	2Q	80	2Q	0	160	0
h . SCI PL2 Certification	MIPR	CECOM, Ft. Monmouth, NJ	0	0		160	2Q	160	2Q	0	320	0
Subtotal:			1009	95		430		550		Continue	2084	0
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	Cost To Complete	Total Cost	Target Value of Contract
a . Government In House		PM DCGS-A/CHIMS Fort Monmouth NJ	521	128	1-4Q	154	1-4Q	60	1-4Q	Continue	863	0
Subtotal:			521	128		154		60		Continue	863	0
Project Total Cost:			12995	2322		2103		928		Continue	Continue	0

Schedule Profile (R4 Exhibit)																				February 2004												
BUDGET ACTIVITY 5 - System Development and Demonstration										PE NUMBER AND TITLE 0604321A - ALL SOURCE ANALYSIS SYSTEM										PROJECT B41												
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				
CHAMS Software Development	Continuous CHAMS Dev																															
(1) CHAMS Software Delivery					1 IDCGS-A v4.1																											
(2) CHAMS Software Delivery									2 ACE																							
(3) CHAMS Beta Delivery									3 CHAMS Beta Delivery																							
(4) CHAMS Final													4 CHAMS Final																			
(5) CHAMS Software Delivery													5 CHAMS																			
Support CHAMS 4.2																	Support CHAMS 4.2															
DT&E	CHAMS v4.1 DT 2																															
OT&E	CHATS V3/ITRT V1/OPS WS V1 OT&E																															
(6) MS C					6 CHATS v3/ITRT v1/CI&I OPS v1																											
(7) FUE					7 SBCT #2																											
(8) Stryker Brigade Combat Team (SBCT) Fielding									8 SBCT #3																							
(9) IDCGS-A									9 IDCGS-A																							
(10) Stryker Brigade Combat Team (SBCT) Fielding													10 SBCT #5																			
(11) Stryker Brigade Combat Team (SBCT) Fielding																	11 SBCT #6															
Begin Next Generation CHAMS SW Development																	Next Generation CHAMS SW Dev															

Schedule Detail (R4a Exhibit)						February 2004	
BUDGET ACTIVITY <b>5 - System Development and Demonstration</b>			PE NUMBER AND TITLE <b>0604321A - ALL SOURCE ANALYSIS SYSTEM</b>			PROJECT <b>B41</b>	
<u><b>Schedule Detail</b></u>	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
CHAMS Software Spiral Development	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q
Continue CHATS software development and hardware improvements	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	
Complete CI & I OPS software development and continue development of hardware/software	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	
Complete CHS I Ops software development and hardware improvements	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q	
Continue ITRT software development and hardware improvements	1-4Q	1Q					
Continue SS Workstation software development	4Q						
Participate in Interim DCGS-A Fielding III Corps		4Q	1-3Q				
Support CHAMS V4.2SW		4Q	1-4Q	1-4Q			
Begin Next Generation CHAMS SW Development				1Q			
Participate in interim DCGS-A Demo		3Q					
Complete CHAMS V4.2 development		3Q					



# ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)

February 2004

BUDGET ACTIVITY

**5 - System Development and Demonstration**

PE NUMBER AND TITLE

**0604321A - ALL SOURCE ANALYSIS SYSTEM**

PROJECT

**B44**

COST (In Thousands)	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Cost to	Total Cost
	Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Complete	
B44 ASAS TADSS (TIARA)	0	0	199	198	198	198	198	Continuing	Continuing

**A. Mission Description and Budget Item Justification:** The All Source Analysis System (ASAS) is a ground based, mobile, command and control, intelligence processing system that provides tactical commanders a common view of the battlefield and a means for gaining a timely and comprehensive understanding of enemy force deployments, capabilities, and potential courses of action. ASAS provides automated support to the combat commander in the areas of intelligence, surveillance, reconnaissance, collection management, all-source fusion (signals intelligence, imagery intelligence, human intelligence, open source intelligence, and measurements and signatures intelligence), battlefield visualization, target development and situation analysis, and multi-source processing, intelligence reporting/collaboration, electronic warfare/countermeasures, and operational security as well as "digitized Army" automation support. ASAS is providing incremental evolutionary software for military intelligence operations. The system supports the Current to Future Force transition path of the Transformation Campaign Plan (TCP).

## Accomplishments/Planned Program

	FY 2003	FY 2004	FY 2005
Training Aids Devices Simulators and Simulations	0	0	199
Totals	0	0	199

**B. Other Program Funding Summary:** Not applicable for this item.

**C. Acquisition Strategy:** Not applicable for this item.

ARMY RDT&E COST ANALYSIS(R3)									February 2004			
BUDGET ACTIVITY <b>5 - System Development and Demonstration</b>					PE NUMBER AND TITLE <b>0604321A - ALL SOURCE ANALYSIS SYSTEM</b>					PROJECT <b>B44</b>		
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	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Training Aids Devices Simulators and Simulations	TBD	TBD	0	0		0		199	1Q	Continue	Continue	0
Subtotal:			0	0		0		199		Continue	Continue	0
II. Support Cost	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	Target Value of Contract
Subtotal:			0	0		0		0		0	0	0

ARMY RDT&E COST ANALYSIS(R3)									February 2004				
BUDGET ACTIVITY					PE NUMBER AND TITLE					PROJECT			
5 - System Development and Demonstration					0604321A - ALL SOURCE ANALYSIS SYSTEM					B44			
III. 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	Target Value of Contract	
			0	0		0		0		0	0	0	
Subtotal:													
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	Cost To Complete	Total Cost	Target Value of Contract	
			0	0		0		0		0	0	0	
Subtotal:													
Project Total Cost:			0	0		0		199		Continue	Continue	0	

<b>ARMY RDT&amp;E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)</b>							<b>February 2004</b>					
BUDGET ACTIVITY <b>5 - System Development and Demonstration</b>				PE NUMBER AND TITLE <b>0604321A - ALL SOURCE ANALYSIS SYSTEM</b>				PROJECT <b>B49</b>				
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
B49 CHIMS TADSS (TIARA)				0	0	125	125	125	124	123	Continuing	Continuing
<p><b>A. Mission Description and Budget Item Justification:</b> The Counterintelligence/Human Intelligence (CI/HUMINT) Information Management System (CHIMS) is the Army system responsible for collection, processing, and analysis of CI/HUMINT data to satisfy tactical and strategic human intelligence requirements. CHIMS provides the automation support for Army tactical CI/HUMINT information collection, investigation, interrogation, operations, biometrics, document exploitation, and force protection. The CHIMS architecture extends from the individual agent/collector to National and Theater intelligence organizations. CHIMS is the only HUMINT automation provider for All-Source architectures for the Current to Future Force, including: ASAS Block 1 and 2, Distributed Common Ground System – Army (DCGS-A), PORTICO and Future Combat System (FCS). CHIMS systems are used to produce intelligence products to feed and maintain HUMINT databases and the All Source Correlated Data Base (ASCDB). CHIMS provides systems to both vertical and horizontal customer bases. Vertical (Army) clients include: Special Forces, Long Range Surveillance Units, all MACOMS, Reserves, National Guard, Stryker Brigade Combat Teams (SBCT), and the Intelligence School. Horizontal clients (non-Army) include U.S. Navy, U.S. Marine Corps, Joint Task Force (JTF) GTMO Cuba, and Defense Intelligence Agency (DIA). Organic automation and analysis capabilities are provided to Military Intelligence (MI) units with hand held reporting devices and to CI Staff Officers (CISO) with high capacity workstations and web servers, providing collection management, asset management, transmission, receipt, storage, and export of electronic data and digital imagery information including exploitation of foreign language materials and biometrics. CHIMS can produce and disseminate messages and reports through an array of communications systems including: serial, SINCGARS, STE, STU, satellite, and other organic communications devices. The CHIMS suite of systems incorporates a multi-tiered architecture that reaches from handheld devices to Web servers providing multiple security level access with both brilliant push and smart pull tools to the battlefield commander and National interests. PM CHIMS develops the CI/HUMINT Automated Management Software (CHAMS), a 3rd generation product providing advanced capabilities with a soldier friendly interface. The software provides asynchronous distributed databases that use a client server schema to maintain synchronicity In-Theater. This project provides Training Aids, Devices, Simulators and Simulations (TADSS) for CHIMS.</p> <p>This system supports the Current Force to Future Force transition path of the Transformation Campaign Plan.</p> <p>FY05 begins the development of the TADSS for CHIMS.</p>												
<b><u>Accomplishments/Planned Program</u></b>									<b>FY 2003</b>	<b>FY 2004</b>	<b>FY 2005</b>	
Develop Training Aids, Devices, Simulators and Simulations for CHIMS systems.									0	0	125	
<b>Totals</b>									0	0	125	

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)		February 2004
BUDGET ACTIVITY <b>5 - System Development and Demonstration</b>	PE NUMBER AND TITLE <b>0604321A - ALL SOURCE ANALYSIS SYSTEM</b>	
		PROJECT <b>B49</b>
<p><b><u>B. Other Program Funding Summary:</u></b> Not applicable for this item.</p>		
<p><b><u>C. Acquisition Strategy:</u></b>The CI/HUMINT Automated Management Software (CHAMS), a common software baseline, is being developed under a competitively awarded Indefinite Delivery/Indefinite Quantity (ID/IQ) type contract. CHAMS will be tested and integrated into three of the CI/HUMINT product lines (CI/HUMINT Automated Tool Set (CHATS), Individual Tactical Reporting Tool (ITRT), and Counterintelligence &amp; Interrogation Operations (CI&amp;I OPS) workstation). CHAMS will be continuously improved through spiral development to keep pace with evolving capability requirements. The hardware for all product lines is an integration of commercial off-the-shelf (COTS) hardware, which, through market research will be evaluated to provide the necessary technology upgrades to keep CHIMS' users at the forefront of intelligence automation. The acquisition strategy for CHIMS Training Aids, Devices, Simulators and Simulations has not yet been determined.</p>		

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		PROJECT <b>B49</b>
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ARMY RDT&E COST ANALYSIS(R3)									February 2004				
BUDGET ACTIVITY					PE NUMBER AND TITLE					PROJECT			
5 - System Development and Demonstration					0604321A - ALL SOURCE ANALYSIS SYSTEM					B49			
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	FY 2005 Award Date	Cost To Complete	Total Cost	Target Value of Contract	
a . Training Aids, Devices, Simulators and Simulations	TBD	TBD	0	0		0		125		0	125	0	
Subtotal:			0	0		0		125		0	125	0	
II. Support Cost	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	Target Value of Contract	
Subtotal:			0	0		0		0		0	0	0	

ARMY RDT&E COST ANALYSIS(R3)									February 2004				
BUDGET ACTIVITY					PE NUMBER AND TITLE					PROJECT			
5 - System Development and Demonstration					0604321A - ALL SOURCE ANALYSIS SYSTEM					B49			
III. 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	Target Value of Contract	
			0	0		0		0		0	0	0	
Subtotal:													
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	Cost To Complete	Total Cost	Target Value of Contract	
			0	0		0		0		0	0	0	
Subtotal:													
Project Total Cost:			0	0		0		125		0	125	0	