

Briefing Report to the Chairman, Subcommittee on Defense, Committee on Appropriations, House of Representatives

ADP BUDGET

Potential Reductions to the Department of Defense's Budget Request



United States General Accounting Office Washington, D.C. 20548	Accession For MIIS GRASI
Information Management and Technology Division	Unannownced
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December 27, 1990	Distribution/ Availability Codes
The Honorable John P. Murtha Chairman, Subcommittee on Defense	Avail and/or Dist Special
Committee on Appropriations House of Representatives	A-1
Dear Mr. Chairman:	and the second

On September 5, 1989, you asked us to review the Department of Defense fiscal year 1991 budget request for information technology resources to assist the Subcommittee in budget deliberations and continuing oversight responsibilities. In July and September 1990, we briefed your office on our findings. As agreed with your office, we also provided this information to the Subcommittee on Readiness, House Armed Services Committee, and the Subcommittee on Defense, Senate Committee on Appropriations.

Although the Defense Appropriations Act for fiscal year 1991 was passed on November 5, 1990, as requested this report documents information provided prior to the passage of the act in briefings on selected Army, Air Force, Defense Logistics Agency (DLA), and the Office of the Secretary of Defense programs. This information can assist the Subcommittee in its continuing oversight of information technology resources.

We identified potential reductions of \$460.1 million to the Department of Defense's fiscal year 1991 budget request -\$72.0 million from the Army (see appendix I), \$74.1 million from the Air Force (see appendix II), \$14.0 million from DLA (see appendix III), and another \$300 million from Defense's operation and maintenance request (see appendix IV). These potential budget reductions are based on our assessment of budget justifications, schedule slippages, and program changes. We also provide information on Defense's Corporate Information Management (CIM) initiative (see appendix V).

As requested by your office, we did not obtain official agency comments on this report. However, we discussed its contents with officials of the Army, the Air Force, DLA, and the Office of the Secretary of Defense, and have incorporated their views where appropriate. Our work was conducted between April and October 1990. Details regarding the objective, scope, and methodology of our work are described in appendix VI.

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As agreed with your office, unless you publicly announce the contents of this report earlier, we plan no further distribution until 30 days from the date of this letter. At that time, we will send copies to the Chairmen, House and Senate Committees on Appropriations; Chairmen, House and Senate Committees on Armed Services; Chairman, House Committee on Government Operations; Chairman, Conate Committee on Governmental Affairs; the Secretaries of Defense, the Army, the Air Force, and DLA; and the Director, Office of Management and Budget. We also will make copies available to others upon request. Should you have any questions or require additional information, please contact me at (202)275-4649. Major contributors to this report are listed in appendix VII.

Sincerely yours,

Same WBanh

Samuel W. Bowlin Director, Defense and Security Information Systems

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Abbreviations

ACP	automatic communications processors
ADP	automated data processing
CIM	Corporate Information Management
GAO ,	General Accounting Office
IMTEC	Information Management and Technology Division
MAISRC	Major Automated Information System Review Committee
OSD	Office of the Secretary of Defense
RCAS	Reserve Component Automation System
SAMMS/I ³	Standard Automated Materiel Management System/Immediate
	Improvement Initiative
SIDPERS-3	Standard Installation/Division Personnel System III
SHFPT	super-high-frequency portable terminal
SLP	Strategic Logistics Program
UHFSTS	ultra-high-frequency satellite terminal system

Potential Budget Reductions—Army

We identified potential reductions of \$72.0 million to the Army's fiscal year 1991 request for information technology resources—\$4.9 million in procurement funds and \$67.1 million in operation and maintenance funds. Table I.1 shows the potential reductions to specific programs.

Table 1.1: Potential Reductions to the Army's Information Technology Budget				
Anny's mornation reciniology Budget	Dollars in millions			
			Fiscal year 1991	
	Army programs	Operation and maintenance	Other procurement	
	SIDPERS-3	\$12.9	\$4.9	
	SLP	54.2		
	Total	\$67.1	\$4.9	
Standard Installation/ Division Personnel				
System III (SIDPERS-3)				
Description of the Program	sonnel systems used by Reserves. In addition, it mating functions such as manpower accounting, a year 1988, however, the ment effort on the active potential duplication bet nent Automation System	32, was to replace all existing An the active Army, the National G was to improve personnel servi- s organization and personnel rec nd personnel management repo Army decided to focus the SIDP e Army because of congressiona tween SIDPERS-3 and the Army Re n (RCAS). RCAS is being developed functional support requirement ard.	uard, and the ces oy auto- cordkeeping, rting. In fiscal ERS-3 develop- l concern about eserve Compo- to meet the unit-	
	Committee (MAISRC) cond	Major Automated Information S lucted a review of SIDPERS-3. ¹ Th AISRC, since the Army's earlier c	is review was	

¹This committee was created within the Office of the Secretary of Defense (OSD) to provide oversight and ensure prudent fiscal management in acquiring major information systems.

Appendix I Potential Budget Reductions—Army

not exceed the threshold for a major system.² SIDPERS-3 was in the design phase of life-cycle management (milestone I) with Army officials projecting design completion and review (milestone II) by February 1990. However, during the September review, MAISRC raised questions about whether the Army had selected the best program alternative in terms of system cost, hardware, and software. As a result, although the Army had spent about 7 years and more than \$20 million selecting the concept and design for SIDPERS-3, MAISRC told the Army to go back and revalidate the system's design, which included assessing available alternatives. Despite these concerns, MAISRC allowed the Army to continue design and development of the system.

On September 26, 1990, MAISRC held a milestone II review of SIDPERS-3 to consider the status of the program and whether its progress was sufficient for a milestone II approval. Although important progress had been made on development of the relational data base and on standardization of data elements, MAISRC found that (1) the problems identified at the previous MAISRC review had not been fully corrected, (2) design activities and development planning did not meet requirements for milestone II approval, and (3) life-cycle cost and benefit estimates could not be validated. On the basis of these findings, MAISRC denied milestone II approval for SIDPERS-3. MAISRC also placed restrictions on the Army's continued development of SIDPERS-3. The Army may continue only specific activities associated with data base development, data element standardization, and pilot software development. And, prior to returning for a MAISRC review, the Army must complete planning activities required by life-cycle management policy. In addition, MAISRC directed the Army to cease further obligations and expenditures on activities not specifically authorized in the MAISRC System. Decision Memorandum dated October 30, 1990.

Funding requested in fiscal year 1991 for SIDPERS-3 includes funds for hardware, system design, training development, and testing. Table I.2 shows requested fiscal year 1991 funding.

²When a project exceeds program costs of \$25 million in one year, \$100 million total, or is of special interest to OSD, life-cycle management policies require that this system be subject to a MAISRC review or MAISRC can delegate this review to the sponsoring service.

Appendix I Potential Budget Reductions—Army

Table I.2: SIDPERS-3 Fiscal Year 1991			
Budget Request	Dollars in millions		
	Source of funds	Fiscal year 1991	
	Operation and maintenance	\$12.9	
	Procurement	4.9	
	Military personnel	.2	
	Total	\$18.(
	Source: Army 43A-1 exhibit for SIDPERS-3.		
Results of Analysis	We identified potential reductions of \$17.8 m operation and maintenance funds and \$4.9 m funds—to the Army's fiscal year 1991 budge prior review showed that the Army has not a alternatives to developing SIDPERS-3, and (2) t ongoing effort to eliminate duplicate automa common administrative areas. ³	nillion in procurement et request for SIDPERS-3. Our adequately considered (1) the implications of Defense's	
	Although the scope of SIDPERS-3 has been redu Army's cost estimate to develop and deploy t \$80 million in 1985 to \$151 million in 1990. I date for full deployment has been extended to 1993. In September 1990, we reported that the considered alternatives to SIDPERS-3. Analysis is required to (1) ensure that the best available (2) avoid duplication and unnecessary expen- addition, in this report we raised our concern ments of alternatives have not considered the ongoing initiative to eliminate duplicate auto One goal of Defense's Corporate Information which was started in October 1989, is to esta information systems for areas such as wareh agement that are common to all the military is cies. Although military personnel is not one of already identified for study, the Secretary of military personnel management in the Corpor ment program before SIDPERS-3 can be fully de-	the system increased from in addition, the estimated by almost 3 years to March he Army has not adequately s of alternative approaches ble approach is selected, and aditures on new systems. In a that the Army's assess- ie implications of Defense's omated information systems a Management initiative, ablish single automated nousing and financial man- services and Defense agen- of the eight common areas if Defense is likely to include orate Information Manage-	

³Army Automation: Decisions Needed on SIDPERS-3 Before Further Development (GAO/ IMTEC-90-66, Sept. 5, 1990).

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	Given Defense's intention to establish single automated systems for common management areas, the Committee may want to direct the Sec- retary of Defense to determine whether it is prudent for the Army to continue to develop a unique military personnel system. Further, the Committle may also wish to withhold the \$17.8 million requested for the design and development of SIDPERS-3 in fiscal year 1991 until (1) the Secretary of Defense determines it is prudent to continue the develop- ment of SIDPERS-3, and (2) MAISRC determines that the system's concept is valid.
Strategic Logistics Program (SLP)	
Description of the Program	SLP was initiated in 1989 as an umbrella concept for modernizing and integrating Army logistics—encompassing supply, maintenance, trans- portation, services, and distribution management. In a January 1990 report, we recommended to the Secretary of the Army that a single supply system be established that provides the inventory supply system manager with systemwide asset visibility. ⁴ The Army had established SLP as its method for achieving a single supply system. SLP is a long-term Army initiative to create an integrated, single logistics system for the early decades of the 21st century. SLP is designed to proceed in an evolu- tionary manner to enhance logistics through the use of rapid prototyping. Enhancements would be focused on existing systems where current processes are less than optimal, or where the potential exists to streamline overall logistics functions.
	For fiscal year 1991, the Army is requesting \$54.9 million for SLP. The Army plans to spend \$31.8 million of this amount for (1) developing functional descriptions and software for the prototypes, and (2) conducting prototype testing. If the prototypes support the original hypothesis and are demonstrably cost effective, the concept will be turned over to the acquisition managers to either develop new systems to support the concept, or to enhance existing systems or those that are emerging (i.e., currently under development). The Army plans to spend an additional \$437.0 million on automation for SLP through fiscal year 1997 for a total of \$540.6 million. Table I.3 shows the fiscal year 1991 requested funding for SLP.
	⁴ Army Inventory [.] A Single Supply System Would Enhance Inventory Management and Readiness (GAO/NSIAD-90-53, Jan. 25, 1990).

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Table I.3: SLP Fiscal Year 1991 Budget			
Request	Dollars in millions		
	Source of funds	Fiscal year 1991	
	Operation and maintenance	\$54.2	
	Military personnel	.6	
	Total ^a	\$54.9	
	^a Numbers are rounded and may not add precisely. Source: Army exhibit 43A-1 for SLP.		
Results of Analysis	Our analysis shows that this program is not adhering to see principles of Defense's life-cycle management policies. For has not been reviewed by MAISRC, nor has MAISRC delegated responsibility back to the Army. Also, SLP may be duplicat the work being undertaken by Defense's Corporate Inform ment (CIM) initiative.	r example, it 1 review ting, in part,	
SLP Does Not Follow Defense Life-Cycle Management Policies	Although the Army did not request funding from Congress fiscal year 1990, it redirected \$42.5 million from other pro- tiate this project. Our analysis of these reprogrammed fun- that \$25.4 million (60 percent) of the \$42.5 million was dee the contracting of activities associated with the developm mentation of prototype systems. When a project exceeds p of \$25 million in one year, \$100 million total, or is of speci- OSD, life-cycle management policies require that this system a MAISRC review or MAISRC can delegate this review to the s vice. However, we found that SLP was not reviewed by MAI gated to the Army for review.	ograms to ini- nds showed esignated for ent and imple- program costs ial interest to m be subject to sponsoring ser-	
	Provisions of Defense's Directive 7920.1—Life-Cycle Man Automated Information Systems—govern programs, proje ities concerned with the design, development, deployment tion of automated information systems. This directive esta milestone review and approval process as the basic contro for life-cycle management. In addition, it establishes that a be obtained at each of six major life-cycle management ph as decision points, before program management may proce phase.	ects, and activ- ;, and opera- ablishes a bl mechanism approval must ases, known	
	The first decision point within life-cycle management is the cation Phase. The purpose of this phase is to document a rand validate that need. The following activities are to be or during this phase:	mission need	

Appendix I Potential Budget Reductions—Army

- description of the existing functional concept and capabilities;
- identification of the mission, deficiencies, or opportunities;
- evaluation of the impact of deficiencies on the performance of the mission;
- · optimization of functional processes and procedures; and
- identification of essential functional, technical, and financial constraints and assumptions that may affect potential alternative solutions.

The results of these activities are to be incorporated into the Mission Need Statement. Approval of the Mission Need Statement (milestone 0) ends this phase.

The SLP underwent a milestone 0 review by the Army's Major Automated Information System Review Council (Army Council) in March 1990. During that review, SLP was described as a program to execute and evaluate "proofs of principles," that is, rapid prototypes,⁵ and to generate requirements for improvements in Army logistics. However, we found that the SLP program office did not present the results of the required milestone 0 activities. Instead, SLP was presented as a logistics concept rather than a major automated system. The program office emphasized that a considerable portion of the SLP effort is to rework Army logistics doctrine, policy, procedures, etc. As a result, the Army Council determined that SLP is not an automated information system and therefore does not require further review and approval by the Army Council or OSD'S MAISRC. However, it was also decided that any prototype developed for logistic application as a result of SLP analysis will go individually through the MAISRC process if the system meets the required dollar threshold.

We also found that, although the Army Council decided that the SLP program should not be subject to any further oversight reviews under lifecycle management policies, it directed SLP program officials to provide them with a matrix showing all the systems that SLP could affect, their program cost, and the last milestone approval of each, to define the baseline of logistics systems. In September 1990, we determined that the SLP program office had not yet developed this matrix but planned to hire a contractor to do so.

During our review we visited the office of Defense's Deputy Comptroller for Information Resources Management to c scuss the SLP program. We told the Defense officials that we were conc • ned about the Army

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⁵Currently, the Army is considering about 21 potential prototypes.

Appendix I Potential Budget Reductions—Army

- description of the existing functional concept and capabilities;
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	Appendix I Potential Budget Reductions—Army
	Council's decision that SLP should not be subject to life-cycle manage- ment. We noted that the \$54.9 million being requested in fiscal year 1991 is for information technology activities such as the development and support of prototypes, which are usually subject to life-cycle management.
	On the basis of our meetings, Defense officials requested a briefing on the SLP program from the Army. In mid-October 1990, the Army briefed Defense officials on SLP. As a result of this briefing, Defense officials were concerned about how the fiscal year 1991 funds requested for SLP are to be used. SLP program officials were asked to provide a breakdown of planned expenditures for fiscal year 1991. In addition, a Defense offi- cial indicated that MAISRC is considering making the Army's SLP a special interest program and subjecting it to MAISRC review.
SLP May Duplicate CIM Work	A goal of Defense's CIM initiative is to develop a vision for a particular functional business area that defines where Defense wants to be in the carly 21st century in terms of that function, and develop a single, Defense-wide standard system in support of that area. The Army's SLP may be duplicating, in part, this effort. A goal of the Army's SLP is also to develop a vision of where Army logistics should be in the early 21st century and to develop an integrated, single logistics system—from "foxhole to factory."
	Officials of Defense's CIM office were not familiar with the Army's SLP. As a result, they were uncertain whether the Army's program is dupli- cating the concept of the CIM initiative. However, on the basis of the information we shared with them, CIM officials said that on the surface there appears to be some duplication. CIM officials said they intend to review the Army's SLP.
	Given that (1) senior Army and Defense officials have unanswered ques tions about SLP as a result of their preliminary evaluations, and (2) CIM officials are uncertain about whether the Army's SLP is duplicating the CIM concept, the Committee may wish to consider directing the Secretary of Defense not to obligate any funds for new SLP automation efforts unti these issues are resolved.

Appendix II Potential Budget Reductions—Air Force

We identified potential reductions of \$74.1 million to the Air Force's fiscal year 1991 request for information technology resources. Table II.1 shows the potential reductions to specific programs.

Table II.1: Potential Reductions to Air			•	· · ·	
Force Programs	Dollars in millions				
			Fiscal ye		
	Programs	Other procurement	Aircraft	Research development, test, and evaluation	Tota
	ACP	\$9.9	\$46.5		\$56.4
	SHFPT			\$4.0	4.0
	UHFSCT	13.7	a		13.7
	Total	\$23.6	\$46.5	\$4.0	\$74.
Automatic Communications Processors (ACP)					
Description of the Program	The Military Airliff gram to replace and used for airlift open matic communicati command plans to p processors. About a and the remaining a 1,100 aircraft. The performance by (1) channels and frequ links, and (3) addir In fiscal year 1988, matic communicati award, Defense pro dard—Military Sta Standards for Medi mote interoperabili 1989, the Air Force automatic commun	l enhance high-fre rations, and on rel ons processors wil procure about 2,70 500 processors wil 2,200 will be used Air Force expects automatically sca encies, (2) analyzing anti-jam protect the Air Force auto ons processors. In omulgated an auto ndard 188-141A, jum- and High-Fre ty among high-fre e changed the proc	equency radio (ated ground- ll be added to 00 automatic ll be used wit with radios these proces anning and se ing the qualit tion for radio chorized prod September 1 matic link es Interoperabil quency Radio equency radio	os on selected ai based systems. o each radio. In a communication in ground-based installed on abo sors to enhance electing proper by of communication communication uction of 200 an 988, after contri- tablishment sta lity and Perform o Equipment—to systems. In Au act to redesign	rcraft Auto- all, the s radios ut radio ra

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	the new military standard. Progra to complete qualification testing to performance standards and requi time, these officials expect to stan 200 automatic communications put tract. These deliveries will not be Through a series of schedule dela \$45.5 million from two appropria and other procurement—for the st tions processors through fiscal yes received in fiscal years 1989 and 1991 for ACP.	to ensure tha rements unti- tr production cocessors acq completed u- ys, the Air Fo- tion accounts acquisition of ear 1990. Tab	t this rede l January deliveries uired und ntil Janua orce has a s—aircraf f automati le II.2 sho	sign meet 1991. At to retrof er the 198 ry 1992. ccumulate t procure c commun ws funds	s all that it the 38 con- ed ment nica- (1)
Table II.2: ACP Fiscal Year 1989-90			\$		
Appropriations and the Fiscal Year 1991 Budget Request	Dollars in millions		Finantia		
Duugottioquoot	Source of funds	1989	<u>Fiscal y</u> 199 ิ 1	1991	Tota
	Aircraft procurement	\$13.5	\$22.0	\$10.9	\$46.4
	Other procurement	0.9	9.0	0	S.9
	Total	\$14.4	\$31.0	\$10.9	\$56.3
Results of Analysis	We identified potential reduction fiscal year 1991 budget request. (lion is not needed since acquisitio tions processors is premature. Fu prior-year funds that were prema These funds could be used to offs 1991 budget request.	Dur analysis n of addition rther, we ide aturely obliga	shows tha al automa ntified \$4 ited but no	t this \$10 tic comm 5.4 million ot yet spe).9 mil- unica- n in nt.
Acquisition of New Processors Should Not Be Authorized	In January 1990, we reported that schedule delays in getting technic the processors will comply with r time, the Air Force expected to co 1989, and to commence ordering the Air Force has again experience complete formal qualification tes comply with the military standar	cal engineerir nilitary stand omplete engir compliant pr ced schedule ts to ensure t d until Janua	ng changes lard 188-1 neering wo ocessors. V delays; it delays; it hat these ary 1991. 1	a made so .41A. ¹ At ork in Dec We found does not p processor In additio	that that ember that plan to rs

<u> </u>	Appendix II Potential Budget Reductions—Air Force
	Air Force has not yet established estimated life-cycle costs for these automatic communications processors. This step is required by Defense regulations before a system is initially deployed.
	The number of processors needed to demonstrate initial operational capability by September 1992 is well within the 200 processors already acquired under the 1988 contract. The program manager told us that 23 processors are needed for this effort. Nevertheless, in June 1990 the Air Force awarded a follow-on production contract to complete its planned acquisition. This award was made 7 months before qualification tests were to be completed to ensure that the engineering changes made to the processors meet military standards. According to an Air Force official, this contract contains a minimum order quantity of one processor.
	The program manager also told us that production of these processors will not be authorized until after the engineering changes have been tested and certified. However, Defense Directive 5000.3, <u>Test and Evalu- ation</u> , requires that a system's operational effectiveness be verified before allowing the system to proceed with full-rate production. Since (1) initial operating capability is not scheduled until September 1992, and (2) the Air Force has already acquired more than enough processors to demonstrate initial operating capability, we believe the Air Force should not authorize any additional production in fiscal year 1991.
	However, in June 1990, the Air Force obligated \$9.9 million in Other Procurement funds and \$29.6 million in Aircraft Procurement funds to the follow-on production contract. This action alone will procure 815 automatic communications processors: 520 processors for aircraft radios (aircraft procurement funds), and 295 for ground radios (other procure- ment funds). The Air Force is also using some of these Aircraft Procure- ment funds to procure other items such as installation kits, engineering services for installation, test equipment, and technical manuals.
	In its fiscal year 1991 budget submission, the Air Force has requested an additional \$10.9 million in Aircraft Procurement funds to continue the production contract for automatic communications processors. According to an Air Force official, these fiscal year 1991 funds should provide an additional 172 automatic communications processors to the Air Force inventory. As we have already indicated, however, the Air Force needs only 23 of the 200 processors already acquired under the 1988 contract to satisfy planned program needs through September 1992.

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through its determination o 1992, the Committee may w nillion in aircraft procureme ent funds for fiscal years 19 ear 1991 budget requests fo the \$10.9 million requested 1 for automatic communicat	of initial opera- vish to con- ent funds and 089 and 1990 or other Air 1 for aircraft
oring the use of small, light satellite communications te ce and data communication ms include forward air cont tary Airlift Command comb ncy Portable Terminal Syste e feasibility of these termin stration and validation pro- scal year 1990 and 1991 re- unds to be used for this proj	erminals to s for highly trollers, spe- bat control em is in con- nals, the Air bject in Feb- search, devel-
Fiscal year 1990	Fiscal year 1991
\$2.7	\$1.3
\$2.7	\$1.3
tion of \$4.0 million (\$2.7 m tr 1990 appropriated funds quest for research, develop on is based on the fact that) to the fiscal ment, test, and the Air Force
ir Juo Dn	1990 appropriated funds est for research, develop

	Appendix II Potential Budget Reductions—Air Force
	(1) evaluating alternative solutions to satisfy its needs, and (2) deter- mining whether similar systems or capabilities are already available within other military services for satisfying such needs.
	We found that the Air Force has not prepared studies assessing its needs, existing capabilities, missions, and constraints or assumptions that may affect alternative solutions. Nor has it estimated the costs and benefits to be derived, or assessed the option of using similar communi- cations terminals that may be already under development or existing within the Army, the Navy, or the Marine Corps. Defense policy for establishing requirements can be found in Directive 5000.1 for major and nonmajor defense acquisitions. This directive provides that the basis of need or requirement for each new acquisition must be thor- oughly reviewed and validated, and that development of new technolo- gies must be undertaken only after carefully assessing alternative approaches to satisfy the need or requirements. Therefore, the Committee may wish to direct the Secretary of the Air Force not to obligate the \$4.0 million targeted for this demonstration system until the Air Force (1) evaluates alternatives, and (2) determines
	whether similar systems or capabilities are already available within the other military services for satisfying such needs.
Ultra-High-Frequency Satellite Terminal System	
Description of the Program	The Ultra-High-Frequency Satellite Communications Terminal program will provide both air and ground users with secure voice and data com- munications capabilities. These terminals are expected to allow many users to share a satellite channel. The Air Force expects to spend at least \$74 million on this program. Table II.4 shows funds to be used for acquiring 66 terminals and 2 network control stations for this program.

Table II.4: Ultra-High-Frequency Satellite Communications Terminals	Dollars in millions		· · · · · ·
	Source of funds	Fiscal year 1990	Fiscal year 1991
	Other procurement	\$7.2	\$6.5
	Total	\$7.2	\$6.5
		provided by the program office and from Pr et For Fiscal Year 1991, and the Department	
Results of Analysis	which is still available fr the Air Force's fiscal yea plans to acquire these te experienced system integ	reduction of \$13.7 million (\$7 om its fiscal year 1990 approp or 1991 budget request. While the rminals and network control st gration problems and schedule ototype for the system. As a re- s time.	oriated funds) to the Air Force cations, it has delays in
	system development, tes its schedule for the Ultra Program. The Air Force tional testing and evalua stone by 8 months to Ma Force program official to may be further delayed. tary of Defense not to ob targeted for the Ultra-Hi minal program until the testing and evaluation, a	egration problems and subsequenting, and evaluation, the Air F h-High-Frequency Satellite Term had originally planned to comp tion by July 1990, but later sli rch 1991. In October 1990, how old us that this testing and eva The Committee may wish to d ligate the \$13.7 million in proo gh-Frequency Satellite Commu Air Force (1) completes its init nd (2) establishes the number needed in fiscal year 1991.	orce has slipped minal System olete initial opera- pped this mile- vever, an Air luation milestone irect the Secre- curement funds mications Ter- ial operational

Appendix III

Potential Budget Reductions—Defense Logistics Agency (DLA)

	We identified a potential reduction of \$14.0 1991 request for other procurement funds. because of schedule slippage.	•
Standard Automated Materiel Management System/Immediate Improvement Initiative (SAMMS/I [°])	The SAMMS/I ³ initiative is a modernization support functions of DLA's operational Star Management System (SAMMS). SAMMS sup materiel management mission with automat requirements, supply control, financial man billing, contractor payment, and cataloging the SAMMS/I ³ initiative is to redesign the sy requirements subsystems—which make up application software—and to provide a mod management system platform for operation III.1 shows fiscal year 1991 funding request	ndard Automated Materiel oports the DLA integrated ted functions for distribution, agement, accounting and processes. The purpose of ystem's distribution and about 90 percent of the dern hardware and data base of the subsystems. Table
Table III.1: Fiscal Year 1991 Funding		
Request for SAMMS/I ³	Dollars in millions	
	Source of funds	Fiscal year 1991
	Procurement	\$14.0
	Operation and maintenance	14.4
	Total	\$28.4
	Source: Extracted from DLA's fiscal year 1991 budget request	
Results of Analysis	We identified a potential reduction of \$14.0 year 1991 request for procurement funds for shows that this program has experienced do procurement funds is premature at this time	or SAMMS/I ³ . Our analysis elays and that the request for
	In fiscal year 1991, DLA is requesting \$14.0 funds to purchase a computer system for a which will be used to test and implement th analysis showed that because of a 24-month form will not be needed until at least fiscal determined that, in the interim, any necessa plete concept development and procure and	prototype test-bed platform, le SAMMS/I ³ software. Our n schedule slippage the plat- year 1992. Further, we ary design functions to com-

Appendix III Potential Budget Reductions—Defense Logistics Agency (DLA)

before the MAISRC for a milestone II (Definition/Design) review in September 1991. We believe that it would be premature for DLA to procure a large computer test-bed for SAMMS/I³ until MAISRC has reviewed and approved the program at milestone II. Therefore, the Committee may wish to consider reducing DLA's fiscal year 1991 request for procurement funds by the \$14.0 million targeted for SAMMS/I³.

Appendix IV Consolidation Studies

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Description of the Program	In July 1989, the Department of Defense comple- review that identified various initiatives that a substantial dollar savings in operation and main in fiscal year 1991 and continuing at least throu Defense expects to achieve these savings by str and operations across the Department and its co of this streamlining effort can be found in an in tion Studies.	re expected to achieve ntenance funds beginning 1gh fiscal year 1995. eamlining management omponents. One example
	The purpose of this initiative is to achieve savin operations in support areas by eliminating redu (2) improving these operations through better s and (3) reducing headquarters operations with agement's control. The Deputy Secretary of Def teams to review possible consolidations, manag ciated savings in the following support areas: (1 (2) inventory control points, (3) maintenance de processing (ADP) design centers and operations, tions and finance centers, and (6) research and ries and test facilities. Savings from these conso by Defense at \$5.6 billion through fiscal year 19 savings anticipated in fiscal year 1991 for this	indant functions, systems and procedures, but impairing senior man- cense established study ement changes, and asso- 1) supply depots, epots, (4) automated data (5) accounting opera- development laborato- blidations are estimated 095. Table IV.1 shows
Table IV.1: Consolidation Studies		
Savings Anticipated in Fiscal Year 1991	Dollars in millions Source of funds	Fiscal year 1991
	Anticipated savings	\$300.0
		ψυυυ.υ
	Total	\$300.0
	Total Source: Budget of the United States Government Fiscal Year 1991.	\$300.0

initiatives, the military agencies offset (that is, reduced) their fiscal year 1991 budget requests by the amount of savings expected. However, in reviewing this document, we noted that the anticipated savings expected to occur in fiscal year 1991 from the consolidation of support areas were not offset directly against an appropriation request.

We discussed the consolidation of ADP design centers and operations with Defense's Deputy Comptroller for Information Resources Management and her staff. These officials told us that as of July 1990 none of the teams reviewing the consolidation of support areas had completed their studies, and until the studies are approved by the Deputy Secretary of Defense, they would be unable to tell us how much of the \$300 million anticipated savings for the consolidation studies would be used to reduce Defense's ADP budget. But, they did acknowledge that at some time during fiscal year 1991 the \$300 million anticipated savings would be distributed to specific appropriations. However, through September 1990, none of the anticipated savings has been identified or distributed against the fiscal year 1991 budget request.

Since Defense anticipates savings of \$300 million from the consolidation of support areas, but did not offset any specific appropriation request, the Committee may wish to (1) reduce \$300 million from one or more of the specific appropriation requests in order to ensure that the anticipated savings are actually taken, or (2) direct the Secretary of Defense to report back to the Committee the actual savings realized during fiscal year 1991 as a result of consolidations.

Corporate Information Management (CIM)

Description of the Program

In October 1989, the Deputy Secretary of Defense announced an initiative to improve the standardization, quality, and consistency of data from Defense's multiple management information systems. This overall initiative, referred to as CIM, is intended to eliminate multiple automated information systems or software in common administrative areas that meet the same functional requirements. Eight functional areas have been identified so far: (1) civilian payroll, (2) civilian personnel, (3) contract payment, (4) financial operations, (5) government furnished material, (6) materiel management, (7) medical, and (8) warehousing. Within each of these areas, an effort has been established to develop uniform and consistent information requirements and data formats. These standard functional and information requirements will be used to develop standard integrated management information systems. Further, according to CIM program documentation, Defense plans to eventually consider all administrative areas within the Department as future candidates for inclusion in the CIM program.

Defense annually spends approximately \$9 billion to acquire, operate, and maintain general-purpose automated information systems for administrative uses. And, according to Defense reports, over \$4 billion of this amount is annually spent on new development and modernization (i.e., enhancement). The Office of the Secretary of Defense (OSD) estimates that about one quarter (or approximately \$1 billion) of the amount annually spent within Defense on new development and modernization could eventually be saved as a result of the CIM initiative. In addition, as CIM systems are deployed, further savings are expected to result from reduced operation and maintenance costs. In November 1989, Defense issued its decision to reduce the information technology budgets of its components to reflect the savings anticipated from CIM. However, rather than have the military services and Defense agencies immediately trim \$1 billion from their budget requests, OSD decided to phase in the reduction. Each of the services was directed to take a reduction of \$100 million in fiscal year 1991, \$200 million in fiscal year 1992, and about \$300 million in fiscal years 1993 through 1995.

Results of Analysis

We found that OSD did not provide any specific direction or guidance to the services on how to apply the CIM reductions. As a result, fiscal year 1991 budget reductions were inconsistently applied. In addition, the services and OSD have yet to agree on (1) an inventory of systems within each of the eight functional areas, and (2) the effect CIM will have on these systems. Therefore, we believe that some of the funds requested by the services for new development and modernization in fiscal year

	Appendix V Corporate Information Management (CIM)	
	1991 may be used for systems that could be significantly altered or can- celed in the future because of CIM.	
CIM Reductions Inconsistently Applied	Although OSD directed the services to reduce their budgets because of the CIM effort, it provided no guidance on how to apply the reduction. Army, Navy, and Air Force officials told us that decisions regarding where to apply the reduction were left to their discretion. As a result, reductions were not necessarily taken from systems within the CIM func- tional categories. ¹	
Inventory of CIM Systems Lacking	Neither OSD nor the military services have come to agreement on an inventory of systems under development or modernization within each of the CIM functional areas. OSD has twice attempted to obtain this infor- mation. Data calls were issued, by memorandum, in June and August 1990 to each of the services. And, although the services provided responses to each of the data calls, OSD officials are still not satisfied with the quality of the responses received. Without such an inventory, we were unable to accurately determine what portion of the services' fiscal year 1991 requested funds are for CIM-related systems.	
	Since OSD and the services have not come to an agreement on an inven- tory of CIM-related systems, the Congress has no assurance that some of the funds being requested in fiscal year 1991 for system development and modernization will not be spent on systems that will be significantly altered or canceled because of CIM.	

¹At the time the services were directed to reduce their budgets, only six functional areas had been identified for review under CIM.

Appendix VI Objective, Scope, and Methodology

Our objective was to review Defense's fiscal year 1991 budget request for selected information technology programs and to provide information to the Subcommittee to assist it in determining whether the programs should be funded in the amounts requested. We performed our work in the Washington, D.C., area and in Boston, Massachusetts, between April and October 1990.

To obtain budget request information, we examined the <u>Procurement</u> <u>Programs (P-1) Department of Defense Budget for Fiscal Year 1991</u>, as well as the procurement backup books for the Departments of the Army and Air Force, and the Defense Logistics Agency, which contain information on equipment, contracts, and schedules (including Department of Defense forms P-22 and P-40). We also examined the information technology systems budgets (which contain exhibits 43A-E) for the Office of the Secretary of Defense (OSD), the Departments of the Army and Air Force, and the Defense Agencies. In addition, we reviewed the quarterly reports provided by the Defense components to OSD's Major Automated Information System Review Committee.

We met with officials from OSD, the Defense Logistics Agency, the Army, and the Air Force to obtain information on the eight programs covered in this report. We discussed issues covered in this report with officials from OSD, the Defense Logistics Agency, the Army, and the Air Force, and have incorporated their comments where appropriate. As requested, however, we did not obtain official agency comments on this report. We conducted our work in accordance with generally accepted government auditing standards.

Appendix VII Major Contributors to This Report

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