

# **COMMITTEE STAFF PROCUREMENT BACKUP BOOK**

**FY2000/2001 BUDGET SUBMISSION**

**February 1999**

**DEFENSE INFORMATION SYSTEMS AGENCY**

## ***PROCUREMENT, DEFENSE-WIDE***

### **Defense Information Systems Agency (DISA)**

		<b><u>(\$ In Millions)</u></b>
<b>FY 2001</b>	<b>Estimate</b>	<b>75.4</b>
<b>FY 2000</b>	<b>Estimate</b>	<b>104.3</b>
<b>FY 1999</b>	<b>Estimate</b>	<b>110.8</b>
<b>FY 1998</b>	<b>Actual</b>	<b>105.7</b>

### **Purpose and Scope of Work**

DISA is a combat support agency of the Department of Defense (DoD). DISA plans, develops, fields, and supports command, control, communications (C3), and information systems that serve the needs of the President, the Secretary of Defense, the Joint Chiefs of Staff and the Joint Staff, the Combatant Commanders in Chief, and the DoD under all conditions of peace and war. DISA ensures the interoperability and information security of the Global Command and Control System, the Global Combat Support System, the Defense Message System, the Defense Information Infrastructure, theater and tactical command and control systems, allied C3 systems, and those national and international commercial systems affecting the DoD mission.

### **Justification of Funds**

***1. Mobile Satellite System Technologies (MSST):*** MSST is an emerging technology with the capability to support low rate voice and data services from a mobile, lightweight terminal. MSST services will be commercially provided with only a few modifications to allow for unique DoD features, such as end-to-end encryption and protection of sensitive user information. These DoD modifications are supported through procurement of a government-owned gateway facility which interfaces the commercial MSS network to the Defense Information

## ***PROCUREMENT, DEFENSE-WIDE***

### **Defense Information Systems Agency (DISA) - Continued**

Systems Network (DISN). The gateway is being procured as a turnkey capability. The FY 2000 request for \$25.977 million will complete the purchase of the Mobile Satellite System (MSS) Gateway, with modifications.

**2. Information Systems Security (INFOSEC):** This P-1 line item provides funds to enhance defense readiness through the earliest practical fielding of INFOSEC products needed to secure the Defense Message System (DMS), the Defense Information Systems Network (DISN), the Defense Megacenters (DMCs), and mid-tier computing centers to reduce the overall vulnerability of the Defense Information Infrastructure (DII) to attack. This effort will ensure that required, validated DMS and DISN security capabilities are in place in accordance with Department of Defense (DoD) direction and scheduled phase-out of current systems (e.g. Automated Digital Network (AUTODIN)). Funds for INFOSEC will provide Information Assurance products to a broad range of customers in the DoD. These customers include the DISA pillar program management offices, the Joint Staff, Commanders-in-Chief (CINCs), Services, and Agencies, as well as Allied and Coalition components connected to the DII. The FY 2000 request for \$20.889 million and FY 2001 request for \$26.797 will provide for the purchase of Certification Authority Workstations, Fortezza cards, high assurance guards, firewalls, secure web servers and encryptors. These security products will provide confidentiality, data integrity, access control, identification and authentication, non-repudiation and security management services.

**3. Continuity of Operations (COOP):** The DISA Continuity of Operations (COOP) and Test Facility (DCTF) provides innovative and integrated information services to the DMCs, a mission specifically directed and funded by the Congress. The DCTF has two major missions: (1) data processing capability supporting the DMCs for critical applications to enable DISA to provide COOP support and test this capability; and (2) the latest technology equipment to support the Global Combat Support System (GCSS) and other capabilities to perform integration and compliance testing prior to fielding as joint systems, and to distribute the DII Common Operating Environment and

## ***PROCUREMENT, DEFENSE-WIDE***

### **Defense Information Systems Agency (DISA) - Continued**

certified Global Combat Support System (GCSS) segments/applications. A state-of-the-art lab is required for these missions. The DISA Continuity of Operations (COOP) and Test Facility (DCTF) will be fully equipped to test the Defense Information Infrastructure (DII) Standard Operating Environment and Common Operating Environment/common data environment components prior to implementation at the Defense Megacenters. The FY 2000 request for \$3.557 million will be used to procure state-of-the-art mid-tier equipment for testing integration. Funds will also continue the expansion required by the DCTF to support the megacenters' consolidation, including increasing Millions of Instructions per Second to over 1,300 and Direct Access Storage Devices to twelve terabytes. The FY 2001 request for \$3.250 million will provide for the upgrade of Multiple Virtual Storage processing capacity to maintain compatibility with the megacenters and upgrade communications to comply with and implement technological advances.

***4. Defense Message System (DMS):*** The DMS is the Warfighter's Message System. It meets the Joint Staff's and the Unified Commanders' requirement for a secure, accountable, and high assurance messaging system with a globally integrated directory service. The first step is the fielding of the DMS Infrastructure. This infrastructure consists of the following: Message Transfer Agents (MTAs), Directory System Agents (DSAs), Multifunction Interpreters (MFIs), Mail List Agents (MLAs), and Service Management Systems (SMSs). The MTAs provide storage and forward message transfer service. The DSAs provide directory service to DMS users worldwide. The MFIs provide interoperability during the transition period to DMS with the following: Automated Digital Network (AUTODIN), other non-DMS communications protocols (e.g. Simple Mail Transfer Protocols), and Allied users worldwide. The MLAs provide addressee expansion and delivery of messages addressed to distribution lists. The SMSs provide network operational management for the DMS Infrastructure components. The FY 2000 request for \$28.279 million will provide for installation of the tactical DMS backbone infrastructure and tactical functionality will be integrated into DMS products. The DMS Management Workstation technical upgrade will be implemented

## ***PROCUREMENT, DEFENSE-WIDE***

### **Defense Information Systems Agency (DISA) - Continued**

and additional product capability will be provided to the intelligence community. The FY 2001 request for \$19.503 million will provide for continuation of the deployable tactical Defense Message System (DMS) messaging. Evolution toward the convergence of functionality of Commercial-Off-The-Shelf and DMS products will continue.

**5. Global Command and Control System (GCCS):** The GCCS is the Department of Defense's (DoD's) joint command and control system of record and an essential component for successfully implementing DoD's Joint Vision (JV2010) concepts: dominant maneuver, precision engagement, full-dimension protection, and focused logistics. GCCS implements the Joint Chiefs of Staff validated C2 requirements. GCCS provides a fused picture of the battlespace within a modern command, control, communications and computer system capable of meeting warfighter needs well into the 21<sup>st</sup> century. It incorporates the core planning and assessment tools required by combat commanders and their subordinate joint task force commanders, and meets the readiness support requirements of the Services. To achieve this, GCCS provides situational awareness, imagery access, indications and warning, collaborative planning, course-of-action development, intelligence mission support, and real-time combat execution capabilities needed to conduct successful military operations. The FY 2000 request for \$4.119 million will support implementation of the Joint Operation Planning and Execution System database re-engineering efforts to improve access to deliberate and crisis action planning data and more efficient execution of planning and execution applications. Funds will acquire the necessary equipment to incorporate engineered multilevel secure communications and compartmented intelligence capabilities into the GCCS. The infusion of new technology platforms into the GCCS environment will continue. The FY 2001 request for \$3.691 million will replenish the GCCS baseline equipment used in the Operational Support Facility laboratories in support of GCCS. This support includes testing, integration, and configuration management of new applications and/or software fixes, sustainment, training, demonstrations, and exercise support. Funds will also be used to acquire the hardware and software

## ***PROCUREMENT, DEFENSE-WIDE***

### **Defense Information Systems Agency (DISA) – Continued**

necessary for the integration of Defense Advanced Research Projects Agency transitioned Advanced Concept Technology Demonstrations and DISA-developed Leading Edge Services.

**6. *Global Combat Support System (GCSS)*:** The GCSS is the final piece of the Command, Control, Communications and Intelligence for the Warrior (C4IFTW) concept and uses the same tools, approach, methodology, and integration processes in providing combat support (CS) information as are used by the Global Command and Control System (GCCS) in providing command and control (C2) and intelligence information, as established by the Joint Chiefs of Staff. GCSS accelerates the delivery of improved CS information technologies capable of integrating existing and planned combat support systems. This integration will provide the Commander Joint Task Force (CJTF) with an efficient, secure and seamless interoperability between CS data and other critical logistics information such as acquisition, finance, medical, transportation and personnel. GCSS provides a communications, computing and data infrastructure that integrates accurate CS information into a common presentation of data available to the warfighter from a single computer using the Common Operational Picture Combat Support Environment (COP-CSE) and the GCSS Portal at any time, maximizing the use of web technology. GCSS emphasizes the use of applications and data reuse for operational effectiveness and performance efficiencies, by providing Commercial-Off-the-Shelf and Government-Off-the-Shelf software applications and infrastructure necessary for integrating the Service GCSS applications and non-shared components in an interoperable environment. The FY 2000 request for \$4.755 million will be used to continue fielding GCSS at 10-15 new sites. As the System Integrator, GCSS is responsible for ensuring that the GCSS COP-CSE, GCSS Portal, and GCSS Data Mediator are interoperable at both new sites and previously fielded sites. GCSS will utilize funds to purchase additional hardware and software necessary to accomplish this. The FY 2001 request for \$5.163 million will be used to continue fielding of GCSS at 10-15 additional sites. As the System Integrator, GCSS is responsible for ensuring that the GCSS COP-CSE, GCSS Portal, and GCSS Data Mediator are interoperable at both

## ***PROCUREMENT, DEFENSE-WIDE***

### **Defense Information Systems Agency (DISA) - Continued**

new sites and previously fielded sites. GCSS will utilize funds to purchase additional hardware and software necessary to accomplish this.

7. ***Standard Tactical Entry Point (STEP)***: STEP is a 1994 Joint Staff validated initiative to upgrade existing Defense Satellite Communications System (DSCS) strategic earth terminals to provide the warfighter with a set of standardized, pre-positioned entry points worldwide into six Defense Information Systems Network services including Defense Switched Network, Defense Red Switched Network, Sensitive-but-Unclassified Internet Protocol Router Network, Secret Internet Protocol Router Network, Joint Worldwide Intelligence Communications System and Video Teleconferencing. The FY 2000 request for \$2.969 million will be used to purchase essential STEP equipment including Multiplexer Integration and DSCS Automation Systems, and other switching equipment. The funds will also cover the turnkey procurement and installation costs of the equipment at various DSCS strategic earth terminals around the world. The FY 2001 request for \$2.482 million will be used to purchase essential STEP equipment including Multiplexer Integration and DSCS Automation Systems, and other switching equipment. The funds will also cover the turnkey procurement and installation costs of the equipment at various DSCS strategic earth terminals around the world.

8. ***Items Less Than \$5 Million Each***: In FY 2000 and FY 2001, this P-1 line item provides funding for miscellaneous centrally managed end items of equipment costing less than \$5 million. Funding is provided for the following DISA activities/programs: White House Communications Agency, White House Situation Support Staff, Electronic Commerce, and the European and Pacific Field Commands. These activities/programs provide support in the areas of information management efforts, communications, and electronic and automated data processing equipment. Also funded are two cargo carrying vehicles for DISA Europe and DISA Pacific. Specific line item content is as follows:

## ***PROCUREMENT, DEFENSE-WIDE***

### **Defense Information Systems Agency (DISA) - Continued**

a. The White House Communications Agency (WHCA) provides telecommunications and related support to the President, Vice President, White House Staff, National Security Council (NSC), U.S. Secret Service and others as directed by the White House Military Office. Telecommunications support includes secure and nonsecure voice, record communications and automated data processing services. WHCA requires \$9.363 million in FY 2000 for Travel Very High Frequency (VHF) System Replacement and Central Processing Unit A&B Modernization. The FY 2001 request for \$8.619 million will continue to fund the Travel VHF System Replacement.

b. The White House Situation Support Staff (WHSSS) provides classified communications, computer and intelligence systems for the White House Situation Room, NSC staff and other White House offices. WHSSS requires \$ .663 million in FY 2000 for a Records Management System. The President was directed by the courts (Armstrong Case) to develop a Records Management system. The President tasked the WHSSS to develop this system. The system will provide a document tracking and management system for all Presidential correspondence. FY 2000 funds will also provide for the upgrade of the Uninterruptable Power Supply for the NSC computer system. The FY 2001 request for \$2.093 million will procure a network system, including all hardware and software, for use by the National Security Council (NSC). The volume of information flowing in and out of the White House on a daily basis calls for a computer network system with the latest technology. FY 2001 funds will also provide for the upgrade of unclassified presidential trip laptops and upgrade of the classified NSC network equipment.

c. As a result of a Presidential memorandum dated 1 July 1997, Global Framework for Electronic Commerce, the recent National Reform Review ACCESS America report, the November 1997 Defense Reform Initiative and numerous other executive and legislative actions, DISA is responsible for achieving efficiency and economy wherever possible through widespread application of Electronic Commerce (EC). EC and related technologies will

## ***PROCUREMENT, DEFENSE-WIDE***

### **Defense Information Systems Agency (DISA) - Continued**

allow the Department of Defense to drastically reduce the amount of paper received, processed, and stored to realize greater efficiency and economy in the Department's business practices. Current efforts (from a joint Under Secretary of Defense (USD) (Comptroller)), USD Acquisition and Technology, Assistant Secretary of Defense (Command, Control, Communication and Intelligence), and DISA task force recommendation)) are to go to a Big EC through expansion of cross-functional integration among functional business processes, improved tool sets and enhanced security (e.g. data integrity and digital signature) in order to resolve unmatched disbursements and achieve paperless contracting. EC requires \$3.710 million in FY 2000. Funds will be used for purchasing hardware required for an EC Prototype Lab and enhancing the EC Processing Network (ECPN), the targeted translation/transport mechanism for contracts, invoices and receipts for paperless contracting transactions. The FY 2001 request for \$3.720 million will continue upgrades to hardware for an EC Prototype Lab and enhancement of the ECPN.

d. The FY 2000 request for \$49 thousand and the FY 2001 request for \$51 thousand will fund the purchase of two replacement cargo carrying vehicles for DISA European and Pacific Field Commands.

**Exhibit P-1, Procurement Program**  
**DEFENSE INFORMATION SYSTEMS AGENCY**

Appropriation: Procurement, Defense-Wide

Date: Feb-99

Budget Activity: Major Equipment, DISA

(\$ in Millions)

P-1 Line Item No	Item Nomenclature	Ident Code	Unit Cost	FY 1998		FY 1999		FY 2000		FY 2001	
				Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
10	MOB SAT SYS TECH	N/A			9.632		7.908		25.977		0.000
11	INFO SYS SECURITY	N/A			17.976		18.310		20.889		26.797
12	CONTINUITY OF OPS	N/A			5.321		4.048		3.557		3.250
13	DEFENSE MSG SYS	N/A			47.876		43.243		28.279		19.503
14	GCCS	N/A			3.614		4.366		4.119		3.691
15	GCSS	N/A			3.973		6.691		4.755		5.163
16	STEP	N/A			0.000		11.920		2.969		2.482
18	ITEMS LESS	N/A			13.284		14.340		13.785		14.483
19	DRUG INT	N/A			4.000		0.000		0.000		0.000
<b>TOTAL DISA</b>					<b>105.676</b>		<b>110.826</b>		<b>104.330</b>		<b>75.369</b>

Exhibit P-1, Procurement Program

**DEFENSE INFORMATION SYSTEMS AGENCY (DISA)  
FY 2000/2001 BIENNIAL BUDGET ESTIMATES**

***PROCUREMENT, DEFENSE-WIDE***

Feb-99

*P-1 LINE ITEM*

(\$ in Millions)

	<i>FY 1999</i>	<i>FY 2000</i>	<i>FY 2001</i>	<i>FY 2002</i>	<i>FY 2003</i>	<i>FY 2004</i>	<i>FY 2005</i>
<i>10 MOB SAT SYS TECH</i>	7.908	25.977	0	0	0	0	0
<i>11 INFO SYSTEMS SECURITY</i>	18.310	20.889	26.797	30.657	24.275	13.567	15.109
<i>12 CONTINUITY OF OPS</i>	4.048	3.557	3.250	3.301	3.368	3.397	3.429
<i>13 DEFENSE MESSAGE SYS</i>	43.243	28.279	19.503	19.805	20.200	20.662	21.150
<i>14 GLOBAL CMD &amp; CONTROL SYS</i>	4.366	4.119	3.691	3.564	3.499	3.579	3.663
<i>15 GLOBAL COMBAT SPT SYS</i>	6.691	4.755	5.163	4.813	4.610	4.760	4.916
<i>16 STEP</i>	11.920	2.969	2.482	0	0	0	0
<i>18 ITEMS LESS THAN \$5 MILLION</i>	14.340	13.785	14.483	16.160	15.780	16.067	16.373
<i>19 DRUG INTERDICTION</i>	0	0	0	0	0	0	0
<b><i>TOTAL DISA</i></b>	<b><i>110.826</i></b>	<b><i>104.330</i></b>	<b><i>75.369</i></b>	<b><i>78.300</i></b>	<b><i>71.732</i></b>	<b><i>62.032</i></b>	<b><i>64.640</i></b>



Exhibit P-40, Budget Item Justification							Date: FEBRUARY 1999					
Appropriation(Treasury)Code/CC/BA/BSA/Item Control Number 0300D/01/05/16 Defense Information Systems Agency							P-1 Line Item Nomenclature Standard Tactical Entry Point (STEP)					
Program Element for Code B Items:							Other Related Program Elements 0303126K					
	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Total Proc Cost				11.920	2.969	2.482	0	0	0	0	0	17.371
<p><u>Description:</u> Standard Tactical Entry Point (STEP) is a 1994 Joint Staff validated initiative to upgrade existing Defense Satellite Communications System (DSCS) strategic earth terminals and to provide thewarfighter with a set of standardized, pre-positioned entry points worldwide into six Defense Information Systems Network (DISN) services including Defense Switched Network (DSN), Defense Red Switched Network (DRSN), Sensitive-but-Unclassified Internet Protocol Router Network (NIPRNET), Secret Internet Protocol Router Network (SIPRNET), Joint Worldwide Intelligence Communications System (JWICS) and Video Teleconferencing (VTC).</p> <p><u>FY 1999 Program:</u> FY 1999 funds are being used to purchase essential STEP equipment such asMultiplexer Integration and DSCS Automation Systems (MIDAS) and other switching equipment. The funds cover the installation costs of the equipment at various DSCS strategic earth terminals around the world.</p> <p><u>FY 2000 Program Justification:</u> FY 2000 funds will be used to purchase essential STEP equipment including MIDAS and other switching equipment. The funds will cover the installation costs of the equipment at various DSCS strategic earth terminals around the world.</p> <p><u>FY 2001 Program Justification:</u> FY 2001 funds will be used to purchase essential STEP equipment including MIDAS and other switching equipment. The funds will cover the installation costs of the equipment at various DSCS strategic earth terminals around the world.</p>												



Exhibit P-40, Budget Item Justification	Date: FEBRUARY 1999
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Appropriation(Treasury)Code/CC/BA/BSA/Item Control Number 0300D/01/05/11 Defense Information Systems Agency	P-1 Line Item Nomenclature Information Systems Security (INFOSEC)
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Program Element for Code B Items:	Other Related Program Elements 0303140K
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	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Total Proc Cost			17.976	18.310	20.889	26.797	30.657	24.275	13.567	15.109	Cont	Cont

PROGRAM DESCRIPTION: To enhance defense readiness through the earliest practical fielding of INFOSEC products needed to secure the Defense Message System (DMS), the Defense Information Systems Network (DISN), the Defense Megacenters (DMCs) and mid-tier computing centers to reduce the overall vulnerability of the Defense Information Infrastructure (DII) to attack. This effort will ensure that required, validated DMS and DISN security capabilities are in place in accordance with Department of Defense (DoD) direction and scheduled phase-out of current systems (e.g. Automated Digital Network (AUTODIN)). Funds will provide Information Assurance products to a broad range of customers in the Department of Defense (DoD). These customers include the DISA pillar program management offices, the Joint Staff, Commanders-in-Chief (CINCs), Services and Agencies as well as Allied and Coalition components connected to the DII. The security products used will provide confidentiality, data integrity, access control, identification and authentication, non-repudiation, and security management services with devices such as: Fortezza crypto cards, Certification Authority Workstations (CAWs), high assurance automated guards, business grade firewalls, and in-line network encryptors. In addition, a limited number of Personal Computer Memory Card International Association (PCMCIA) card readers will be procured for those older computer systems that do not include an embedded reader capability needed to support the Fortezza implementation.

FY 1998 PROGRAM: Funds were used to procure security products to protect the DISN infrastructure. Procurement of secure network servers, Fortezza and Fortezza+ cards, CAWs and high-speed encryptors for DISN continued. Funds were used to procure Commercial-Off-the-Shelf (COTS) firewalls and trusted electronic guards to secure the DMS infrastructure and to keep pace with its expansion throughout FY 1998. Procurement of security products to secure the DMCs compliant with emerging Netscape/Fortezza/World Wide Web (WWW) technology continued. Central procurement of CAWs continued.

Exhibit P-40, Budget Item Justification		Date: FEBRUARY 1999
Appropriation(Treasury)Code/CC/BA/BSA/Item Control Number 0300D/01/05/11 Defense Information Systems Agency		P-1 Line Item Nomenclature Information Systems Security (INFOSEC)
Program Element for Code B Items:	Other Related Program Elements 0303140K	
<p><u>FY 1999 PROGRAM:</u> Funds will be used for procurement of secure network servers. DISA &amp; the National Security Agency (NSA) will continue to integrate other security elements of the Defense Information Infrastructure (DII). Funds will be used to implement solutions to secure Defense Information Systems Network (DISN) network management data and procure new security products. Funding of the implementation of the Defense Message System (DMS)/Secret But Unclassified (SBU) portion of the DMS and initial implementation of DMS/Top Secret (TS/SCI) portion of the DMS will continue. Procurement of software licensing agreements will continue, as well as certification of Defense Megacenters (DMC) locations. Central procurement of Certification Authority Workstations (CAWs) will continue throughout FY 1999.</p> <p><u>FY 2000 PROGRAM JUSTIFICATION:</u> Procurement funds will be used for security products to protect the DISN infrastructure. Funds will continue to be used for the procurement of CAWs, high assurance guards, installation and software upgrades, secure web servers, and encryptors. NSA and DISA will continue to integrate other security elements of the DII. The requirement for 60 Secure Web Servers is based on the purchase of servers capable of supporting 100 concurrent users each.</p> <p><u>FY 2001 PROGRAM JUSTIFICATION:</u> Funds continue to be used to procure security network servers. Efforts will continue to procure new security products, implement solutions to secure DISN, as well as continued efforts to integrate other security elements of the DII. Funds will be used to procure CAWs, Fortezza cards, high assurance guards, firewalls, encryptors, and routers. These items will be used for implementation of the DMS and SBU. The requirement for 60 Secure Web Servers is based on the purchase of servers capable of supporting 100 concurrent users each.</p>		

Exhibit P-40, Budget Item Justification							Date: FEBRUARY 1999					
Appropriation(Treasury)Code/CC/BA/BSA/Item Control Number 0300D/01/05/11 Defense Information Systems Agency							P-1 Line Item Nomenclature Information Systems Security (INFOSEC)					
Program Element for Code B Items:							Other Related Program Elements 0303140K					
	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Total Proc Cost			17.976	18.310	20.889	26.797	30.657	24.275	13.567	15.109	Cont	Cont
<p><u>PROGRAM DESCRIPTION:</u> To enhance defense readiness through the earliest practical fielding of INFOSEC products needed to secure the Defense Message System (DMS), the Defense Information Systems Network (DISN), the Defense Megacenters (DMCs) and mid-tier computing centers to reduce the overall vulnerability of the Defense Information Infrastructure (DII) to attack. This effort will ensure that required, validated DMS and DISN security capabilities are in place in accordance with Department of Defense (DoD) direction and scheduled phase-out of current systems (e.g. Automated Digital Network (AUTODIN)). Funds will provide Information Assurance products to a broad range of customers in the Department of Defense (DoD). These customers include the DISA pillar program management offices, the Joint Staff, Commanders-in-Chief (CINCs), Services and Agencies as well as Allied and Coalition components connected to the DII. The security products used will provide confidentiality, data integrity, access control, identification and authentication, non-repudiation, and security management services with devices such as: Fortezza crypto cards, Certification Authority Workstations (CAWs), high assurance automated guards, business grade firewalls, and in-line network encryptors. In addition, a limited number of Personal Computer Memory Card International Association (PCMCIA) card readers will be procured for those older computer systems that do not include an embedded reader capability needed to support the Fortezza implementation.</p> <p><u>FY 1998 PROGRAM:</u> Funds were used to procure security products to protect the DISN infrastructure. Procurement of secure network servers, Fortezza and Fortezza+ cards, CAWs and high-speed encryptors for DISN continued. Funds were used to procure Commercial-Off-the-Shelf (COTS) firewalls and trusted electronic guards to secure the DMS infrastructure and to keep pace with its expansion throughout FY 1998. Procurement of security products to secure the DMCs compliant with emerging Netscape/Fortezza/World Wide Web (WWW) technology continued. Central procurement of CAWs continued.</p>												

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 1999
Appropriation(Treasury)Code/CC/BA/BSA/Item Control Number 0300D/01/05/11 Defense Information Systems Agency	P-1 Line Item Nomenclature Information Systems Security (INFOSEC)
Program Element for Code B Items:	Other Related Program Elements 0303140K
<p><u>FY 1999 PROGRAM:</u> Funds will be used for procurement of secure network servers. DISA &amp; the National Security Agency (NSA) will continue to integrate other security elements of the Defense Information Infrastructure (DII). Funds will be used to implement solutions to secure Defense Information Systems Network (DISN) network management data and procure new security products. Funding of the implementation of the Defense Message System (DMS)/Secret But Unclassified (SBU) portion of the DMS and initial implementation of DMS/Top Secret (TS/SCI) portion of the DMS will continue. Procurement of software licensing agreements will continue, as well as certification of Defense Megacenter (DMC) locations. Central procurement of Certification Authority Workstations (CAWs) will continue throughout FY 1999.</p> <p><u>FY 2000 PROGRAM JUSTIFICATION:</u> Procurement funds will be used for security products to protect the DISN infrastructure. Funds will continue to be used for the procurement of CAWs, high assurance guards, installation and software upgrades, secure web servers, and encryptors. NSA and DISA will continue to integrate other security elements of the DII. The requirement for 60 Secure Web Servers is based on the purchase of servers capable of supporting 100 concurrent users each.</p> <p><u>FY 2001 PROGRAM JUSTIFICATION:</u> Funds continue to be used to procure security network servers. Efforts will continue to procure new security products, implement solutions to secure DISN, as well as continued efforts to integrate other security elements of the DII. Funds will be used to procure CAWs, Fortezza cards, high assurance guards, firewalls, encryptors, and routers. These items will be used for implementation of the DMS and SBU. The requirement for 60 Secure Web Servers is based on the purchase of servers capable of supporting 100 concurrent users each.</p>	

Exhibit P-5 Cost Analysis				Weapon System		Date: FEBRUARY 1999					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300D/01/05/11 Defense Information Systems Agency					ID Code	P-1 Line Item Nomenclature Information System Security (INFOSEC)					
WBS COST ELEMENTS	PYs Total Cost	FY 97 Unit Cost	FY 97 Total Cost	FY 98 Unit Cost	FY 98 Total Cost	FY 99 Unit Cost	FY 99 Total Cost	FY 00 Unit Cost	FY 00 Total Cost	FY 01 Unit Cost	FY 01 Total Cost
OTHER COSTS											
1. Certification Authority Workstations (CAWs)		17	4,420	14	4,998	14	6,300	14	9,618	14	10,094
2. PCMCIA Card Readers		-	-	1	21	-	-	-	-	-	-
3. Fortezza Crypto Cards		-	-	1	90	1	211	1	217	1	105
4. High Assurance Guards		50	1,700	50	1,900	50	850	50	750	50	2,000
5. Business Grade Firewalls		-	-	18	7,686	18	7,290	18	7,110	18	6,660
6. In-Line Encryptors		-	-	4	132	-	-	-	-	4	1,200
7. Secure Web Servers		-	-	20	1,440	20	1,500	20	1,380	20	1,960
8. Routers		53	9,328	-	-	-	-	-	-	41	1,722
9. Workstations/Fileservers		16	6,608	-	-	-	-	-	-	-	-
10. KIV-7 Encryptors		4	1,792	4	1,232	4	1,364	4	1,284	4	1,108
11. KG-75 Encryptors		12	420	53	477	53	795	53	530	53	636
12. Fixed Plant Adaptors		1	646	-	-	-	-	-	-	1	122
13. Secure Telephone Equipment (STE)		3	1,200	-	-	-	-	-	-	1	1,190



Exhibit P-5a, Procurement History and Planning				Weapon System		Date: FEBRUARY 1999				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number				P-1 Line Item Nomenclature						
0300D/01/05/11 Defense Information Systems Agency				Information System Security (INFOSEC)						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
FY 1998										
1. Certification Authority Workstations (CAWs)	357	14	USAF	N/A	C/FP	LORAL	Dec-97	Apr-98	YES	
2. PCMCIA Card Readers	21	1	USAF	N/A	C/FP	LORAL	Dec-97	Apr-98	YES	
3. Fortezza Crypto Cards	90	1	NSA	N/A	C/FP	NSA contr	Dec-97	Apr-98	YES	
4. High Assurance Guards	38	50	NSA	N/A	C/FP	NSA contr	Jan-98	May-98	YES	
5. Business Grade Firewalls	427	18	NSA	N/A	C/FP	NSA contr	Dec-97	Jan-98	YES	
6. In-Line Encryptors	33	4	NSA	N/A	C/FP	NSA contr	Dec-97	Mar-98	YES	
7. Secure Web Servers	72	20	DISA	Oct-97	C/FP	CSC	Dec-97	Feb-98	YES	
8. KIV-7 Encryptors	308	4	NSA	N/A	C/FP	Mykrotonix	Jan-98	Mar-98	YES	
9. KG-75 Encryptors	9	53	NSA	N/A	C/FP	GTE Federal	Jan-98	Mar-98	YES	
FY 1999										
1. Certification Authority Workstations (CAWs)	450	14	USAF	N/A	C/FP	LORAL	Nov-98	Feb-99	YES	
2. Fortezza Crypto Cards	211	1	USAF	N/A	C/FP	LORAL	Nov-98	Feb-99	YES	
3. High Assurance Guards	17	50	NSA	N/A	C/FP	NSA	Dec-98	Apr-99	YES	
4. Business Grade Firewalls	405	18	NSA	N/A	C/FP	NSA	Dec-98	Apr-99	YES	
5. Secure Web Servers	75	20	DISA	Nov-98	C/FP	CSC	Feb-99	May-99	YES	
6. KIV-7 Encryptors	341	4	NSA	N/A	C/FP	Mykrotonix	Jan-99	Mar-99	YES	
7. KG-75 Encryptors	15	53	NSA	N/A	C/FP	GTE Federal	Jan-99	Mar-99	YES	

Exhibit P-5a, Procurement History and Planning				Weapon System		Date: FEBRUARY 1999				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300D/01/05/11 Defense Information Systems Agency					P-1 Line Item Nomenclature Information System Security (INFOSEC)					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
FY 2000										
1. Certification Authority Workstations (CAWs)	687	14	USAF	N/A	C/FP	LORAL	Dec-99	Mar-00	YES	
2. Fortezza Crypto Cards	217	1	USAF	N/A	C/FP	LORAL	Dec-99	Mar-00	YES	
3. High Assurance Guards	15	50	NSA	N/A	C/FP	TBD	Dec-99	Apr-00	YES	
4. Business Grade Firewalls	395	18	NSA	N/A	C/FP	TBD	Dec-99	Apr-00	YES	
5. Secure Web Servers	69	20	DISA	Nov-98	C/FP	TBD	Feb-00	Jun-00	YES	
6. KIV-7 Encryptors	321	4	NSA	N/A	C/FP	TBD	Jan-00	Mar-00	YES	
7. KG-75 Encryptors	10	53	NSA	N/A	C/FP	TBD	Jan-00	Mar-00	YES	
FY 2001										
1. Certification Authority Workstations (CAWs)	721	14	USAF	N/A	C/FP	LORAL	Dec-00	Mar-01	YES	
2. Fortezza Crypto Cards	105	1	USAF	N/A	C/FP	LORAL	Dec-00	Mar-01	YES	
3. High Assurance Guards	40	50	NSA	N/A	C/FP	TBD	Dec-00	Apr-01	YES	
4. Business Grade Firewalls	370	18	NSA	N/A	C/FP	TBD	Dec-00	Apr-01	YES	
5. In-Line Encryptors	300	4	NSA	N/A	C/FP	TBD	Dec-00	Mar-01	YES	
6. Secure Web Servers	98	20	DISA	Nov-98	C/FP	TBD	Feb-01	Jun-01	YES	
7. Routers	42	41	NSA	N/A	C/FP	TBD	Feb-01	Jun-01	YES	
8. KIV-7 Encryptors	277	4	NSA	N/A	C/FP	TBD	Feb-01	Jun-01	YES	
9. KG-75 Encryptors	12	53	NSA	N/A	C/FP	TBD	Jan-01	May-01	YES	



Exhibit P-40, Budget Item Justification	Date: FEBRUARY 1999
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Appropriation(Treasury)Code/CC/BA/BSA/Item Control Number 0300D/01/05/12 Defense Information Systems Agency	P-1 Line Item Nomenclature Continuity Of Operations (COOP)
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Program Element for Code B Items:	Other Related Program Elements 0303139K
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	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Total Proc Cost			5.321	4.048	3.557	3.250	3.301	3.368	3.397	3.429	Cont	Cont

**Description:** The DISA COOP and Test Facility (DCTF) provides innovative and integrated information services to the Defense Megacenters (DMCs), a mission specifically directed and funded by the Congress. The DCTF is an organization with ongoing major missions: (1) data processing capability supporting the DMCs for critical applications to enable DISA to provide COOP support and test this capability, and (2) the latest technology equipment to support the Global Combat Support System (GCSS) and other capabilities to perform Integration and Compliance testing prior to fielding as joint systems, and to distribute the Defense Information Infrastructure (DII) Common Operating Environment (COE) and certified GCSS segments/applications. The DCTF, a state-of-the-art model facility, will be fully equipped to test the DII Standard Operating Environment (SOE) and COE/common data environment components prior to implementation at the DMCs.

**FY 1998 Program:** The DCTF is being built for the 21st century employing state-of-the-art technology. Funding expanded the communications infrastructure and built the basic Multiple Virtual Storage (MVS) configuration of the DCTF by increases, processes, and Direct Access Storage Devices (DASD) capacity to capture the suite of applications currently supported at the DMCs. These funds provided for the continuation of a state-of-the-art test environment for GCSS development and integration testing as well as other operational and support requirements, including DCTF and GCSS world wide web. DCTF met its Government Performance and Results Act (GPRA) goals of providing emergency disaster recovery and backup support to the DISA community as well as supported the GCSS segment Integration and Testing process. The performance measure employed was 100 percent of COOP and segment tests completed. Additionally, DCTF implemented the communication systems required to support both COOP and test missions.

Exhibit P-40, Budget Item Justification		Date: FEBRUARY 1999
Appropriation(Treasury)Code/CC/BA/BSA/Item Control Number 0300D/01/05/12 Defense Information Systems Agency		P-1 Line Item Nomenclature Continuity Of Operations (COOP)
Program Element for Code B Items:	Other Related Program Elements 0303139K	
<p><u>FY 1999 Program:</u> The DISA COOP and Test Facility (DCTF) will be a valued partner of the Defense Megacenters (DMCs) by providing timely support for the Global Combat Support System (GCSS) development, continuous seamless information services operations, preproduction testing, integration and evaluation of mission applications, and COOP support. Funds will be used to continue to expand current operations and support, expand the basic configuration of the DCTF, and upgrade hardware and software to perform testing of new, emerging technology. Expansion of processing and Direct Access Storage Devices (DASD) capacity is required based on consolidation of DISA megacenters, and will continue through FY 2003.</p> <p><u>FY 2000 Program Justification:</u></p> <ol style="list-style-type: none"> <li>(1) Maintain state of the art mid tier equipment for testing integration.</li> <li>(2) Continue the expansion required by megacenters consolidation, including increasing MIPS (Millions of Instructions per Second) to over 1300, and DASD to twelve terabytes.</li> </ol> <p><u>FY 2001 Program Justification:</u></p> <ol style="list-style-type: none"> <li>(1) Continue to upgrade/increase Multiple Virtual Storage (MVS) processing capacity to maintain compatibility and capability with megacenters.</li> <li>(2) Upgrade communications to comply with and implement technological advances and increased requirements.</li> </ol>		



Exhibit P-40a, Budget Item Justification for Aggregated Items						Date: FEBRUARY 1999					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300D/01/05/12 Defense Information Systems Agency						P-1 Line Item Nomenclature Continuity Of Operations (COOP)					
Procurement Items	Prior Years	FY 97 Unit Cost	FY 97 Total Cost	FY 98 Unit Cost	FY 98 Total Cost	FY 99 Unit Cost	FY 99 Total Cost	FY 00 Unit Cost	FY 00 Total Cost	FY 01 Unit Cost	FY 01 Total Cost
OTHER COSTS											
1. MVS			1,513		2,437		-		1,418		922
2. DASD			452		1,326		1,000		864		-
3. Tape Drives			332		-		350		-		321
4. Generators			823		-		-		-		850
5. Servers/Equipment			-		500		2,698		1,275		601
6. Channel Director			424		427		-		-		-
7. Software			152		-		-		-		300
8. Communication Equipment			749		631		-		-		256
TOTAL			4,445		5,321		4,048		3,557		3,250

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 1999
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Appropriation(Treasury)Code/CC/BA/BSA/Item Control Number 0300D/01/05/13 Defense Information Systems Agency	P-1 Line Item Nomenclature Defense Message System (DMS)
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Program Element for Code B Items:	Other Related Program Elements 0303129K
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	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Total Proc Cost			47.876	43.243	28.279	19.503	19.805	20.200	20.662	21.150	Cont	Cont

Description: The DMS is the Warfighter's Message System. It meets the Joint Staff's and the Unified Commanders' requirement for a secure, accountable, and high assurance messaging system with a globally integrated directory service. The first step is the fielding of the DMS Infrastructure. This infrastructure consists of the following: Message Transfer Agents (MTAs), Directory System Agents (DSAs), Multifunction Interpreters (MFIs), Mail List Agents (MLAs), and Service Management Systems (SMSs). The MTAs provide storage and forward message transfer service. The DSAs provide directory service to DMS users worldwide. The MFIs provide interoperability during the transition period to DMS with the following: Automated Digital Network (AUTODIN), other non-DMS communications protocols (e.g. Simple Mail Transfer Protocols), and Allied users worldwide. The MLAs provide addressee expansion and delivery of messages addressed to distribution lists. The SMSs provide network operational management for the DMS Infrastructure components. The DMS Global Implementation Strategy supports incremental enhancements of DMS capabilities and a phased deployment approach that began with pilots and will conclude with full rate deployment. By using this strategy, the controlled phase-out of AUTODIN in FY 2000, a program directed milestone, will be successful.

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 1999
Appropriation(Treasury)Code/CC/BA/BSA/Item Control Number 0300D/01/05/13 Defense Information Systems Agency	P-1 Line Item Nomenclature Defense Message System (DMS)
Program Element for Code B Items:	Other Related Program Elements 0303129K
<p><u>FY 1998 Program:</u> Approximately 200,000 DoD organizational messaging users were supported at both Sensitive-but-Unclassified and Classified/Secret levels including 9 additional Commanders-In-Chief (CINC) locations, as the DMS Infrastructure was expanded and enhanced in preparation for the complete phase-out of the Automated Digital Network (AUTODIN) in FY 2000. DMS Infrastructure components to support 14 Regional Nodes were acquired and installed to support this expanded user base. DMS was extended to support selected users in the intelligence community. Additionally, the DMS Infrastructure was revised to implement a Flexible Architecture that exploited new technology and streamlined the earlier Classic Architecture. Simple Mail Transfer Protocols (SMTP) and AUTODIN Multifunction Interpreters (MFIs) were deployed to support the organizational user base.</p> <p><u>FY 1999 Program:</u> By the end of FY 1999, the DMS Infrastructure will support more than 360,000 organizational messaging users, at nearly 500 diverse Department of Defense (DoD) sites worldwide. This capability will support several classification levels consistent with the FY 2000 AUTODIN phase-out. Three DMS Transition Hubs (DTH) are being installed for legacy messaging service to select Allied and intelligence customers.</p> <p><u>FY 2000 Program Justification:</u> Installation of the Tactical DMS backbone infrastructure will begin, and tactical functionality will be integrated into DMS products. The DMS Management Workstation (MWS) technical upgrade will be implemented, and additional product capability will be provided to the intelligence community.</p> <p><u>FY 2001 Program Justification:</u> Deployable Tactical DMS messaging will continue to be supported as installation of the Tactical infrastructure progresses, and two C Joint Task Force (CJTF) Headquarters will be supported by the Joint Communications Support Element (JCSE). Evolution toward the convergence of functionality of Commercial-Off-the-Shelf (COTS) and DMS products will continue.</p>	



Exhibit P-5 Cost Analysis				Weapon System		Date: FEBRUARY 1999					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number					ID Code	P-1 Line Item Nomenclature					
0300D/01/05/13 Defense Information Systems Agency						Defense Message System (DMS)					
WBS COST ELEMENTS	PYs Total Cost	FY 97 Unit Cost	FY 97 Total Cost	FY 98 Unit Cost	FY 98 Total Cost	FY 99 Unit Cost	FY 99 Total Cost	FY 00 Unit Cost	FY 00 Total Cost	FY 01 Unit Cost	FY 01 Total Cost
OTHER COSTS											
1. Subordinate Message Transfer Agent(SMTA)		8	12,000	8	16,592	6	12,444	6	6,138	8	7,784
2. Intermediate Message Transfer Agent (IMTA)		13	4,550	12	6,240	12	6,240	12	3,600	13	3,029
3. Medium Directory Service Agent (DSA)		12	4,140	11	4,268	11	4,268	11	2,761	12	1,068
4. Large Directory Service Agent (DSA)		13	832	13	1,131	13	1,131	13	1,118	13	208
5. Multifunction Interpreter (MFI)		31	775	31	1,302	31	1,302	-	-	-	-
6. Mail List Agent (MLA)		24	6,000	24	6,000	22	5,500	22	4,312	24	2,976
7. Medium Service Management System (SMS)		26	9,750	28	10,724	28	10,724	26	9,542	26	3,718
8. Backbone Message Transfer Agent		14	420	15	495	15	510	-	-	-	-
9. Administrative Directory User Agent (ADUA)		5	1,855	4	1,124	4	1,124	4	808	5	720
TOTAL			40,322		47,876		43,243		28,279		19,503

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 1999
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Appropriation(Treasury)Code/CC/BA/BSA/Item Control Number 0300D/01/05/14 Defense Information Systems Agency	P-1 Line Item Nomenclature Global Command and Control System (GCCS)
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Program Element for Code B Items:	Other Related Program Elements 0303150K
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	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Total Proc Cost			3.614	4.366	4.119	3.691	3.564	3.499	3.579	3.663	Cont	Cont

**DESCRIPTION:** The Global Command and Control System (GCCS) is the Department Of Defense's (DoD) joint command and control (C2) system of record and an essential component for successfully implementing DoD's Joint Vision (JV2010) concepts: dominant maneuver, precision engagement, full-dimension protection, and focused logistics. GCCS implements the Joint Chiefs of Staff validated C2 requirements. GCCS provides the foundation for migration of service-unique C2 systems into a joint, interoperable environment. GCCS provides a fused picture of the battlespace within a modern command, control, communications, and computer system capable of meeting warfighter needs well into the 21<sup>st</sup> century. It incorporates the core planning and assessment tools required by combat commanders and their subordinate joint task force commanders and meets the readiness support requirements of the Services. To achieve this, GCCS provides situational awareness, imagery access, indications and warning, collaborative planning, course-of-action development, intelligence mission support, and real-time combat execution capabilities needed to accelerate operational tempo and conduct successful military operations. This program addresses the GCCS requirements of the National Military Command Center (NMCC), the Alternate National Military Command Center (ANMCC), and the Operational Support Facility (OSF).

**FY 1998 Program:** Acquired equipment to support the infusion of new technology platforms into the GCCS environment and to evolve GCCS to support requirements for all joint tactical forces. This included the initial implementation of approved Defense Message System (DMS) solutions into GCCS Version 3.0 and beyond. Implemented DoD-approved multi-level security capability for GCCS commercial-off-the-shelf (COTS) hardware and software. Continued the communication upgrades for high-speed lines. Continued the implementation of GCCS to additional remote sites.

Exhibit P-40, Budget Item Justification		Date: FEBRUARY 1999
Appropriation(Treasury)Code/CC/BA/BSA/Item Control Number 0300D/01/05/14 Defense Information Systems Agency		P-1 Line Item Nomenclature Global Command and Control System (GCCS)
Program Element for Code B Items:	Other Related Program Elements 0303150K	
<p><u>FY 1999 Program:</u> Acquire equipment to support the infusion of new technology platforms into the GCCS's development, integration, testing, training, exercise, and operational environments and to evolve GCCS to support requirements for all joint tactical forces. This includes the implementation of approved Defense Message System (DMS) solutions into GCCS Version 3.0 and beyond; the continued development and fielding of Version 3.0 Stage II applications to add functionality and improve system performance; the implementation of DoD-approved multi-level security capability for GCCS Commercial-Off-the-Shelf (COTS) hardware and software; and the continued communication upgrades for high-speed lines.</p> <p><u>FY 2000 Program Justification:</u> Enhance database sites to support higher throughput needs of more graphical data. Incorporate advances in hardware and software technologies to provide easy and secure access to information. Support the implementation of Joint Operation Planning and Execution System (JOPES) database re-engineering efforts to improve access to deliberate and crisis action planning data and more efficient execution of planning and execution applications. Acquire the necessary equipment to incorporate engineered multilevel secure communications and compartmented intelligence capabilities into the GCCS. Continue the infusion of new technology platforms into the GCCS environment.</p> <p><u>FY 2001 Program Justification:</u> Replenish GCCS baseline equipment used in the Operational Support Facility (OSF) laboratories in support of GCCS. This support includes testing, integration, configuration management of new applications and/or software fixes, sustainment, training, demonstrations, and exercise support. Acquire hardware and software necessary for the programmed integration of Defense Advanced Research Projects Agency (DARPA) transitioned Advanced Concept Technology Demonstrations (ACTD's) and DISA developed Leading Edge Services (LES).</p>		



Exhibit P-40, Budget Item Justification							Date: FEBRUARY 1999					
Appropriation(Treasury)Code/CC/BA/BSA/Item Control Number 0300D/01/05/15 Defense Information Systems Agency							P-1 Line Item Nomenclature Global Combat Support System (GCSS)					
Program Element for Code B Items:					Other Related Program Elements 0303141K							
	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Total Proc Cost			3.973	6.691	4.755	5.163	4.813	4.610	4.760	4.916	Cont	Cont
<p><u>Description:</u> The Global Combat Support System (GCSS) is the final piece of the Command, Control, Communications and Intelligence for the Warrior (C4IFTW) concept and uses the same tools, approach, methodology, and integration processes in providing combat support (CS) information as are used by the Global Command and Control System (GCCS) in providing command and control (C2) and intelligence information, as established by the Joint Chiefs of Staff. GCSS accelerates the delivery of improved CS information technologies capable of integrating existing and planned combat support systems. This integration will provide the Commander Joint Task Force (CJTF) with an efficient, secure and seamless interoperability between CS data and other critical logistics information such as acquisition, finance, medical, transportation and personnel. GCSS provides a communications, computing and data infrastructure that integrates accurate CS information into a common presentation of data available to the warfighter from a single computer using the Common Operational Picture Combat Support Environment (COP-CSE) and the GCSS Portal at any time, maximizing the use of web technology. GCSS emphasizes the use of applications and data reuse for operational effectiveness and performance efficiencies, by providing the Commercial-Off-the-Shelf and Government-Off-the-Shelf software applications and infrastructure necessary for integrating the Service GCSS applications and non-shared components in an interoperable environment.</p> <p><u>FY 1998 Program:</u> Procurement funds were used to begin initial fielding of GCSS at 4 sites.</p> <p><u>FY 1999 Program:</u> Procurement funds will support continued fielding of GCSS at United States Forces Korea (USFK), Pacific Command (PACOM), European Command (EUCOM), and Central Command (CENTCOM). Funds will expand the GCSS lab to support continued GCSS development. Electronic Commerce will use procurement funds to upgrade the Central Contractor Registration (CCR) platforms, to purchase a mass storage device for transaction traffic, and to upgrade communication front-ends at the Network Entry Points (NEPs).</p>												

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 1999
Appropriation(Treasury)Code/CC/BA/BSA/Item Control Number 0300D/01/05/15 Defense Information Systems Agency	P-1 Line Item Nomenclature Global Combat Support System (GCSS)
Program Element for Code B Items:	Other Related Program Elements 0303141K
<p><u>FY 2000 Program Justification:</u> Procurement funds will be used to continue fielding of GCSS at approximately 10-15 new sites. As the System Integrator, GCSS is responsible for ensuring that the GCSS Common Operational Picture Combat Support Environment (COP-CSE), GCSS Portal, and GCSS Data Mediator are interoperable at both new sites and previously fielded sites. GCSS will utilize procurement funds to purchase additional hardware and software necessary to accomplish this.</p> <p><u>FY 2001 Program Justification:</u> Procurement funds will be used to continue fielding of GCSS at approximately 10-15 new sites. As the System Integrator, GCSS is responsible for ensuring that the GCSS Common Operational Picture Combat Support Environment (COP-CSE), GCSS Portal, and GCSS Data Mediator are interoperable at both new sites and previously fielded sites. GCSS will utilize procurement funds to purchase additional hardware and software necessary to accomplish this.</p>	

Exhibit P-5 Cost Analysis				Weapon System		Date: FEBRUARY 1999					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number					ID Code	P-1 Line Item Nomenclature					
0300D/01/05/15 Defense Information Systems Agency						Global Combat Support System (GCSS)					
WBS COST ELEMENTS	PYs Total Cost	FY 97 Unit Cost	FY 97 Total Cost	FY 98 Unit Cost	FY 98 Total Cost	FY 99 Unit Cost	FY 99 Total Cost	FY 00 Unit Cost	FY 00 Total Cost	FY 01 Unit Cost	FY 01 Total Cost
OTHER COSTS											
1. UNIX SERVER INC. HP9000/T500						398	1,194				
2. K400 ENHANCED COMMUNICATIONS						313	939				
3. MASS STORAGE DEVICES						610	1,220				
4. SYMMETRIC MULTIPROCESSORS						290	1,160				
5. SMP MATCHING UPGRADES						242	726				
6. MID TIER MULTIPROCESSORS/JTF						204	204				
7. MISCELLANEOUS COMM FRONT-END						308	308				
8. CCR PLATFORMS UPGRADES						420	840				
9. SUPPORTING EQUIPMENT						100	100				
10. JTAV SERVER			588								
11. SECRET SERVERS AT DCTF - SUN			138								
12. SUNSPARC SERVER			25								
13. SPARC STORAGE ARRAYS			188								
14. HO SERVER K240 FOR DCTF			15								
15. HP WORKSTATION FOR DCTF			146								



Exhibit P-5 Cost Analysis				Weapon System		Date: FEBRUARY 1999					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number					ID Code	P-1 Line Item Nomenclature					
0300D/01/05/15 Defense Information Systems Agency						Global Combat Support System (GCSS)					
WBS COST ELEMENTS	PYs Total Cost	FY 97 Unit Cost	FY 97 Total Cost	FY 98 Unit Cost	FY 98 Total Cost	FY 99 Unit Cost	FY 99 Total Cost	FY 00 Unit Cost	FY 00 Total Cost	FY 01 Unit Cost	FY 01 Total Cost
OTHER COSTS											
16. SUN ULTRAPARC 2 SERVERS				40	640					40	360
17. SUN ULTRA ENTERPRISE				105	1,890			105	1,470	100	1,600
18. EXABYTE 220 8MM TAPE LIBRARIES				17	17			8	16	7	21
19. 3COM COMM SERVERS				81	324			81	567	81	324
20. COMPAQ PROLIANT 7000				136	816			135	540	136	544
21. COMPAQ PROLIANT 6500				61	122			62	62	64	64
22. SUN ULTRABOOK				28	56						
23. WANG FEDERAL C2 GUARD				54	108						
24. SUN ULTRAPARC 2 CLIENTS								30	2,100	30	2,250
TOTAL			1,100		3,973		6,691		4,755		5,163

Exhibit P-5a, Procurement History and Planning				Weapon System		Date: FEBRUARY 1999				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300D/01/05/15 Defense Information Systems Agency					P-1 Line Item Nomenclature Global Combat Support System (GCSS)					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
FY 1998										
1. SUN ULTRASPARC 2 SERVERS	16	40	DISA	Nov-97	C/FP	SEWP II	Jan-98	Apr-98	YES	
2. SUN ULTRA ENTERPRISE	18	105	DISA	Jan-98	C/FP	SEWP II	Apr-98	Jul-98	YES	
3. EXABYTE 220 8MM TAPE LIBRARIES	1	17	DISA	Dec-97	C/FP	GSA	Mar-98	Jun-98	YES	
4. 3COM COMM SERVERS	4	81	DISA	Feb-98	C/FP	3COM	May-98	Aug-98	YES	
5. COMPAQ PROLIANT 7000	6	136	DISA	Dec-97	C/FP	SEWP II	Feb-98	May-98	YES	
6. COMPAQ PROLIANT 6500	2	61	DISA	Jan-98	C/FP	SEWP II	Apr-98	Jul-98	YES	
7. SUN ULTRABOOK	2	28	DISA	Mar-98	C/FP	SEWP II	Jun-98	Aug-98	YES	
8. WANG FEDERAL C2 GUARD	2	54	DISA	Aug-98	C/FP	GSA	Sep-98	Oct-98	YES	
FY 1999										
1. UNIX SERVER INC. HP 9000/T500	3	398	DISA	Nov-98	C/FP	GSA	Jan-99	Apr-99	YES	
2. K400 ENHANCED COMMUNICATIONS	3	313	DISA	Jan-99	C/FP	GSA	Apr-99	Jul-99	YES	
3. MASS STORAGE DEVICES	2	610	DISA	Dec-98	C/FP	GSA	Mar-99	Jun-99	YES	
4. SYMMETRIC MULTIPROCESSORS	4	290	DISA	Feb-99	C/FP	GSA	May-99	Aug-99	YES	
5. SMP MATCHING UPGRADES	3	242	DISA	Dec-98	C/FP	GSA	Feb-99	May-99	YES	
6. MID TIER MULTIPROCESSORS/JTF	1	204	DISA	Jan-99	C/FP	GSA	Apr-99	Jul-99	YES	
7. MISCELLANEOUS COMM FRONT-END	1	308	DISA	Mar-99	C/FP	TBD	Jun-99	Sep-99	YES	
8. CCR PLATFORMS UPGRADES	2	420	DISA	Dec-98	C/FP	TBD	Feb-99	May-99	YES	
9. SUPPORTING EQUIPMENT	1	100	DISA	Dec-98	C/FP	TBD	Feb-99	May-99	YES	

Exhibit P-5a, Procurement History and Planning				Weapon System		Date: FEBRUARY 1999					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number					P-1 Line Item Nomenclature						
0300D/01/05/15 Defense Information Systems Agency					Global Combat Support System (GCSS)						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available	
FY 2000											
1. SUN ULTRA ENTERPRISE	14	105	DISA	Nov-99	C/FP	TBD	Jan-00	Feb-00	YES		
2. EXABYTE 220 8MM TAPE LIBRARIES	2	8	DISA	Oct-99	C/FP	TBD	Dec-99	Jan-00	YES		
3. 3COM COMM SERVERS	7	81	DISA	Nov-99	C/FP	TBD	Jan-00	Feb-00	YES		
4. COMPAQ PROLIANT 7000	4	135	DISA	Oct-99	C/FP	TBD	Dec-99	Jan-00	YES		
5. COMPAQ PROLIANT 6500	1	62	DISA	Oct-99	C/FP	TBD	Dec-99	Jan-00	YES		
6. SUN ULTRASPARC 2 CLIENTS	70	30	DISA	Nov-99	C/FP	TBD	Jan-00	Feb-00	YES		
FY 2001											
1. SUN ULTRASPARC 2 SERVERS	9	40	DISA	Oct-00	C/FP	TBD	Dec-00	Jan-01	YES		
2. SUN ULTRA ENTERPRISE	16	100	DISA	Nov-00	C/FP	TBD	Jan-01	Feb-01	YES		
3. EXABYTE 220 8MM TAPE LIBRARIES	3	7	DISA	Oct-00	C/FP	TBD	Dec-00	Jan-01	YES		
4. 3COM COMM SERVERS	4	81	DISA	Nov-00	C/FP	TBD	Jan-01	Feb-01	YES		
5. COMPAQ PROLIANT 7000	4	136	DISA	Oct-00	C/FP	TBD	Dec-00	Jan-01	YES		
6. COMPAQ PROLIANT 6500	1	64	DISA	Oct-00	C/FP	TBD	Dec-00	Jan-01	YES		
9. SUN ULTRASPARC 2 CLIENTS	75	30	DISA	Nov-00	C/FP	TBD	Jan-01	Feb-01	YES		





Exhibit P-40, Budget Item Justification							Date FEBRUARY 1999					
Appropriation(Treasury)Code/CC/BA/BSA/Item Control Number 0300D/01/05/18 Defense Information Systems Agency							P-1 Line Item Nomenclature Items Less Than \$5 Million Each					
Program Element for Code B Items:					Other Related Program Elements 0303126K, 0305830K, 0305840K							
	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Total Proc Cost			13.284	14.340	13.785	14.483	16.160	15.780	16.067	16.373	Cont	Cont
<p><b>Description:</b> This program procures miscellaneous information management, communications, electronic, and automated data processing end items of equipment. Also funded are cargo carrying vehicles for DISA Europe and DISA Pacific.</p> <p><b>FY 1998 Program:</b> The program provided for automated systems and upgraded communications support for the White House Communications Agency (WHCA); classified communications computer and intelligence systems for the White House Situation Support Staff (WHSSS); development of Defense Information Infrastructure (DII) Common Operating Environment (COE) laboratories; upgrades of the DISA Information Systems (IS) infrastructure; communications security equipment for upgrades to DISA's Secure Video Teleconferencing System (SVTS) capability; and the purchase of two replacement cargo carrying vehicles for DISA European and Pacific field commands.</p> <p><b>FY 1999 Program:</b> Requested funding provides for automated systems for WHCA; classified communications computer and intelligence systems for WHSSS; upgrade the overall Electronic Commerce Infrastructure (ECI) to accommodate a variety of systems, including Defense Finance and Accounting System (DFAS), the Defense Travel System, and the Integrated Payment and Collecting System; and the purchase of two replacement cargo carrying vehicles for DISA European and Pacific field commands.</p> <p><b>FY 2000 Program Justification:</b> Requested funding will provide for automated systems for WHCA; classified communications computer and intelligence systems for WHSSS; hardware required for an Electronic Commerce (EC) Prototype Lab and enhancement of the EC Processing Network (ECPN), the targeted translation/transport mechanism for contracts, invoices and receipts for paperless contracting transactions; and the purchase of two replacement cargo carrying vehicles for DISA European and Pacific field commands.</p>												

Exhibit P-40, Budget Item Justification		Date FEBRUARY 1999
Appropriation(Treasury)Code/CC/BA/BSA/Item Control Number 0300D/01/05/18 Defense Information Systems Agency		P-1 Line Item Nomenclature Items Less Than \$5 Million Each
Program Element for Code B Items:	Other Related Program Elements 0303126K, 0305830K, 0305840K	
<p><b><u>FY 2001 Program Justification:</u></b> Requested funding will provide for automated systems for the White House Communications Agency (WHCA); classified communications computer and intelligence systems for the White House Situation Support Staff (WHSSS); hardware required for an Electronic Commerce (EC) Prototype Lab and enhancement of the EC Processing Network (ECPN), the targeted translation/transport mechanism for contracts, invoices and receipts for paperless contracting transactions; and the purchase of two replacement cargo carrying vehicles for DISA European and Pacific field commands.</p>		





Exhibit P-5a, Procurement History and Planning				Weapon System		Date: FEBRUARY 1999				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300D/01/05/18 Defense Information Systems Agency					P-1 Line Item Nomenclature Items Less Than \$5 Million					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
<b>FY 1998</b>										
<b>INFORMATION SYSTEM</b>										
IDISS Hub Upgrade		415	WHCA		C/SS	VARIOUS	Mar-98	Jun-98	YES	
Network Operating System		296	WHCA		C/SS	VARIOUS	Mar-98	Jun-98	YES	
<b>NETWORK INFRASTRUCTURE</b>										
DCSS Bridge Replacement		392	WHCA		C/SS	VARIOUS	Aug-98	Sep-98	YES	
Chiller Replacement		325	WHCA		C/SS	VARIOUS	Aug-98	Sep-98	YES	
<b>RADIO FREQUENCY</b>										
Travel VHF System Replacement		1,514	WHCA		C/SS	VARIOUS	Mar-98	Jun-98	YES	
WAS Outlying Sites		3,553	WHCA		C/SS	VARIOUS	Mar-98	Jun-98	YES	
Travel UHF SATCOM		500	WHCA		C/SS	VARIOUS	Jun-98	Aug-98	YES	
WAS Hub		258	WHCA		C/SS	VARIOUS	Jun-98	Sep-98	YES	
Tri-Band		1,162	WHCA		C/SS	VARIOUS	Mar-98	Jun-98	YES	
<b>FY 1999</b>										
<b>SYSTEMS IMPROVEMENT</b>										
IDISS Hub Upgrade		400	WHCA		C/SS	VARIOUS	Jan-99	Jun-99	YES	
WAS Outlying Sites		1,426	WHCA		C/SS	VARIOUS	Jan-99	Jun-99	YES	

Exhibit P-5a, Procurement History and Planning				Weapon System		Date: FEBRUARY 1999				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300D/01/05/18 Defense Information Systems Agency					P-1 Line Item Nomenclature Items Less Than \$5 Million					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
<b>FY 1999 (Continued)</b>										
Travel VHF Replacement		1,000	WHCA		C/SS	VARIOUS	Jan-99	Jun-99	YES	
IMS		1,000	WHCA		C/SS	VARIOUS	Jan-99	Jun-99	YES	
Fixed UHF Replacement		4,900	WHCA		C/SS	VARIOUS	Mar-99	Sep-99	YES	
Network Migration		940	WHCA		C/SS	VARIOUS	Jan-99	Jun-99	YES	
<b>FY 2000</b>										
<b>SYSTEMS IMPROVEMENT</b>										
Travel VHF System Replacement (Phase II)		8,000	WHCA		C/SS	VARIOUS	Jan-00	Jun-00	YES	
Papa Signal 2000		563	WHCA		C/SS	VARIOUS	Mar-00	Aug-00	YES	
CPU A&B Modernization		800	WHCA		C/SS	VARIOUS	May-00	Sep-00	YES	
<b>FY 2001</b>										
<b>SYSTEMS IMPROVEMENT</b>										
Travel VHF System Replacement (Phase II)		8,619	WHCA		C/SS	VARIOUS	Jan-01	Jun-01	YES	





Exhibit P-5 Cost Analysis				Weapon System		Date: FEBRUARY 1999					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300D/01/05/18 Defense Information Systems Agency					ID Code	P-1 Line Item Nomenclature Items Less Than \$5 Million					
WBS COST ELEMENTS	PYs Total Cost	FY 97 Unit Cost	FY 97 Total Cost	FY 98 Unit Cost	FY 98 Total Cost	FY 99 Unit Cost	FY 99 Total Cost	FY 00 Unit Cost	FY 00 Total Cost	FY 01 Unit Cost	FY 01 Total Cost
QUANTITY		2		2		2		2		2	
OTHER COSTS											
Vehicles			41		42		47		49		51
TOTAL			41		42		47		49		51

Exhibit P-5a, Procurement History and Planning				Weapon System		Date: FEBRUARY 1999					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number					P-1 Line Item Nomenclature						
0300D/01/05/18 Defense Information Systems Agency					Items Less Than \$5 Million						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available	
FY 1998											
1. Vehicle	1	17	Dept Navy		MIPR/FP	Navy, San Diego, CA	Apr-98	Jul-98	Yes		
2. Vehicle	1	25	Dept Army		MIPR/FP	Army, Weisbaden, GE	May-98	Jun-98	Yes		
FY 1999											
1. Vehicle	1	21	Dept Navy		MIPR/FP	Navy, San Diego, CA	Apr-99	Jun-99	Yes		
2. Vehicle	1	26	Dept Army		MIPR/FP	Army, Weisbaden, GE	May-99	Jun-99	Yes		
FY 2000											
1. Vehicle	1	22	Dept Navy		MIPR/FP	Navy, San Diego, CA	Apr-00	Jul-00	Yes		
2. Vehicle	1	27	Dept Army		MIPR/FP	Army, Weisbaden, GE	May-00	Jun-00	Yes		
FY 2001											
1. Vehicle	1	23	Dept Navy		MIPR/FP	Navy, San Diego, CA	Apr-01	Jul-01	Yes		
2. Vehicle	1	28	Dept Army		MIPR/FP	Army, Weisbaden, GE	May-01	Jun-01	Yes		

Exhibit P-40a, Budget Item Justification for Aggregated Items						Date: FEBRUARY 1999					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 0300D/01/05/18 Defense Information Systems Agency						P-1 Line Item Nomenclature Items Less Than \$5 Million Each					
Procurement Items	Prior Years	FY 97 Unit Cost	FY 97 Total Cost	FY 98 Unit Cost	FY 98 Total Cost	FY 99 Unit Cost	FY 99 Total Cost	FY 00 Unit Cost	FY 00 Total Cost	FY 01 Unit Cost	FY 01 Total Cost
OTHER COSTS											
1. IDNX Multiplexers					233						
2. SUN Storage Arrays/Packs					205						
3. DISA-IS Infrastructure					2,399						
TOTAL					2,837						

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 1999
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Appropriation(Treasury)Code/CC/BA/BSA/Item Control Number 0300D/01/05/19 Defense Information Systems Agency	P-1 Line Item Nomenclature Drug Interdiction
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Program Element for Code B Items:	Other Program Related Elements 0201182K/0208889K
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	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Total Proc Cost			4.000	0	0	0	0	0	0	0	0	4.000

**Description:** The FY 1989 National Defense Authorization Act tasked the Secretary of Defense to integrate the command, control, communications, and intelligence (C3I) assets supporting drug interdiction into an effective network. The Counter-Drug Integration Division (CDID) builds counter-drug information systems and other special programs for Commanders-in-Chief (CINCs), Joint Interagency Task Forces (JIATFs), other Department of Defense (DoD) and intelligence organizations, allied nations, and law enforcement agencies as approved by the Joint Chiefs of Staff (JCS). CDID operates numerous programs to meet the Performance Measures of Effectiveness of the Office of National Drug Control Policy, Executive Office of the President. CDID builds open systems that use cost-effective technology, enhance information sharing through collaboration tools, and enable rapid access to multiple data sources by performing a single search across networks.

**FY 1998 Program:** The Anti-Drug Network (ADNET) is the primary secure link among Defense, intelligence, and law enforcement counter-drug (CD) agencies for sharing command, control, communications, and intelligence (C3I) information. Procurement includes hardware and software on the SECRET Internet Protocol Router (SIPRNET) and other networks. Southwest Border Project (SWBSADIS): SWBSADIS connects the counter-drug information systems of Arizona, California, New Mexico, Texas and the Regional Information Sharing Systems covering a total of 27 states. Procurement includes hardware, software, and communications equipment necessary to secure query transactions, electronic mail, including smart cards, digital signatures, and end-to-end encryption. The Department of Defense role is completed as of 30 September 1998, unless Congress mandates additional Defense funds for this effort. SWBSADIS will be funded by the Department of Justice and managed by a not-for-profit corporation after Defense exits the program. Regional Police Information System (RPIS): RPIS provides secure unclassified connectivity among approximately 30 local police offices in the Tri-State area including Arkansas, Louisiana, and Texas. Procurement provides hardware, software, and communication services among the sites. The Defense role in RPIS will cease in 1999 unless Congress mandates additional funding.



**DEFENSE INFORMATION SYSTEMS AGENCY  
FY 2000/2001 BIENNIAL BUDGET ESTIMATES**

Feb-99

**SUMMARY OF REIMBURSABLES  
(\$ IN MILLIONS)**

<u>P-1 Line Item</u>	<u>FY 1998</u>		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>	
	<u>QTY</u>	<u>Est. Reimb.</u>	<u>QTY</u>	<u>Est. Reimb.</u>	<u>QTY</u>	<u>Est. Reimb.</u>	<u>QTY</u>	<u>Est. Reimb.</u>
Items Less Than \$2M								
Customer: Classified		0.0		9.5		5.0		5.0
		=====		=====		=====		=====
<b>TOTAL</b>		<b>0.0</b>		<b>9.5</b>		<b>5.0</b>		<b>5.0</b>

