

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2007

BUDGET ACTIVITY		PE NUMBER AND TITLE								
5 - System Development and Demonstration		0604805A - Command, Control, Communications Systems - Eng Dev								
COST (In Thousands)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	309036	13037	10047	9858	10155	10444	10674	10908	Continuing	Continuing
485 Info Standards Interop Eng/Joint Interop Cert	5019	5179	4838	4792	4884	5175	5289	5405	Continuing	Continuing
589 ARMY SYS ENGINEERING & WARFIGHTING TECH SUP	5215	7858	5209	5066	5271	5269	5385	5503		44776
615 JTRS-GROUND DOMAIN INTEGRATION	167069									264301
61A JTRS CLUSTER 5 DEVELOPMENT	124641									220683
F99 NUCLEAR ARMS CTRL TECH - SENSORE NETWORK MONIT	7092									22661

A. Mission Description and Budget Item Justification: This Program Element (PE) supports efforts to develop interoperability of Army programs and products, horizontally and vertically for the digitized battlefield. Project D485 supports Information Standards Interoperability Engineering and Joint Interoperability Certification. It provides the critical elements of the Army/Joint Technical Architecture, the mandated standards and communication protocols for Army/Joint ground and air operations, and crucial certification test tools to evaluate systems; interoperability for the Warfighter in support of the Vice Chief of Staff of the Army (VCSA) and Army Acquisition Executive (AAE). It also provides Joint certification testing and certification recommendations to the Joint Chiefs of Staff (JCS) for Army systems. This Army-wide effort directly supports the management, oversight, development, maintenance, and interoperability at the Army enterprise level C4I/IT (Command, Control, Communications, Computers, and Intelligence/Information Technology) architecture efforts required to implement Unit Set Fielding (USF), Software Blocking (SWB) Policy and Army Knowledge Management. Project D589 Army Systems Engineering (ASE) & Warfighter Technical Support provides essential technology expertise on all Systems Engineering and Technical Architecture (SE/TA) matters critical to gain Information Dominance and foster interoperability among all Army systems. The Weapons Systems Technical Architecture (WSTA), Project D591, supports the Army's development and employment of a Real-Time and Embedded Weapon Systems Common Operation Environment (COE). The WSTA Working Group also defines the Defense Information Standards Repository (DISR) specific Weapons Domain profiles and standards (mandatory and emerging) that provide the Department of Defense "building code" which is the foundation for designing, building, fielding, and supporting interoperable systems in an expedient and cost-effective manner. Project D615 supports the JTRS Cluster 1 program, which is being renamed to Ground Mobile Radios (GMR). This project provides for the development of Ground Vehicular platforms. Project D61A supports JTRS Cluster 5 program, which is being renamed to Handheld, Manpack, and Small Form Fit (HMS) radios. This project provides for the development of three radio form factors: Handheld; Manpack (including vehicular mounted); and a family of Small Form Fit (SFF) embedded applications. Project D629, Tactical Communications System - Demonstration Validation, provides for insertion of selected proven communications technology from program elements 0602782A, Project AH92 applied research and 0603008A, advanced technology development, into the next phase of development. The Protocol Investigation for the Next Generation (PING) program evaluates and assesses emerging network protocols, concentrating on the assessment and evaluation of the next generation of Internet Protocol (IPv6) and its protocol dependencies affecting the Army Enterprise Architecture. The Applied Communications and Information Networking (ACIN) project provides for the evaluation and capitalization of emerging commercial communications and networking technologies by leveraging advances, influencing development efforts, influencing standards and delivering technical solutions in support of emerging architectures (JTA-A).

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<u>B. Program Change Summary</u>	FY 2006	FY 2007	FY 2008	FY 2009
Previous President's Budget (FY 2007)	318947	10783	10126	9876
Current BES/President's Budget (FY 2008/2009)	309036	13037	10047	9858
Total Adjustments	-9911	2254	-79	-18
Congressional Program Reductions		-50		
Congressional Rescissions				
Congressional Increases		2400		
Reprogrammings	-9911	-96		
SBIR/STTR Transfer				
Adjustments to Budget Years			-79	-18

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

February 2007

BUDGET ACTIVITY 5 - System Development and Demonstration				PE NUMBER AND TITLE 0604805A - Command, Control, Communications Systems - Eng Dev					PROJECT 485	
COST (In Thousands)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total Cost
485 Info Standards Interop Eng/Joint Interop Cert	5019	5179	4838	4792	4884	5175	5289	5405	Continuing	Continuing

A. Mission Description and Budget Item Justification: Focus for this project is to support the engineering or evaluation of commercially-available information technology (IT) tools to develop architecture products Information Technology based Command, Control, Computers, and Communications (C4/IT) systems such as Applications Program Interfaces for Weapons Systems. A significant effort will be on building Army (consistent with DoD) C4/IT technical standards-compliant Army data repositories that are web-accessible but secure. These repositories will be consistent with DoD standards and policies and virtually appear to be a single repository for Army C4/IT architecture products. FY2004-2006 are "transitioning" periods for the Army to incorporate DoD policies, procedures, and constraints.

What follows below is the retention of the original objectives of this project (modified effective FY2006):
 To support the Army Vice Chief of Staff (VCSA) and the Army Chief Information Officer/G6, as cited in the AEA Master Plan, this initiative fulfills the Clinger-Cohen Act's mandate of developing sound integrated Information Technology (IT) architectures and the Army's Software Blocking Policy. The increased combat power of the Future Force will be dependent on the information superiority of network & knowledge centric warfare and the ability of systems to be fully interoperable as a member of the joint, multinational, interagency team as well as emerging Future Force (FF) C4ISR (Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance) Systems. It identifies and reduces interoperability issues earlier in the life cycle by intra-Army/FF/Joint/combined experiments and assessments, and through the establishment & sustainment of common standards. This Army wide effort directly supports the management, oversight, development, maintenance, and interoperability of the Army enterprise level C4/IT architecture efforts required to implement Unit Set Fielding, Software Blocking and Army Enterprise Architecture (AEA). Specifically, this project resources the Army's messaging standards conformance authority in assessing compliance with the Defense Information Systems Repository (DISR), in meeting the warfighter information exchange requirements and in facilitating their interoperability. It also resources, in accordance with the DISR, the development and maintenance of the following information standards: Variable Message Format (VMF) & Combat Net Radio (CNR) protocol, which support Army/Joint ground operations; Tactical Digital Information Links (TADILs), which support Air Defense operations; and US Message Text Format (USMTF), which support Intel and Commanders operations. It provides the Army's lead for configuration management functions of these standards and test tools at both Army and Joint levels. This project resources the Army participation in joint/allied messaging certification testing & configuration management processes. This project also resources the development and fielding of a suite of four (4) crucial tools which are used throughout the entire Army. These tools which are currently under development will provide the ideal means to: a) validate JTA-A critical messaging and protocol standards; b) improve systems interoperability; c) verify/certify correct system implementations and interpretation to JTA-A; d) sustain/support digitization and transition of fielded systems; e) support Software Blocking and interoperability testing; f) provide Legacy AEA interoperability with Future Combat System (FCS) command and control systems. These crucial tools are critical to the JTA-A Compliance, Certification Testing mission & Interoperability programs. The task also supports the Army's transformation campaign while mitigating interoperability issues resulting in reducing cost & program slippages. This project also provides the Configuration Management & Control for the Software Blocking (SWB)/USF (Unit Set Fielding).

<u>Accomplishments/Planned Program:</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Develop and update architecture standards and protocols necessary to ensure C4ISR systems interoperability.	1283	1552	1543	1529
Engineer, develop & publish Army Warfighter Information Standards (i.e. XML-USMTF/VMF, Wireless XML, database exchange, etc...)	1200	1000	977	968

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

February 2007

BUDGET ACTIVITY	PE NUMBER AND TITLE			PROJECT
5 - System Development and Demonstration	0604805A - Command, Control, Communications Systems - Eng Dev			485
incorporating DoD standards requirements.				
Identify, analyze, and provide solutions to gaps in technical architecture standards requirements.	1200	1140	1065	1055
Develop and engineer Army Net-Centric Enterprise Service standards and protocols supporting OSD Global Information Grid messaging requirements and serve as Army focal point for messaging working group.	1136	1200	1121	1110
Knowledge Center Development - Build & update as necessary access to website repositories for key policies, directives, and architecture products.	200	141	132	130
Small Business Innovative Research/Small Business Technology Transfer Programs		146		
Total	5019	5179	4838	4792

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

C. Acquisition Strategy The efforts funded in this project are non-system specific, interoperability experimentation, evaluation and certification across multiple systems. The contractual efforts/services are obtained from existing competitive omnibus support service contracts.

ARMY RDT&E COST ANALYSIS (R3)

February 2007

BUDGET ACTIVITY			PE NUMBER AND TITLE									PROJECT		
5 - System Development and Demonstration			0604805A - Command, Control, Communications Systems - Eng Dev									485		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Labor	In House	USACECOM , Fort Monmouth, NJ	12529	5019		5179		4838		4792		Cont.	Cont.	
Travel	In House	USACECOM, Fort Monmouth, NJ	457									Cont.	457	
Subtotal:			12986	5019		5179		4838		4792		Cont.	Cont.	
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Development Support	C/CPFF	Arinc, Fort Monmouth, NJ	5699										5699	
Development Support	C/CPAF	Telos, Fort Monmouth, NJ	4581										4581	
Development Support	C/CPFF	CSC, Fort Monmouth, NJ	1963										1963	
Development Support	C/CPFF	C3I, Fort Monmouth, NJ	1374										1374	
Development Support	SS/CPFF	Mitre, Fort Monmouth, NJ	280										280	
Development Support/ Army Enterprise Applications Architecture	C/T&M	Binary, Ft. Belvoir, VA	46										46	
Development Support- Knowledge Center	C/T&M	ITEL, Ft Monmouth, NJ	1198										1198	
Development Support	C/T&M	ITEL, Ft Monmouth, NJ	2640									Cont.	2640	
Development Support	C/T&M	Northrop Grumman (SEC SSES), Ft Monmouth, NJ	2579									Cont.	2579	
Technical Support	C/CPFF	TFE, Fort Monmouth, NJ	95									Cont.	95	

ARMY RDT&E COST ANALYSIS (R3)

February 2007

BUDGET ACTIVITY			PE NUMBER AND TITLE										PROJECT		
5 - System Development and Demonstration			0604805A - Command, Control, Communications Systems - Eng Dev										485		
Technical Support	C/CPFF	Marconi, Fort Monmouth, NJ	183												183
Equipment	In House	USACECOM, NJ	485											Cont.	485
Equipment (Development Support)	C/FFP	GTE, Tauton, MA	106												106
Telecommunications	MIPR	USASC, Fort Huachuca, AZ	1145											Cont.	1145
Subtotal:			22374											Cont.	22374

Remarks: *Contracts/awards cited are 5 year (1 base + 4 option years). Future award dates imply future competitive award, contractor TBD.

III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:														

IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:														

Project Total Cost:			35360	5019		5179		4838		4792		Cont.	Cont.	
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Schedule Profile (R4 Exhibit)

February 2007

BUDGET ACTIVITY
5 - System Development and Demonstration

PE NUMBER AND TITLE
0604805A - Command, Control, Communications Systems - Eng Dev PROJECT
485

Event Name	FY 06				FY 07				FY 08				FY 09				FY 10				FY 11				FY 12				FY 13			
	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

Schedule Detail (R4a Exhibit)

February 2007

BUDGET ACTIVITY 5 - System Development and Demonstration	PE NUMBER AND TITLE 0604805A - Command, Control, Communications Systems - Eng Dev	PROJECT 485
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<u>Schedule Detail</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>
Knowledge Center Development	1Q - 4Q							
Army Enterprise Architecture Policy Development	1Q - 4Q							
Develop Comfiguration Management Processes	1Q - 4Q							
Engineer Warfighter C4/IT Standards	1Q - 4Q							
Evaluate, experiment, and provide systems integration for testing of ACTD, ATD,								
Experiment/Evaluate Joint Interoperability in conjunction with CIPO initiatives	1Q - 4Q							
Conduct Joint/Coalition Experiments	1Q - 4Q							
Evaluate, certify systems for and support SDD								
Evaluate, certify systems for and support FDC								
DOTE/JDEP Initial Concept/Evaluation/Experiments								
Develop and maintain Combat Net Radio (CNR) Standard								
Develop and maintain Variable Message Format (VMF) application header standards								
Develop and maintain Variable Message Format (VMF) Standards & standard databas								
Configuration Management and control of TADIL(A,B,J) and USMTF standards								
Represent Army on Army/DOD forums								
Test and promulgate Defense Collaborative Tools Set within the Army								

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

February 2007

BUDGET ACTIVITY 5 - System Development and Demonstration		PE NUMBER AND TITLE 0604805A - Command, Control, Communications Systems - Eng Dev							PROJECT 589	
COST (In Thousands)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total Cost
589 ARMY SYS ENGINEERING & WARFIGHTING TECH SUP	5215	7858	5209	5066	5271	5269	5385	5503		44776

A. Mission Description and Budget Item Justification: This project has been re-aligned to better support the mission of Army Chief of Staff (CSA) sanctioned Army Architecture Integration Cell (AAIC) for developing and, implementing and maintaining the Army Enterprise Architecture for Information Technology based Command, Control, Computers & Communications (C4/IT) systems. AAIC mission is to develop standards-based architecture products that are inter-operable within the Army as well as the with Joint, Interagency, and Multinational systems.

Through FY2005, this project funded the Army Systems Engineering Office (ASEO) with the primary mission of developing technical architecture standards without compromising DoD-mandated standards but ensuring Army C4/IT systems under development are interoperable with legacy systems still utilized by the Army warfighter, which extend from tactical levels up through operational and strategic components of the Army Battle Command Architecture (ABCA), as well as, the institutional portions of the Enterprise to include the Army's Business Enterprise Architecture (BEA). The ASEO supports the Army CIO/G6 Architecture Integration Cell (AIC) in establishing an integrated AEA framework that complements, and is a natural extension of, the GIG-Enterprise Services (GIG-ES). In addition, the ASEO is an essential contributor in the development of the JBMC2 integrated architecture, the Battle Command Architecture, and emerging Cross-Service Integrated Architecture efforts. Each of these architecture definition and integration efforts is elemental to achieving the Army's goal of a NetCentric Future Force.

Previously, the Joint Technical Architecture (JTA) and JTA-Army (JTA-A) have provided the foundation for designing, building, fielding and supporting Joint interoperable Army systems in an expedient and cost-effective manner. With the revision to the standardization process as implemented by the Defense Information Systems Agency (DISA), technical architecture standards are encompassed in the new Defense Information Systems Repository (DISR) program. The Army must participate in DISR to ensure Army requirements are adequately captured and reflected in any new baseline developed by DISA. The ASEO identifies emerging standards in support of the integration of new technologies into existing Army systems and Advanced Technology Demonstrations/Advanced Concept Technology Demonstrations (ATD/ACTDs), enabling the Army transformation to the Future Force. The ASEO's work efforts in the development and maintenance of Army IT standards within the context of DISR guidelines are critical path elements to achieve transformation, increase joint interoperability and to provide the future Army with the ability to fight and win on tomorrow's battlefields. However, the Technical Architecture (TA) alone only provides the foundation for interoperability. Integrated Army Enterprise Architectures (e.g., ABCA, BEA, etc.) fuse Operational, Systems and Technical views of the Army Enterprise into cohesive and manageable information sets that allow the Army to make consequent decisions regarding the Army's inventory of present and future systems and their associated funding. In this area the ASEO specializes in defining and exploiting (through analysis) the relationships between architectural views to provide quantitative answers to complex questions regarding the Army's future capabilities and the roadmap the Army will pursue in realizing them.

The allocated resources fund two support efforts for CIO/G6. First, subsequent to the development of the AKEA (Army Knowledge Enterprise Architecture) Guidance Document, V1.1, the effort has shifted to development of the Army Technical Reference Model (TRM) for information broker/mediation services, and mapping the Army's architecture requirements to DOD Net-Centric Operations and Warfare Reference Model, including NCES (Net-Centric Enterprise Services). Second, support of the design, development, deployment and maintenance of the AAIC (Army Architecture Integration Cell) Web-based Knowledge Center continues with increased development requirements and

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

February 2007

BUDGET ACTIVITY 5 - System Development and Demonstration	PE NUMBER AND TITLE 0604805A - Command, Control, Communications Systems - Eng Dev	PROJECT 589
functionality, including the consolidation of architectural repositories, design of the DARS-A (Defense Architecture Repository-Army) database, and acting as the Army's agent for DARS/DARS-A.		
Actual availability for FY2005 was \$5759K due to Army withholds.		

<u>Accomplishments/Planned Program:</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Analyze and provide Systems Engineering solutions to fill in gaps identified in C4ISR systems under development as well as fielded systems.	1623	1407	1675	1600
Identify unique Army requirements to influence Army/DoD Architecture Technical standards under new Defense Information Systems Repository developed under Defense Information Systems Agency (DISA) oversight. Prior years: Technically influence the development/implementation of Joint Technical Architecture (JTA). FY03 accomplishments: JTA Versions 5.x, 6.0 restructured and aligned with Net-Centric Philosophy and redefined scope and standards applicability. Planned activities: JTA-A version 7.0, 7.5 to include major revision of Information Security Section, to include results of Tactical Imagery Transport Study	222	185	210	176
Investigate information technical standards for inclusion in DSR, Defense Standards Repository. Global Information Grid (GIG) Technologies (XML, JPEG 2000, MPEG 4, IPV6)	185	185	180	180
Research and incorporate applicable emerging open standards-based commercial technologies to influence future force systems. Ensure that open commercial standards adopted by Future Force enabling systems are reflected in the DISR baseline. Maintain subject matter expertise on DISR, Defense Standards Repository Information Technology (IT) standards' mandates to ensure current and future force systems remain interoperable. Ensure a logical and cost-effective evolution of TA baselines while maximizing Joint interoperability.	740	740	740	740
DISR Compliance Requirements -Ensure Program Managers have an executable and effective strategy for implementing the Army/DoD Technical Architecture standards.	370	555	364	350
Validate/Integrate Army Enterprise Technical Views to enable the Army Technical and Systems Architect (CIO/G6) to monitor, assess and control the inherent risks associated with leveraging continuously changing technologies across all Army Enterprise Functionals/PEO/Communities.	835	925	830	800
Provide systems analysis for implementing IPv6 protocol across Army to ensure communications/data-sharing/data-exchange between systems. Prior Years: As a result of the decision agreed to at the 19 Dec 02 AKEA, GOSC, direction of MU17 funding was realigned to support the Protocols Investigation for the Next Generation (PING) program. The PING supported current technology agreements with various technology developers such as HP, Cisco, Microsoft and Telecordia. In addition, PING represented the ARMY CIO/G6 office at various ASD (NII)/DoD CIO meetings discussing DoD IPv6 policy and Transition Planning, participated with JITC at DISA's Def Interop Comm Exercise 2003 (DICE 2003) demonstrating IPv6 interoperability, active member of DoD IPv6 Test Bed evaluating and testing IPv6 benefits and trade-offs, first Army lab participating with North American IPv6 Task Forces MoonV6 initiative, drafted ARmy's Phase I IPv6 Transition plan and initial transition strategy to migrate Army systems and networks to native IPv6 by FY08 in compliance with DoD policy, prepared evaluation criteria for selecting early IPv6 adopter candidates in support of the Army GIO/G6 office, hosted first Army IPv6 data call to collect systems impact information and baseline on Army IPv6 transition plan, provided IPv6 technical guidance and knowledge to the Army acquisition community.	370	370	370	370
Define and exploit (through analysis) the relationships between architectural views to provide quantitative answers to complex questions	370	370	370	370

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2a Exhibit)

February 2007

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5 - System Development and Demonstration	0604805A - Command, Control, Communications Systems - Eng Dev			589
regarding the Army's future capabilities and the roadmap the Army will pursue in realizing them.				
Provide systems engineering solutions including technical architectures for Army systems supporting Joint Blue Force Situational Awareness (JBFSA) initiative	500	500	470	480
Development of software based voice over internet protocol		2400		
Small Business Innovative Research/Small Business Technology Transfer Programs		221		
Total	5215	7858	5209	5066

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

C. Acquisition Strategy Not applicable for this item.

ARMY RDT&E COST ANALYSIS (R3)

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BUDGET ACTIVITY			PE NUMBER AND TITLE									PROJECT		
5 - System Development and Demonstration			0604805A - Command, Control, Communications Systems - Eng Dev									589		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Government Systems Engineering Support	In House	ASEO, DCTS, PING/03 only, Fort Monmouth, NJ	13733	1978		1978		1970		1970		Cont.	Cont.	
Contract Support	C & T&M-R	C3ISGI, Tinton Falls, NJ	3080										3080	
Contract Support	C & FP	TRW, Domingues Hills, CA	1281										1281	
Overhead		ASEO/WTS CECOM, Fort Monmouth, NJ	1422										1422	
Contract Systems Engineering Support	C & FP	Battelle, Alexandria, VA	354										354	
System Development and Integration	MIPR	PEO C3S, PM TOCS, Fort Monmouth, NJ	25										25	
Travel	In House	SEC, USACECOM, Ft. Monmouth, NJ	20	25		25		25		25			120	
Development Support	C/T&M	Northrop Grummon (SEC SSES), Ft. Monmouth, NJ	50	50		50		50		50			250	
Contract Systems Engineering Support	C & FP	SRI, Menlo Park, CA	199										199	
Labor (Internal Government)	In House	SEC, USACECOM, Ft. Monmouth, NJ	867	867		867		850		856			4307	
Equipment	In House	USACECOM, NJ	5	5		5		5		5			25	
Development Support	C & TM	ITEL, Mays Landing, NJ	50	50		50		50		50			250	
Contract Support	C & FP	Lockheed Martin, Eatontown, NJ	545										545	
Development Support - Army Enterprise Applications Architecture	C/T&M	Binary, Ft. Belvoir, VA												
Contract Support	C & T&M	SAIC, Falls Church,	1811										1811	

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February 2007

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5 - System Development and Demonstration			0604805A - Command, Control, Communications Systems - Eng Dev										589		
		VA													
Contract Systems Engineering Support	C & FP	SRC, Atlanta, GA	612												612
Contract Systems Engineering Support	SS & FP	MITRE, Tinton Falls, NJ	7964	167	1Q	299			290			290			9010
Systems Engineering and Integration	MIPR	WTS - ISIO CECOM, Fort Monmouth, NJ	2341											Cont.	2341
Contract Support	C & T&M	Datron, Simi Valley, CA	305												305
Contract Systems Engineering Support	C & FP	Gemini, Billerica, MA	137												137
Development Support- Knowledge Center	C & TM	ITEL, Mays Landing, NJ	849												849
Contract Support	IPA Agreement	Rutgers University, New Brunswick, NJ	528												528
Contract Systems Engineering Support	C & FP	Suntek Systems, Eatontown, NJ	460												460
Contract Systems Engineering Support	C & FP	HTPi, Shrewsbury, NJ	145												145
Contract Support	C & TM	Telos, Eatontown, NJ	24												24
Engineering Support	MIPR	ISEC, Fort Huachuca, AZ	1357											Cont.	1357
Contract Support	C & TM	PTG/CACI, Eatontown, NJ	26												26
Contract Systems Engineering Support	C & FP	Litton, Reading, MA	245		1Q	245			240			240			970
Contract Support	C & FP	CSC, Eatontown, NJ	1746		1-2Q										1746
Contract Support	C & T&M	BAE, Tinton Falls, NJ	139												139
Contract Support	C & FP	Janus Research Group, Appling GA	72												72
Contract Systems Engineering Support	C & FPI	CSC, Eatontown, NJ	12103	1993		1859			1649			1500			19104
Contract Systems Engineering Support	C & FP	GTE/BBN, Cambridge, MA	960												960

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5 - System Development and Demonstration				0604805A - Command, Control, Communications Systems - Eng Dev								589		
Travel	In House	ASEO/WTS CECOM, Fort Monmouth, NJ	1456	80		80		80		80		Cont.	Cont.	
Development of software based VOIP	TBD					2400								2400
Subtotal:			54911	5215		7858		5209		5066		Cont.	Cont.	
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Comple te	Total Cost	Target Value of Contract
Subtotal:														
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Comple te	Total Cost	Target Value of Contract
Subtotal:														
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Comple te	Total Cost	Target Value of Contract
Subtotal:														
Project Total Cost:			54911	5215		7858		5209		5066		Cont.	Cont.	