G-PC5 Letter
Original

October 27, 1986

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Dear
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:

We are pleased to provide you with the latest updates to INPUT's Procurement Analysis Report (PAR). This G-PC5 release includes 24 programs from various agencies, primarily within Department of Defense. A temporary index of these programs is included for placement at the front of the PAR Index - Section IV.B.

To update your PAR binders, using the temporary index as a guide:

1. Replace the current program descriptions with the enclosed revisions by matching the page numbers centered at the bottom of each sheet.

2. Add the enclosed new program descriptions in sequence based on the page numbers.

3. The programs listed on Page 3 of the temporary index have been awarded or withdrawn by the agencies. Remove these programs from PAR Sections V through VIII and file them at the back of Section IX until a new Awards and Deletes Section is issued.

If you have any questions about these updates or the PAR, please call us.

Sincerely,

John E. Frank
Vice President

JEF:ml

Enclosures

GPC5
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GPC-5 - RELEASE DATE OCTOBER 1986

*Revision

*Revision

AWARDS AND DELETES*

*Move these programs to the back of PAR Section IX.

AGENCY:	CODE:	DATE:
Air Force Military Airlift Command (MAC)	C5501006	9/29/86*

PROGRAM:

MAC Command and Control (C^2) Upgrade

SERVICES:

Hardware; professional services: education and training, system analysis and programming, maintenance; telecommunications.

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	(See Note A)					

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
	(See Note B)					

CONTRACT TYPE(S):	DURATION:
Varies	UNK

CONTRACTING OFFICE:

Lt. Col. John Goyette
Airlift Systems
Electronic Systems Division
L. G. Hanscom Field
Bedford, MA 01731
(617) 377-6456

PROGRAM OFFICE:

Major Neil Youngman
HQ MAC
SIPPD
Scott AFB, IL 62225
(618) 256-4540

DESCRIPTION:

This program provides for the purchase, maintenance, research and development, and site preparation of an improved Command and Control (C^2) system for HQ MAC, MAC Numbered Air Forces, Commander of Airlift Forces (COMALF), Airlift Divisions, Wings, and Airlift Control Elements.

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*Original date 10/18/84; previous revisions 5/30/85, 9/25/85, 1/16/86

BACKGROUND/FUNCTION:

The MAC C^2 upgrade program is split into 15 distinct improvements (solution elements) to MAC communications, information processing, and facility areas: 13 communications elements, 1 facility, and 1 ADP. The ADP solution element is described in PAR V-1-101, MAC Information Processing System (MAC IPS). Related improvements to MAC Command and Control include Modern HF, Improved HF Aero Stations/Ground Network, Improved Data Sets/Modems, COMSEC (PARKHILL/VINSON), UHF SATCOM, JRSC Capability (SURE COMM), HAVE QUICK, Telephone COMSEC, PSTN-VOICE, TELEX, Secure/Privacy Intrabase Radios, Facsimile, and Secure Intercom. The code for this program in the OMB Five-Year Plan is MAC ADPS 72.

ANALYSIS:

(Note A) Funding listed in the May 1985 OMB Five-Year Plan, originally attributed to the MAC C^2 upgrade, was confirmed by the Program Office to encompass only the MAC IPS. Neither the FY87 Five-Year Plan nor the Program Office identified total funding for the MAC C^2 upgrade. Recent budget reductions, confirmed by the Program Office, may force some restructuring of planned procurements.

The Program Office estimates that a total of 10,000 to 15,000 TEMPEST-certified pieces of equipment will be acquired through the MAC C^2 upgrade. That total includes terminals, workstations, graphics terminals, printers, large screen displays, and status displays.

ACQUISITION PLAN:

(Note B) MAC released a Request for Comments on the overall MAC C^2 upgrade in June 1985. MAC planned to release multiple RFPs through the program, each roughly covering one of the 15 solution elements.

A draft RFP for the MAC IPS will be released 10/86, with final RFP release scheduled 1/87. Additional details regarding the MAC IPS acquisition schedule are included in PAR V-1-101.

Two other MAC C^2 upgrade RFPs were scheduled in FY86.

- Tactical Data Station (TDS) - Digital I/O
- UHF Satellite Terminal System (USTS)

The USTS RFP was released 6/24/86, and is now in source selection with award scheduled for 11/86. The TDS RFP has been held due to program budget cuts, with no firm schedule for future release.

AWARDS TO DATE:

Magnovox Data Systems, Contract Number F19628-81-C-0033 for the MAC C^2 Architecture study.

AGENCY:

Air Force
Air Force Logistics Command
(AFLC) Maintenance Division

CODE:

C5501037

DATE:

10/6/86*

PROGRAM:

Depot Maintenance Management Information Systems (DMMIS)
(formerly Programmed Restructuring of Maintenance Management Information Systems-PROMMIS)

SERVICES:

Hardware; professional services: system integration, design and programming and analysis.

FUNDING:	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
($K)	213	2,727	2,442	408	421	438

(See Note A)

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
		3/86		8/86	11/17/86	6/87

(See Note B)

CONTRACT TYPE(S):

Hybrid of fixed price incentive, fixed price incentive (successive targets), and firm fixed price

DURATION:

One-year base contract plus options for maximum 12 year term

CONTRACTING OFFICE:

Cynthia Booker
HQ WPCC/PMY
Building 266, Area A
WP Contracting Center
WPAFB, OH 45433
(513) 257-5992

PROGRAM OFFICE:

Lt. Col. Dave Crippen
Program Manager
AFLC/MA(4)
WPAFB, OH 45433
(513) 257-2602

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*Original date 11/3/83; revised 11/27/84, 3/19/86

DESCRIPTION:

This program provides funding for the development of the DMMIS project. The acquisitions, which include an additional 13 to 15 Tandem processors to extend the current Tandem configurations and software development of a large data base configuration to support the DMMIS systems, will both be awarded to a single contractor.

BACKGROUND/FUNCTION:

This program is part of the Logistics Management Systems Modernization, (ADPS L1). Production management information is currently derived from accounting and finance applications, and is considered inadequate in substance, timeliness and accuracy. In addition, output information is produced in batch mode only, which is not suitable for managers who are trying to answer critical questions.

DMMIS is a long-range program to improve maintenance management systems by upgrading production management support and increasing system responsiveness and utility. DMMIS is comprised of three systems: Project Management Information System (PMIS), Financial Management Information System (FMIS), and Resource Management Information System (RMIS). PMIS, a transaction-oriented system, will supply the data base to be used by all the DMMIS systems. Integration of FMIS and RMIS will begin when PMIS is on-line in FY1987. Projected benefits include: a 30-50% reduction in current system O&M costs, increased management productivity valued at five million dollars, increased labor productivity valued at six million dollars, improved material control for an annual cost avoidance of one million dollars, and improved customer support worth three million dollars annually.

ANALYSIS:

(Note A) The contracting office stated that the funding shown in the FY87 OMB A-11 section 43B for DMMIS is extremely low. Estimated funding is in the $30 million range. Potential additional sources include industrial funding and funding from other programs within the Logistics Management Systems Modernization.

A DMMIS technical library has been established at WPAFB for vendors interested in acquiring additional information on the program's background, functions, and technical specifications.

Hardware systems will be procured together with the software development; the Air Force Logistics Centers will each receive two Tandem processors; HQ AFLC will retain prototyping equipment; and the Airplane Storage and Disposition Center in Arizona will receive additional processing power.

ACQUISITION PLAN:

(Note B) The RFP, F33600-86-R-7016, which was originally scheduled for release on April 10, 1986, was actually released on August 15, 1986. Bids are due by November 17, 1986 and an award is expected in June 1987.

AWARDS TO DATE:

None

AGENCY: Air Force
Air Force Logistics Command

CODE: C5501053

DATE: 10/9/86*

PROGRAM:

Automated Technical Order System (ATOS)
Formerly: Technical Repair Center Technical Order Distribution (TRCTOD)

SERVICES:

Hardware; professional services: systems integration; telecommunications.

FUNDING:	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
($K)	25,889	14,164	12,196	9,000	9,439	9,742

(See Note A)

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
				2/86	2/87	8/87

(See Note B)

CONTRACT TYPE(S):

Firm fixed price

DURATION:

One-year base contract and seven one-year options for maintenance

CONTRACTING OFFICE:

Edith Konys
WPCC/PMY
WP Contracting Center
Wright Patterson AFB, OH 45433
(513) 257-5992

PROGRAM OFFICE:

Lt. Col. J. Higby
HQ AFL/MME (ATOS)
Wright-Patterson AFB, OH 45433
(513) 257-3054

DESCRIPTION:

The resources needed to fulfill the proposed requirements for the ATOS program include: large mainframe with resident data base, maximum of 50 intelligent terminals at each ALC with hardcopy and storage capabilities, communications to link the system software, and applications software for technical order (TO) processing based on the MITAC numbering system, and maintenance of both hardware and

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*Original Date 11/4/83; Previous Revisions 11/27/84, 5/30/85, 9/9/85, 7/15/86

software. This program will allow the electronic distribution of Technical Orders (TOs) to Technical Repair Centers (TRCs) at all Air Logistics centers (ALCs).

BACKGROUND/FUNCTION:

The TRCTOD program was to be the third phase in the development of the Air Force Technical Order Management Program. The TRCTOD program is no longer in existence in and of itself. After numerous amendments (four to date), the program name has been deleted as TRCTOD and re-funded as Phase II of the Automated Technical Order Distribution System (ATOS). The initial phase of the program was prototyped in 1984 and was called ATOS. To date, ATOS has acquired a technical publication system, including Computer-Aided Design and text systems. The second phase will include the establishment of written contract interface and optical character reading abilities. The program will also implement remote user electronic maintenance information distribution. Benefits of the system will be an immediate reduction and long-range elimination of TO storage and control, improved maintenance due to rapid updates, and improved information retrieval response time. The last phase will extend electronic distribution to the maintenance technicians, but requirements have not yet been developed.

ANALYSIS:

(Note A) Funding information shown in the FY87 OMB A-11 section 43 for ATOS now covers the old TRCTOD, the maintenance/support costs for Phases I and II, and outyear purchases of maintenance and support.

(Note B) An RFP for TRCTOD was released on 19 February 1986, but has had 5 amendments to date. Another amendment is expected in mid-November.

The ATOS program may include development of a local area network (LAN) for communications at each site. This requirement may be fulfilled through another AFLC LAN program, but no decision has been made, since the TRCTOD system has undergone such extensive revision.

ACQUISITION PLAN:

No acquisition plan has been made available, and will not be available until all requirements are known and documented. Continued close contact with the Program Office is advised to determine additional program requirements and program status.

AWARDS TO DATE:

SYSCON - F42650-83-C-3408 for ATOS Phase I.

AGENCY:	CODE:	DATE:
Air Force Air Force Computer Acquisition Center	C5501083	10/9/86*

PROGRAM:

Standard Multi-user Small Computer Requirements Contract (SMSCRC)

SERVICES:

Hardware systems; maintenance

FUNDING:	FY-1985	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990
($K)		6,400	6,400	6,400	6,400	2,500
	(See Note A)					

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
	5/86			11/86	3/87	12/87

CONTRACT TYPE(S):

Fixed-price

DURATION:

Eight year contract (proposed)

CONTRACTING OFFICE:

Lt. Kozlowski
AFCAC/PG
Hanscom AFB, MA 01731
(617) 377-5286

PROGRAM OFFICE:

Mr. Frank Yarnell
SSSO/SDTP
Building 402
Gunter AFS, AL 36114
(205) 279-3282

DESCRIPTION:

This program proposes the acquisition of a family of small computers with associated hardware and software to support functional areas and general office automation needs. Several categories of multi-user system configurations will be required. The main system will consist of host processor(s), immediate access storage, system console, printers, and communications equipment. These systems will

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*Original Date 11/30/84; previous revision 9/10/85

communicate with terminals and intelligent workstations. In addition to commercial versions, all equipment except the intelligent workstations must be TEMPEST certified. Principal functions supported by the SMSCRC include data processing, office automation, graphics, and communications. Primary users of the systems will be Air Force and Navy organizations worldwide.

BACKGROUND/FUNCTION:

The SMSCRC program is one of a number of programs initiated by the Air Force to provide standardized ADPE throughout Air Force organizations worldwide.

Principal software items that will be required to support the functions of the SMSCRC include: multitasking, multiprogramming operating system, system support utilities, communications, language processors, composition graphics, data base management, menu driven source code generator utilities, word processing, electronic filing, spreadsheet, electronic mail, graphics, and statistical analysis packages.

Peripheral equipment to support the host processor and workstations will include multi-purpose printers, color video displays, graphics input and output devices, optical character readers, magnetic tapes, color camera and modems.

ANALYSIS:

(Note A) Funding shown was derived from the FY84 OMB Five-Year Plan. The Program Office refused to comment on funding.

The Air Force has awarded three other requirements contracts thus far: Zenith Data Systems for standalone workstations, TEMPEST terminals, and IBM AT compatible workstations.

ACQUISITION PLAN:

An RFI was released in May, 1986.

RFP is expected to be released in November, 1986. A Live Test Demonstration is contemplated which will include the use of a Remote Terminal Emulator (RTE) and functional test demonstrations.

AFCAC is the acquisition agency. This will be a requirements contract; all user requirements within the scope of this contract will use this contract as a mandatory source of supply.

AWARDS TO DATE:

None

AGENCY: Air Force
Military Airlift Command
Air Force Global Weather Central (AFGWC)

CODE: C5501093

DATE: 10/9/86*

PROGRAM:

Advanced Computer Flight Plan (ACFP)

SERVICES:

Professional services: programming and analysis, and IV and V.

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	938 (See Note A)	1,134	1,122	1,265	1,300	1,336

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
				1st QTR FY87		2nd QTR FY87

CONTRACT TYPE(S):

TBD

DURATION:

TBD

CONTRACTING OFFICE:

Nida Foy
375 AAW/LGCA
Building 861
Scott AFB, IL 62225-5320
(618) 256-6637

PROGRAM OFFICE:

Major Bob Goetz
HQ MAC/SCPW
Scott AFB, IL 62225-6343
(618) 256-5731

DESCRIPTION:

This program provides contractor assistance to the Air Weather Service during the software development life cycle to implement the ACFP System at the AFGWC, Offutt AFB (ME).

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*Original Date 9/25/85

BACKGROUND/FUNCTION:

The AFGWC has five general purpose UNIVAC computers which are interconnected (three 1110s and two 1100/82s). One 1110 handles classified applications, another does satellite data processing, and the remaining one does both classified applications and serves as backup to the other two computers. The primary 1100/82 provides three functions: customer unique applications, communication services, and compilation of the meteorological data base. The remaining UNIVAC 1100/82 functions as the primary backup and conducts software development when idle. All software development for the ACFP will be conducted on the secondary 1100/82.

ANALYSIS:

(Note A) Funding in FY86 provided for in-house development costs. The Program Office is currently reviewing the RFP document for release in the 1st QTR FY87. Software development for the ACFP is part of the Automated Weather Support System with the assigned budget code MAC/ADPS-15.

ACQUISITION PLAN:

The Contracting Office stated that no acquisition plan would be made available.

AWARDS TO DATE:

None

AGENCY:	CODE:	DATE:
Air Force Logistics Command (AFLC)	C5501095	9/24/86*

PROGRAM:

Technical Integration Contractor Services

SERVICES:

Professional services: systems integration

FUNDING: ($K)	FY-1986 (See Note A)	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991

SCHEDULE:	DRAFT: (SOW) (See Note B)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:

CONTRACT TYPE(S):

Firm fixed price, level of effort

DURATION:

one year

CONTRACTING OFFICE:

Gregory Rains
WPCC/PMYJ
WPAFB, OH 45433
(513) 257-5992

PROGRAM OFFICE:

Reva Hutchins
HQ AFLC/SIZI
Office of Integration
WPAFB, OH 45433
(513) 257-6772

DESCRIPTION:

This program provides funding for the acquisition of systems integration support services to assist the Program Manager in executing the Modernization Program at the Air Force Logistics Command, Wright Patterson AFB, in Ohio.

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*Original date 9/27/85

BACKGROUND/FUNCTION:

There is a requirement to upgrade or replace all existing logistics information systems under the Modernization Program. As individual programs are developed and implemented, technical integration must be maintained to insure operability for the overall logistics management tasks. The governing strategy requires the use of system integration contractors who assist the program manager in managing the modernization efforts.

ANALYSIS:

(Note A) There was no funding listed in the FY87 A-11 or OMB 5 Year Plan. Nonetheless, the Program Office indicated that this program was scheduled for at least $3 million each year through 1990.

(Note B) There is no actual schedule for RFPs at this point, since program requirements are fulfilled on an "as needed" basis. Contract opportunities will come up as needs are identified.

ACQUISITION PLAN:

Competitive procurement of services as needed.

AWARDS TO DATE:

CACI Federal; integration services, contract number F33600-86-C-7051, awarded in 9/86, one year base with 2 one year options.

Decision Information Systems Corporation; integration services, contract number F33600-86-C-7037, awarded 8/28/86, for 1 year, no options.

AGENCY:	CODE:	DATE:
Air Force Military Airlift Command (MAC)	C5501101	9/26/86*

PROGRAM:

MAC Information Processing System (MAC IPS)

SERVICES:

Hardware; software; professional services: system integration, software development, hardware maintenance; telecommunications.

FUNDING:	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
($K)	3,233	1,761	10,470	18,233	21,713	19,923
	(See Note A)					

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
	10/86			1/87	3/87	6/87
	(See Note B)					

CONTRACT TYPE(S):

TBD

DURATION:

TBD

CONTRACTING OFFICE:

Lt. Col. John Goyette
Airlift Systems
Electronic Systems Division
L. G. Hanscom Field
Bedford, MA 01731
(617) 377-6456

PROGRAM OFFICE:

Captain T. Grupe
HQ MAC
SIPPD
Scott AFB, IL 62225
(618) 256-6297

DESCRIPTION:

This acquisition will provide for development and implementation of a distributed data processing system, including hardware and spare parts. The IPS will extend local data processing capabilities throughout MAC, using local-area networks interfaced through

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*Original date 1/16/86

communications processors, and provide an on-line, interactive Command and Control (C^2) function for MAC.

BACKGROUND/FUNCTION:

The MAC IPS is one of 15 elements in the overall MAC C^2 upgrade program (see related PAR V-1-6). The MAC IPS will provide a C^2 information capability for HQ MAC, MAC Numbered Air Forces, Airlift Divisions, Wings, and Airlift Control Elements. The IPS also will interface with the WWMCCS Information System (PAR V-1-32).

MAC IPS will be installed at 129 operating locations (nodes). In addition to C^2, MAC IPS may include commercial software, such as DBMS, word processing, and spreadsheets, depending on unique requirements at each node. Functional requirements mandate that 75% of local data processing systems will be deployable in hardened, survivable shelters and through transportable systems which can be installed in military or civilian facilities. The code for the IPS in the OMB Five-Year Plan is MAC ADPS 72.

ANALYSIS:

(Note A) Funding for the MAC IPS is listed in the FY87 OMB Five-Year Plan under the heading "Acquire Command and Control Distribution Processing System for MAC". The funding has been reduced significantly from the FY86 Plan, with cuts of approximately 50% in FY88-FY90.

The MAC IPS RFP will provide functional requirements only, allowing vendors to propose an appropriate architecture. The Program Office stated that an evolutionary approach will be taken in the development and implementation of the system. The Program Office also expects to obtain System Engineering and Technical Assistance (SETA) from DCA Code A500.

ACQUISITION PLAN:

(Note B) MAC originally planned a draft RFP release 4/86 with the final RFP due 8/86. The RFP schedule has slipped as shown above. The Program Office confirmed, however, that MAC still intends to award the contract in June or July 1987.

Electronic Systems Division (ESD), Hanscom Field, is acting as the acquisition agent for MAC IPS. A reference library, including requirements and specifications for the MAC C^2 upgrade is available at Hanscom.

AWARDS TO DATE:

None specifically for MAC IPS. The overall MAC C^2 architecture was developed by Magnavox Data Systems under contract F19628-81-C-0033.

AGENCY:	CODE:	DATE:
Air Force Logistics Command (AFLC)	C5501104	10/6/86

PROGRAM:

Contracting Data Management System - Phase II

SERVICES:

Hardware, software products: DBMS, Data Dictionary; professional services: programming, system design

FUNDING:	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
($K)	3,236	7,788	6,791	12,890	582	605

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
	3/87 (See Note A)	FY87	--	8/87		8/88

CONTRACT TYPE(S):

TBD

DURATION:

TBD

CONTRACTING OFFICE:

Nancy Adams
AFLC/PMY
WPAFB, OH 45433
(513) 257-5988

PROGRAM OFFICE:

Byron Peters
AFLC
LMSC/SBD
WPAFB, OH 45433
(513) 257-8591

DESCRIPTION:

At this point, the CDMS program will primarily be a software and professional services contract. Required software will be items such as a DBMS and a data dictionary. The professional services will include some programming and design/analysis work. There is a small chance that there will be some hardware acquired through this initiative as well. The system will reside at HQ AFLC and the five other Logistics commands nationwide. There may be more than one RFP to cover the needs of this program.

BACKGROUND/FUNCTION:

The program calls for the complete modernization of the procurement process at AFLC and will eventually replace the existing outdated hardware suite. The present hardware consists of a CDC Cyber 177/30, some Burroughs and DG equipment and a few other "outdated" machines. There is also an Amdahl machine and an IBM 3081, both running under MVS.

Phase I of the CDMS program was to set up a prototype system and was awarded to Integrated Microcomputer Systems of Rockville, MD in September of 1986. According to the Program Office, Phase II is the "major acquisition" phase of the CDMS which will call for the necessary pieces to set up the full implementation of the modernized Contract Data Management System. The fully implemented system will track and maintain pre- and post-contracting actions, measure workload, compute contract delinquencies, provide financial management information, and forecast the contractual deliveries posture.

ANALYSIS:

(Note A) In addition to these schedule dates, there will be a technical library opening in early 1987.

Currently, the program is in Phase I, where IMS is developing and installing a prototype model system. There is the possibility that the selected vendor for Phase II will be required to have his systems compatible with the Amdahl and IBM under MVS.

Further program and contractual detail will be available from the Program Office when the business strategy has been finalized at the end of 1986.

ACQUISITION PLAN:

There is no acquisition plan for Phase II at this time.

AWARDS TO DATE:

Integrated Microcomputer Systems; prototype design and installation to fulfill Phase I requirements; awarded 9/22/86, contract number: F33600-86-C-7015.

AGENCY: Army Information Systems Engineering Command (ISEC)

CODE: C5502008

DATE: 9/10/86*

PROGRAM:

Army World Wide Military Command and Control System (WWMCCS) Information System (AWIS)

SERVICES:

Hardware; professional services: system integration, design, programming and analysis, validation and verification, code conversion, and hardware and software maintenance; telecommunications.

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	18,381	59,870	59,061	61,708	67,055	124,388

SCHEDULE:	DRAFT: (SOW) (See Notes A & B)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
Software Development and Ada Conversion	-	-	-	4/86	-	1/87
Block B Req's.	UNK	UNK	UNK	UNK	UNK	July 87
Joint Mission Hardware	UNK	UNK	UNK	UNK	UNK	FY87

CONTRACT TYPE(S):	**DURATION:**
Hardware	
Firm fixed-price	UNK
Block B	
UNK	UNK

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*Original date 12/13/83; previous revisions 12/17/84, 6/5/85, 8/28/85

CONTRACTING OFFICE:

Celestine Holly
USAISSAA
Mission Support Division, ASW-MSC
Mail Stop: C-40
Fort Belvoir, VA 22060-5456
(703) 664-6311

PROGRAM OFFICE:

(AWIS)
Fred Butt
Force Integration Staff Officer
Information Management
DAIM - ADC
The Pentagon
Washington, D.C. 20310
(202) 694-0515

WIS Joint Program Mission Office / RMP
Mike Rowe
7798 Old Springhouse Road
McLean, VA 22102
(703) 285-5152

DESCRIPTION:

AWIS provides funding for the acquisition of new equipment, ADP services, analysis, and programming in an effort to modernize eight WWMCCS ADP sites within the Army.

BACKGROUND/FUNCTION:

WWMCCS is a network composed of warning sensors, 60 digital computer systems in various command centers, and telecommunications used by the National Command Authority, the Chairman of the Joint Chiefs of Staff, and the Commanders in Chief of the united and specified Commands. The function of the program is the control of U.S. military forces throughout the world in peace, crisis or war.

WIS (WWMCCS Information System) is a joint effort to modernize the WWMCCS. Each branch of the service has its own WIS program to contribute to the modernization of the WWMCCS, e.g., the Air Force has AFWIS, the Navy has NWIS.

AWIS (Army WIS) represents the requirements package for the Army's role in the joint modernization effort, the ultimate goal of which is to facilitate thorough data exchange and communication capabilities among the military services. AWIS has been divided into four requirements segments as follows:

Segment 1: MODERNIZATION: Modernize, upgrade, and maintain existing equipment. Also provide configuration control and stabilization of capabilities. Make upgrades, but not to the degradation of existing capabilities at any time.

Segment 2: TRANSITION: Provide workstations, processors, DBMS and LAN capabilities; common user subsystem integration; integrate LAN with the WWMCCS mainframe (Honeywell 8/6000).

Segment 3: JOINT MISSION: Provide modern hardware, software, and a vehicle for evolutionary procurement of this hardware and software. Also provide for the integration of the LAN with the mainframe.

Segment 4: SERVICE STANDARD COMMAND UNIQUE SEGMENT: Each service has requirements under this heading in its respective WIS program. AWIS is responsible for the acquisition of the applications software and hardware. The Joint Program Mission Office will provide the contractual vehicle and the Army will fund the purchases.

ANALYSIS:

(Note A) There have been a variety of prior awards under the AWIS program, which are noted in the "Awards to Date" section of this PAR. The AWIS program has been organized into segments against which the awards have been made. The requirements for each of the segments are continuous, however, and there may be further awards made with little or no notice.

(Note B) Both the "Joint Mission Hardware" and the "Block B Requirements" contracts will originate from the Joint Program Mission Office (point of contact listed above). At this time the requirements for "Block B" are in internal evaluation and the precise contracting procedure is not known. The detailed requirements for "Block B" and possibly the procurement plans will be available from the JPMO after the first of calendar year 1987. In any case, "Block B" represents an enormous hardware and software suite, with the promise of including a large amount of programming and software development work as well.

In light of Notes A and B, continued contact with the AWIS and JPMO Program Offices is highly recommended.

ACQUISITION PLAN:

There are a variety of acquisition plans. Contact the appropriate Program Office for complete details.

AWARDS TO DATE:

Systems Research and Applications (SRA), system design; contract number MDA 903-83-C-0495.

GTE - WIS systems integration; contract number F19628-84-C-0032; Air Force.

MITRE - System engineering.

IBM - Common user products contract, awarded 10/84, JPMO.

RMS - System support (through the Small Business Administration), contract number F19628-85-C-0133, (Air Force).

TAI - Site support, awarded 2/86, contract number DAEA26-86-C-2006; and program management support, awarded 12/85, contract number DAHC06-85-C-0008.

AGENCY:	CODE:	DATE:
Army Fort Belvoir	C5502030	8/12/86

PROGRAM:

Corps Theater ADP Service Center II (CTASC II)

SERVICES:

Hardware; professional services: operations and maintenance, systems integration, site preparation, education/training

FUNDING:	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
($K)	--	13,576	32,546	45,169	16,839	15,208

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
	--	10/86	--	12/86	--	--

CONTRACT TYPE(S):

Firm fixed price

DURATION:

8 year system life

CONTRACTING OFFICE:

Rick Silva
USAISSAA
Attn: ASW-ADE
2461 Eisenhower Ave.
Alexandria, VA 22331-0700
(202) 325-9597

PROGRAM OFFICE:

Reed Reavis
Product Manager
PM-TACMIS
ATTN: ASB-TP-D
Ft. Belvoir, VA 22060
(703) 664-1881

DESCRIPTION:

The CTASC II program will be an acquisition of 50 to 70 "large", transportable computers to provide automation support to a variety of Army functional areas. According to the Program Office, there should be one contract let, but this is subject to change. In addition, the Program Office hopes to acquire many of the required peripherals in house or through existing contracts.

BACKGROUND/FUNCTION:

The CTASC program will provide the Army with a mobile ADP system designed to provide a "go to war" capability. the system will not be one large processing center operation, rather it will be largely

deployed in mobile units for field use by Army personnel. The system will receive input from sub-installations for consolidation at theater levels to provide continuity of operations capability in a tactical environment. CTASC will interface with the Decentralized Automated Service Supprot System (DAS-3), the Tactical Army Combat Service Support Computer System (TACCS), and CONUS-based wholesale activities.

ANALYSIS:

This program had also been proposed in FY86, but was delayed for at least one year. The Program Office advised that this may be the fate of the program in fiscal 1987 as well.

The majority (99%) of the CTASC units will be in the field, operated by logistics, medical, and personnel soldiers. They will be operated remotely through modems and other communication devices. As much as possible, the required software will be written in house.

There is the possibility that a related systems maintenance contract for required on-call maintenance will be let separately.

ACQUISITION PLAN:

There is a one year old acquisition plan available now. The revised acquisition plan should be available through the program office by the end of September or October of 1986.

AWARDS TO DATE:

Award to IBM for systems integration for CTASC I, for $4.3 Million; contract number: DAEA26-86-C-0018.

AGENCY:

Army
Information Systems
Engineering Command (ISEC)

CODE:

C5502031

DATE:

9/26/86

PROGRAM:

Army Corporate Data Base Project (ACDBP)

SERVICES:

Hardware; software products: DBMS, data dictionary; professional services: system integration, design, budget management.

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	--	2,158	4,867	6,825	6,025	4,459

(See Note A)

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
			10/86	FY87		

(See Note B)

CONTRACT TYPE(S):

Various

DURATION:

Various

CONTRACTING OFFICE:

TBD

PROGRAM OFFICE:

Pete Pasek
ISEC
Technical Engineering
Stop C80
Ft. Belvoir, VA 22060

DESCRIPTION:

The acquisition for the overall ACDBP will take place in 3 phases. A small number of requirements for Phase I will be acquired in a contract to be let "within the year", according to the Program Office. Major industry contracting opportunities will primarily be in the satisfaction of the requirements for Phase II and III. Phase II will involve the acquisition of distributed data network components and will also require multi-level secure LAN technology. Phase III will provide for conversion of the multi-level distributed

data network into a knowledge based system through the acquisition of leading edge artificial intelligence technology.

BACKGROUND/FUNCTION:

The Army Corporate Data Base Project is a new, multi-year effort to implement a single information system within the Department of the Army. The completed data base will enable authorized Army decisionmakers at all levels and functional areas to access data in any of the Army's files and databases through one integrated system. Army data will thus be more easily kept up to date and accurate, while the actual location and format of the data/information will be completely transparent to the user.

At this point, the primary requirements of the program are in the professional services and support areas, and are now being provided by Oak Ridge Labs, through the Department of Energy. For the next 18 months or so, the majority of requirements for Phase I will be acquired either in this manner, or from GSA schedule vendors.

ANALYSIS:

(Note A) The funding listed comes from the FY87 OMB 5 Year Plan, and covers the ACDB program in its entirety. The first 18 months of funding cover the "start up" requirements for Phase I. A more detailed breakout of specific funding to support later phases or functional requirements was not available. Also, at the time of writing, the funding for this program was being "held hostage" by the House Appropriations Committee, but the Program Office felt that this program would not be eliminated.

(Note B) Since the majority of the early efforts of this program will be manned and acquired internally, and since the program is in its earliest "start up" phases, there is no firm schedule for RFPs and awards at this time. After the "start up" and Phase I requirements are completed, (sometime after 18 months), there should be opportunities in data management, software development (distributed DBMS), and hardware.

This project represents a major effort to identify specific data elements, organize a detailed data dictionary, set up a distributed database system and eventually evolve a knowledge based system. In the early stages of this program, there will be little opportunity for "outside" contractor assistance, however there will be need for contractor services and products in the future.

The basic objectives of the three phases are as follows. Phase I will establish a database system at each of the major Army installations, and connect them with a communications network. It is anticipated by the Program Office that the backbone of the communications network will be the existing STARNET system. This first Phase should last approximately 18 months. Phase II will provide for the development of a distributed data network and will also

require multi-level secure LAN technology. At this point, it is uncertain how long this phase will last. Phase III, will provide for the conversion of the completed multi-level distributed data network into a knowledge based system.

At this time, there is a 3 node pilot system set up connecting Ft. Hood, FORSCOM HQ, and ISEC at the Pentagon.

ACQUISITION PLAN:

There is no formal acquisition plan at this time.

AWARDS TO DATE:

None.

AGENCY:	CODE:	DATE:
US Navy Naval Supply Systems Command	C5503051	9/24/86*

PROGRAM:

Uniform Automated Data Processing System (UADPS); Also called Stock Point ADP Replacement (SPAR) -- Conversion/Programming Contractor Services

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SERVICES:

Professional services: systems analysis, programming

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
Conversion	0	1,849	7,722	8,062	8,062	UNK
Applications Programming	0	1,508	5,875	6,086	6,569	1,981

(See Note A)

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
	(See Note B)					

CONTRACT TYPE(S):

Fixed Price

DURATION:

3-5 Years

CONTRACTING OFFICE:

Ernie Stokes
GSA
Office of Information Technology
Federal Conversion Support Center
5203 Leesburg Pike
Falls Church, VA 22041
(703) 756-6156

PROGRAM OFFICE:

Commander Chamberlin
Naval Supply Systems Command
Code 04U
Washington, D.C. 20376
(202) 695-4660

DESCRIPTION:

This program will provide for conversion package preparation and the subsequent conversion and implementation of the applications software used in the Navy UADPS-SP program (see related program V-3-18).

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*Original Date 8/21/84; Previous Revision 8/15/85

BACKGROUND/FUNCTION:

UADPS-SP provides efficient and responsive supply support through priority processing of material expenditure and receipt documents; and preparation of material movement documents for use in picking, packing, and shipping material. Further, the program will assure efficient financial processing as well as maintainence of accurate stock inventory and financial records. UADPS-SP will allow remote interrogation of master files and the remote preparation of local and system wide management reports regarding stock levels, inventory value and catalog changes. Each of the output products mentioned above is used by the fleet for supply support.

ANALYSIS:

(Note A) The funding shown for conversion services was last listed in the OMB 5 Year Plan for FY 1986. There is no funding update available for these services at this time, and there is no new listing in the Navy's A-11 submission for FY 1987. The application programming funding is actually "contingency funding" since program requirements may be fulfilled with existing government resources.

(Note B) The SPAR program has been organized so that conversion and programming services are to be acquired as two separate contracts through the GSA Office of Information Technology. These components will be separate acquisition efforts from the hardware acquired for SPAR (see PAR V-3-18). The schedule for the conversion services has slipped (an RFP was let in May of 1985 and the proposals were all in by August of 1986). The schedule for applications programming is unknown at this point, since these requirements may be filled in house or through existing govenment contracts.

ACQUISITION PLAN:

GSA is responsible for conducting the competitive acquisition of this part of the entire SPAR for the Naval Supply Systems Command. Two contracts are expected to be awarded for conversion services; one for work package preparation and one for application software conversion. A pre-bid conference was held in August 1985 and a final RFP released in May 1986. The estimated RFP release date for the software conversion is sometime in mid FY87. Both contracts are expected to be awarded to vendors who have qualified previously for a GSA Software Conversion Basic Agreement.

AWARDS TO DATE:

None.

AGENCY:	CODE:	DATE:
Navy Naval Underwater Systems Center	C5503062	10/6/86*

PROGRAM:

Advanced Scientific and Engineering Computational Capability for the Naval Underwater Systems Center, (Formerly: Class VI Computer)

SERVICES:

Professional services; processing services

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	--	6,300	6,300	6,300	6,300	6,300

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
	--	--	--	11/86	--	2/87

CONTRACT TYPE(S):

TBD

DURATION:

TBD

CONTRACTING OFFICE:

Joe Masterson
NUSC
Code 90
Newport, RI 02841
(401) 841-2294

PROGRAM OFFICE:

George Bain
NUSC
Code 70
Newport, RI 02841
(401) 841-3569

DESCRIPTION:

This program has been set up to acquire processing time on a class VI or similar hardware system to fulfill a projected need for an array processing center and capabilities in FY87 at the Naval Underwater Systems Center (NUSC) in Newport, RI. The funding will also provide for required software as well as operations and maintenance of the machine. This will be a contractor-owned, contractor-operated (COCO) facilities management contract.

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*Original Date 9/18/84, Previous revision 8/16/85

BACKGROUND/FUNCTION:

The NUSC mission is to manage and conduct programs of research, development, test and evaluation for the underwater programs of the Navy. With declining personnel levels, productivity enhancements must be utilized to keep pace with sponsor demand. Access to a Class VI system will increase computing power, improve response time, and reduce operating costs.

ANALYSIS:

The one contract to be let for this program is anticipated to cover the vendor supplied machine, the required software and all necessary operations and maintenance costs. The vendor supplied (and vendor owned) Class VI computer will be located on site at NUSC in Newport, Rhode Island and will be used primarily by NUSC personnel there. An appropriate portion of the funding will also go towards the costs of the CPU time on the Class VI.

ACQUISITION PLAN:

There is no acquisition plan available at this time.

AWARDS TO DATE:

None.

AGENCY: Navy
Naval Supply Systems Command

CODE: C5503079

DATE: 10/3/86

PROGRAM:

Engineering Data Management Information and Control System (EDMICS)

SERVICES:

Hardware; software; professional services: system integration, programming and analysis, maintenance, and training; telecommunications: local area network.

FUNDING:	**FY-1986**	**FY-1987**	**FY-1988**	**FY-1989**	**FY-1990**	**FY-1991**
($K)	0	4,421	1,080	200	200	200

(See Note A)

SCHEDULE:	**DRAFT: (SOW)**	**CBD: ANN.**	**PRE-BID: CONF.**	**RFP/RFQ: RELEASE**	**BID DUE:**	**AWARD:**
	9/19/86			1/87		2QFY88

(See Note B)

CONTRACT TYPE(S):

TBD

DURATION:

One year base, with seven option years maintenance

CONTRACTING OFFICE:

ADPSO
Building 218
Washington Navy Yard
Washington, DC 20374
(202) 433-2396

PROGRAM OFFICE:

Jerry Russomano
Naval Supply Systems Command
Code PML 550
Crystal Mall #3, Room 700
Washington, DC 20376-5000
(202) 694-9111

DESCRIPTION:

EDMICS is the acquisition of a storage and retrieval system for Navy engineering data, including hardware, software, installation, and training. EDMICS will include optical and magnetic disk storage, digitizing scanners, graphics printers and plotters, graphics display and editing terminals, and communications interfaces.

BACKGROUND/FUNCTION:

EDMICS will replace the current manual and semiautomated aperture card based systems at eight primary engineering drawing repositories. The Navy expects to improve technical data support to shore facilities and the fleet by applying commercially available technology for electronic storage, receipt, and distribution of engineering data.

The EDMICS acquisition is managed by the Navy Standard Technical Information Systems (NSTIS) office, which has responsibility for engineering drawing repositories, automation of technical libraries, local area networking for logistics information, demand printing of logistics technical information, and electronic displays for fleet maintenance. NSTIS coordinates standards for a variety of Navy logistics systems. The NSTIS office also serves as the CALS coordinator for the Navy (See PAR V-4E-4).

ANALYSIS:

(Note A) Funding shown above is listed in the FY87 Navy A-11 under the title "Navy Standard Technical Information System (NSTIS)".

EDMICS has been released as a joint Navy/DLA specification, although the initial requirements indicate installation only at Navy sites. The FY86 DLA A-11 included funding of approximately $10 million in FY85-86 for a program titled "Engineering Drawing Automated Storage and Retrieval Equipment (EDASRE)" (PAR V-4A-7), which is similar in scope and content to EDMICS. EDASRE does not appear in the FY87 A-11. The EDASRE Program Office confirmed that DLA now intends to fulfill its requirements through the joint EDMICS acquisition.

The draft technical specification, which is available from the Program Office, describes EDMICS primarily in terms of functional capabilities and standards, to permit vendors latitude in optimizing their proposed configurations. The list of standards, however, is somewhat stringent, including Initial Graphics Exchange Standard (IGES), Product Definition Exchange Specification (PDES), Standard Generalized Markup Language (SGML), Structured Query Language (SQL) for data base processing, and either Berkeley UNIX BSD 4.2 or Bell UNIX System V with BSD 4.2 extensions.

EDMICS will be required to interface with other Navy and DoD systems, such as the Navy standard CAD/CAM (NICADMM, PAR V-3-14), SPLICE (PAR V-3-50), and the DDN. The DDN interface may be provided through SPLICE.

A specific contracting officer has not be assigned to EDMICS. The Program Office confirmed that contracting will be handled through ADPSO.

ACQUISITION PLAN:

(Note B) Award date is estimated based on the target RFP release date supplied by the Program Office and schedule information contained in the EDMICS draft technical specification.

Following initial evaluation of bids, qualified offerers will participate in a Live Test Demonstration (LTD) before contract award. The winning vendor will be notified within 30 days of the last LTD. The Navy will conduct a subsequent Phase I test of the winning vendor's system at one site 180 days following contract award. Production delivery and installation of EDMICS systems will begin in April 1989 at a rate of one system per month.

AWARDS TO DATE:

None.

AGENCY:	CODE:	DATE:
Department of Defense Office of the Secretary of Defense (OSD)	C554E001	10/10/86*

PROGRAM:

Composite Health Care System (CHCS)

SERVICES:

Hardware; software; professional services: systems integration.

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	14,803	60,647	88,968	107,383	87,623	104,475

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
		11/23/84		4/85		9/87
	(See Note A)					

CONTRACT TYPE(S):

Cost plus fixed fee

DURATION:

One-year contract with no options

CONTRACTING OFFICE:

Lt. Cmdr. Bob Sutton
USAISSAA
2461 Eisenhower Avenue
Hoffman 1 Room 272
Alexandria, VA 22331-0700
(202) 325-9550

PROGRAM OFFICE:

Cmdr. Roger Hughes
TRIMIS Program Office
5401 Westbard Avenue
Bethesda, MD 20816
(301) 295-2260

DESCRIPTION:

This program provides funding for the development and implementation of a fully integrated set of automated health care applications. An integrated automation system which will support many of the information requirements of both health care providers and administrators at the hospital level, CHCS will be implemented throughout all three Military Medical Departments.

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*Original Date 1/16/85; previous revision 11/13/85

BACKGROUND/FUNCTION:

CHCS will be the final step in the TRI-Service Medical Information System (TRIMIS) to develop a fully integrated Military Medical Community.

CHCS will provide patient care data through integration with the functional workcenters serving Pharmacy, Laboratory, Radiology, Patient Administration, Patient Appointment and Scheduling, Clinical Dietetics, and Nursing. It will also provide interfaces to other TRIMIS and DoD systems. This includes the functional areas of food service, medical logistics, and the Defense Enrollment and Eligibility Reporting System (DEERS). CHCS will also be required to interface with all service-specific tactical systems and the Uniform Chart of Accounts (UCA).

CHCS will include the use of a standard communications system throughout the medical treatment facility. This will provide the flexibility to permit growth to accomodate increased patient workload during wartime or national emergency situations.

Functional requirements for CHCS were developed in coordination with the three Military Medical Departments. The TRIMIS Pharmacy, Radiology, Laboratory, Patient Appointment and Scheduling, and Administration systems have been used to validate the functions to be supported by CHCS.

ANALYSIS:

EDS was awarded a contract to supply technical support to TRIMIS and the CHCS program. The original contract called for EDS to review proposals submitted to CHCS. As a result, a protest was initiated against the terms of the contract by the CHCS bidders. The TRIMIS Program Office modified the existing contract so that EDS would not be involved in the evaluation process whatsoever.

ACQUISITION PLAN:

(Note A) The RFP for the "compute-off", which will be released to the four current vendors only, is expected to be revised by November 1, 1986.

This procurement will run in accordance with OMB circular A109/DD5000.1. After the demonstration "compute-off", a single vendor will be selected for the subsequent procurement.

AWARDS TO DATE:

Electronic Data Systems for SETA to TRIMIS and CHCS.
Finalists in the A109 "compute-off":

- SAIC
- McDonnell Douglas Health Systems Information Company
- Technicon Data Systems Corporation
- Travenol Labs, Inc.

AGENCY:	CODE:	DATE:
Department of Energy Oak Ridge Complex, Y-12 Plant	C5607057	10/1/86*

PROGRAM:

Power Control System

SERVICES:

Hardware; software; telecommunications.

FUNDING:	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
($K)	1,740 (See Note A)	2,000				

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
	(See Note B)					

CONTRACT TYPE(S):

TBD

DURATION:

TBD

CONTRACTING OFFICE:

Neil Lentz
Martin Marietta Energy Systems
Purchasing Division
PO Box M
Oak Ridge, TN 37831
(615) 576-1662

PROGRAM OFFICE:

Wayne Groppe
Martin Marietta Energy Systems
Building 9737
PO Box Y
Oak Ridge, TN 37831
(615) 574-0503

DESCRIPTION:

Funding for this program provides for the purchase of one dedicated minicomputer, a control facility, monitoring system, plant power information system and an improved communications network, for the Oak Ridge Y-12 Plant's power supply system.

BACKGROUND/FUNCTION:

The Y-12 Plant is operated by Martin Marietta Energy Systems, Inc. The plant was built in 1943 and has since become the largest and

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*Original date 4/11/84; previous revision 1/18/85

most diverse production installation, specializing in highly sophisticated engineering, development, and manufacturing of nuclear weapons and components. Funding for this program will be allocated through the DoE Defense Program area of Weapons Activities Production and Surveillance.

The Power Control System will allow the plant to control peak demand and average load, and provide electrical dispatching, trouble shooting, and emergency response to power related incidents. The system will further aid the technicians in bringing the plant back up to full power after major power failures or disruptions.

This system represents a somewhat eclectic hardware, software and telecommunications procurement, which will be the contractual vehicle for a mini computer (VAX 11/780 size or smaller), a 20 X 20 foot "Control Board/Monitor", remote terminals and updated radio and telephone systems. The current communications system dates from the construction of the plant.

ANALYSIS:

(Note A) The funding listed comes from the FY87 OMB A-11 filing of the Department of Energy. Although there are funds listed for FY86 and FY87, the program is still on hold. No procurements have been made to date. Previous reports of the Power Control System show similar funding levels year to year, from the program's first appearance in 1984 to this present date. Each FY, the requested funding slipped back another year, and according to the Program Office, this slippage is likely to continue.

(Note B) There is no formal schedule for this program at this time. Each funding year, the Y-12 Plant makes a request for this system and the money is never spent. At this point, the program is still in milestone 0 status. There has not even been an engineer assigned to develop the formal design of the system; "No real engineering has been done", as the Program Office indicated.

If this program does get authorized and under way in its current envisioned configuration, the opportunities for hardware and application software will be relatively small.

ACQUISITION PLAN:

There is no acquisition plan at this time.

AWARDS TO DATE:

None

AGENCY: | **CODE:** | **DATE:**

Department of the Treasury
Internal Revenue Service (IRS) | C5712005 | 10/30/86*

PROGRAM:

Automated Examination System (AES)

SERVICES:

Hardware; software; professional services: system analysis and programming, consulting.

FUNDING:	FY1986	FY1987	FY-1988	FY-1989	FY-1990	FY-1991
($K)	24,297	51,378	167,760	230,423	211,273	19,108

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
Phase I	-	-	-	-	-	9/7/85
Phase II	-	-	-	-	-	2/25/86
Phase III				1/87		FY87

(See Note A)

CONTRACT TYPE(S):

TBD

DURATION:

TBD

CONTRACTING OFFICE:

Fred Martin
Internal Revenue Service
Contracts and Procurement Branch
ICC Building, Room 1320
1111 Constitution Avenue, NW
Washington, DC 20224
(202) 535-6715

PROGRAM OFFICE:

Robert Dooley
Internal Revenue Service
D:C: AES, Room 6365
ICC Building
1111 Constitution Avenue, NW
Washington, DC 2-224
(202) 566-8611

DESCRIPTION:

The Automated Examination System (AES) will be obtained using three separate competitive procurements. The Phase I solicitation, awarded

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*Original date 2/2/84; previous revisions 10/2/84, 5/30/85, 9/20/85, 5/13/86

to Arthur Andersen & Company on September 7, 1984, will determine alternative design concepts with related costs and benefits. Arthur Andersen & Company will prepare functional specifications for the design concept selected by the government. Phase II was awarded to Zenith Data Systems and provides portable computers and off-the-shelf software for the use of IRS field agents and other examination personnel. There will be two separate contracting efforts to fulfill the requirements for Phase III. One source selected for Phase III will provide a DBMS system allowing agents to remotely search a database of tax law materials. The other contractor will provide hardware to support the AES. Specifically, the selected vendor will supply approximately 1100 minicomputers and 10 thousand micros ("desktops").

BACKGROUND/FUNCTION:

The IRS describes the AES as a system that can interface with all or most of the services' current information resources. The examiner would have access to all pertinent information, from transaction tapes, Discriminant Function Formula (DFF) files, Information Return Program tapes, and the Master Files. The AES could consolidate many existing specialized systems,such as centralized scheduling of office examinations, examination report writing, case control, technical time workload study reports, and the Audit Information Management System (AIMS).

The AES will support the Examination and Appeals organizations of the IRS. In general, there are 624 permanent IRS offices distributed throughout the 50 states where the Automated Examination function will take place. The proposed system will also accommodate examination personnel who perform work in nonpermanent facilities through the use of portable equipment, such as terminals and modems.

The AES is part of the IRS's overall effort to streamline the entire tax system. AES is being developed to be compatible with both the Tax System Redesign Program (PAR VII-12-6) and the Integrated Collection System (PAR VII-12-33), and will eventually interface with these systems through the Servicewide Integrated Telecommunications Network (PAR VII-12-32).

ANALYSIS:

(Note A) According to the Program Office, full implementation of the AES will take place over a number of different phases. Only the first three phases are listed in this report; there will be a variety of future AES requirements which will be fulfilled through other acquisition phases. Some future requirements would include: large hardware systems for increased data storage capabilities, and some LAN requirements.

Funding information listed represents the total expenditures anticipated to implement the AES. A breakout of funding requirements to support each phase was not available.

Arthur Andersen & Company will be required to provide design support throughout the implementation of the total AES. Arthur Andersen & Company is excluded from bidding on the Phase III solicitation.

ACQUISITION PLAN:

Two RFPs for Phase III requirements are anticipated for release in early 1987.

AWARDS TO DATE:

Arthur Andersen & Company, contract TIR84-0180, awarded September 1984; one-year base with three one-year options.

Zenith Data Systems, contract TIR-86-270, awarded February 26, 1986; three year contract.

AGENCY:	CODE:	DATE:
NASA Langley Research Center	C5815034	10/8/86*

PROGRAM:

Replace Real-Time Simulation Processors

SERVICES:

Hardware

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	(See Note A)					

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
	(See Note B)					FY89

CONTRACT TYPE(S):

TBD

DURATION:

TBD

CONTRACTING OFFICE:

Asa Shaw
Langley Research Center
Contracts Branch
Mail Stop 126
Hampton, VA 21665
(804) 865-2002

PROGRAM OFFICE:

Dick Hofler
Langley Research Center
Analysis and Computation Division
Computer Systems Branch
Hampton, VA 21665
(804) 865-2588

DESCRIPTION:

This program provides for the acquisition of replacement hardware to upgrade the real-time simulation processors at the Scientific Computer Center, Langley Research Center (LaRC).

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*Original date 1/27/84; previous revision 2/22/85

BACKGROUND/FUNCTION:

The Scientific Computer Center provides real-time simulation support of research into advanced aircraft and space vehicle aerodynamics and control systems. Two CDC Cyber 175 processors currently serve as the simulation processors used to perform computations; digital to analog signal conversion equipment is used for I/O between the processors and simulators.

ANALYSIS:

(Note A) No funding information was available in the FY87 OMB 5 Year Plan, the FY87 A-11 submission, or from the Program Office. The last available funding information was listed for the program's original appearance in the OMB FY83 5 Year plan and called for some $2 million for the one year indicated.

(Note B) The listed award date is very tentative, "at the earliest", according to the Program Office. Further, this item has been "on the budget" for at least three fiscal years, is scheduled for award in fiscal 1988, yet there has been no formal effort to organize the procurement process.

There has been no actual Program Office assigned to the program at this time. Nonetheless, Dick Hofler is at least one person who knows about the program's status.

ACQUISITION PLAN:

There is no acquisition plan at this time.

AWARDS TO DATE:

None.

AGENCY:	CODE:	DATE:
NASA Johnson Space Center (JSC)	C5815051	10/2/86*

PROGRAM:

Shuttle Mission Simulator (SMS), Guidance Navigation Simulator (GNS) Intelligent Controller (IC) and Host Replacement (Originally 2 separate procurement actions; one for IC and one for Host)

SERVICES:

Hardware

FUNDING: ($K)	FY-1986 (See Note A)	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991

SCHEDULE:	DRAFT: (SOW) (See Note B)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:

CONTRACT TYPE(S):	DURATION:
TBD	TBD

CONTRACTING OFFICE:

Virginia Willis
Data Systems & Flight Operations
Code BB21
NASA Johnson Space Center
Houston, TX 77058
(713) 483-4031

PROGRAM OFFICE:

Dick Roundtree
Systems Development
Code FS7
NASA Johnson Space Center
Houston, TX 77058
(713) 483-6101

DESCRIPTION:

This program will support the competitive acquisition of a Sperry 1100/94 class machine which will serve as both the host and IC for the Shuttle Mission Simulator and Guidance Navigation Simulator. This computer will also host and "front end" three other simulators: the Network Simulator, the Space Lab Simulator, and the Payload Simulator.

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*Original Date 4/4/84; Previous Revision 4/6/85

BACKGROUND/FUNCTION:

Johnson Space Center is responsible for managing the design, development, and manufacture of manned spacecraft; selecting and training astronaut crews; and conducting manned space flight missions. In addition, JSC conceives, plans, and develops advanced missions; conducts research in the life sciences; and performs earth resources surveys.

The SMS and GNS are two of a total of at least five simulators in the Systems Development Division at Johnson. Also in operation are a Network Simulator, a Space Lab Simulator, and a Payload Simulator, each of which provides detailed mathematical modelling capabilities for its area of application. The current installed base consists of three Sperry 1100/44s, three Perkin-Elmer 832s and the Singer - manufactured simulators mentioned above.

ANALYSIS:

(Note A) There is no specific funding information available at this time.

(Note B) This schedule is the Program Office's best guess, pending approval of program and budgetary requests. Since there are severe maintenance problems with the present outdated installed hardware base, NASA has implemented an interim solution until more permanent upgrade plans are approved.

For the host shortcomings, NASA Johnson proposes to lease a Sperry 1100/92, and to satisfy their needs for an "updated" IC, they plan to have a service contractor (Singer-Link) procure a Concurrent 3280 Multiprocessor. These procurements will not be competitive, but upon approval of the long term SMS, GNS IC and Host Replacement plan, there will be competitive procurements.

ACQUISITION PLAN:

There is no acquisition plan at this time.

AWARDS TO DATE:

None

AGENCY: NASA
Johnson Space Center (JSC)

CODE: C5815053

DATE: 9/29/86*

PROGRAM:

Flight Data System Upgrade (Formerly: Replace Obsolete FDS Equipment)

SERVICES:

Hardware; software

FUNDING:	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
($K)	305	245	100	120	140	160

(See Note A)

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:

(See Note B)

CONTRACT TYPE(S):

TBD

DURATION:

TBD

CONTRACTING OFFICE:

Virginia Willis
Code BB21
Data Systems & Flight Operations
NASA Johnson Space Center
Houston, TX 77058
(713) 483-4031

PROGRAM OFFICE:

Emory Smith
Code DM5
Flight Design & Dynamics Division
NASA Johnson Space Center
Houston, TX 77058
(713) 483-2855

DESCRIPTION:

This program provides for the acquisition of augmentation hardware, and the replacement of obsolete equipment at the Flight Design Systems Center. At this point, the primary focus of the FDS upgrade will be related to architectural improvements; i.e. changes in processing architectures and possibly acquisition of new hardware to increase system throughput.

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*Original date 4/4/84; previous revision 2/27/85

BACKGROUND/FUNCTION:

Johnson Space Center is responsible for managing the design, development, and manufacture of manned spacecraft; selecting and training astronaut crews; and conducting manned spaceflight missions. In addition, JSC conceives, plans and develops advanced missions; conducts research in the life sciences; and performs earth resources surveys.

The Flight Data System operates in support of the Flight Design and Dynamics Division at Johnson. Functionally, it is a stand-alone system which is used to calculate orbiter ascent and descent paths, to compute launch windows, and perform other similar "number crunching" tasks. Currently, the FDS consists of a Perkin-Elmer machine with a FORTRAN compiler, operating system, and a variety of applications software.

ANALYSIS:

(Note A) The FDS upgrade is an old budget item and has a history of being "ignored" or put off from budget year to budget year. As indicated by the original date of this report, the program has been a line item since at least calendar 1984. The Program Office indicated that the possibility of further program slippage is still quite real.

(Note B) The details of the upgrade plans are being determined now through a 90 day internal study. The study will assess the capabilities and shortcomings of the present FDS hardware / architecture and will provide recommendations of improvement of the system. This internal study should be completed by late 1986, and after the results are discussed, there may be a more firm schedule.

ACQUISITION PLAN:

There is no acquisition plan at this time.

AWARDS TO DATE:

None

AGENCY:	CODE:	DATE:
NASA Ames Research Center (ARC)	C5815060	10/1/86*

PROGRAM:

Numerical Aerodynamic Simulator (NAS) Processing System Network (NPSN) - Hi-Speed Processors #2, #3 and #4

SERVICES:

Hardware; professional services: programming and analysis, systems integration.

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
Prcsr. #2	-	2,500	8,500	8,500	8,500	4,250
Prcsr. #3	-	-	-	4,400	8,800	8,800
Prcsr. #4	-	-	-	-	-	5,340

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
Prcsr. #2	-	-	-	2QFY87	-	-
Prcsr. #3	-	-	-	FY88	-	-
Prcsr. #4	-	-	-	FY90	-	-

CONTRACT TYPE(S):

Fixed price

DURATION:

UNK

CONTRACTING OFFICE:

Rosemary Buchanan
NASA - Ames Research Center
Mail Stop N/S 233-1
Moffett Field, CA 94035
(415) 965-5812

PROGRAM OFFICE:

Frank Preston
NASA - Ames Research Center
Mail Stop 232-6
Moffett Field, CA 94035
(415) 694-6349

DESCRIPTION:

Funding for this program provides for the acquisition of three supercomputers and associated professional services which NASA will coordinate for the NPSN.

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*Original date 9/9/85, previous revision 5/15/86

BACKGROUND/FUNCTION:

The NPSN is the Center's major requirement for ADP systems and services. The current plan to implement the NPSN employs an evolutionary phased development, utilizing a multivendor approach. The system features prototype high-speed processors, as they become available, and a supporting system consisting of workstations, graphics stations, mass data storage, and a long-haul side-band satellite communication link between the NASA centers.

NAS capability will enable a large number of users from NASA, DoD, academia, and industry simultaneously to solve heretofore intractable problems of national importance. NAS will make possible the mathematical solution of three-dimensional aerodynamic and fluid flow problems that were previously impossible to solve. New systems will permit extensive analytical research that will explore aircraft configurations and obviate expensive and generally incomplete wind tunnel simulations. Solutions of the full Navier-Stokes equations (introduced mid-1800s) will reveal underlying mechanisms of turbulence, flow separation and reattachment, and aerodynamic noise.

ANALYSIS:

The NAS currently meets its processing needs with a CRAY-2 and will be looking to supplement processing capability with the FY87 acquisition of a second processor with a sustained speed of one GFLOPS. In the late 1980s a third processor, with a sustained speed of four or five GFLOPS, is expected to be acquired, and in 1991, a fourth processor with a sustained speed of 16 GFLOPS should be acquired.

The Program Office noted that the dollar amounts and schedule for processor #4 are based on estimates of available supercomputer technology in the early 1990's and therefore cannot be considered completely firm schedule dates.

In all cases, according to budget documents, NASA plans to lease the supercomputers noted above; they have no plans to buy at this point.

ACQUISITION PLAN:

The Program Office confirmed that the specifications for Processor #2 have been completed and approved, and that the commitment for #2 has been made through NASA headquarters. An RFP is not anticipated for release before 2QFY87.

Procurement activity for Processor #3 will not begin until FY88 and activity for #4 will not begin until FY91 at the earliest.

AWARDS TO DATE:

None.

AGENCY:

NASA
Goddard Space Flight Center (GSFC)

CODE:

C5815066

DATE:

10/2/86*

PROGRAM:

Systems, Engineering, and Analysis Support Services (SEAS)

SERVICES:

Professional services.

FUNDING: ($K)	FY-1986	FY1987	FY-1988	FY-1989	FY-1990	FY-1991
	(See Note A)					

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
	5/1/86	3/86	--	9/15/86	12/86	11/15/87

CONTRACT TYPE(S):

Cost plus award fee

DURATION:

2 yrs., 10.5 months
2 yr. priced option
3 yr. unpriced option
2 yr. unpriced option

CONTRACTING OFFICE:

Tom Russell
Goddard Space Flight Center
Code 285
Greenbelt, MD 20771
(301) 286-7515

PROGRAM OFFICE:

Mission Operations and Data
Systems Directorate
Goddard Space Flight Center
Code 500
Greenbelt, MD 20771
(301) 286-8768
(See Note B)

DESCRIPTION:

Through the SEAS contract, GSFC will acquire contractor support for a variety of analysis, systems development, and engineering efforts. Planning and analysis will cover current and long range NASA customer support and systems. Systems development includes a full range

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*Original date 6/17/86

of radio frequency, analog, digital, communications and data systems used by the Mission Operations and Data Systems (MO&DS). Engineering includes technology applications development, acquisition of hardware and software systems, systems analysis, systems modifications, and quality assurance. Supporting documentation, logistics, and training also will be required.

BACKGROUND/FUNCTION:

The MO&DS Directorate provides data, tracking, and communications systems support. MO&DS has grouped its requirements for private industry support into two major procurements: Networks and Mission Operations Support (NMOS) and SEAS. SEAS will provide contractor technical support to the Systems Management Office and six line divisions within MO&DS:

1. Mission Operations
2. Data Systems Technology
3. Networks
4. NASA Communications (NASCOM)
5. Flight Dynamics
6. Information Processing

ANALYSIS:

(Note A) Neither the FY86 OMB Five Year Plan nor the FY87 NASA A-11 submission explicitly identify funding for SEAS. Individual mission areas will provide funding through internal subcontracting with the MO&DS Directorate, Code 500. The Contracting Office estimated the level of effort for SEAS at 1200 person-years in FY88.

(Note B) The Contracting Office refused to identify either the organization or manager responsible for SEAS, since they want to limit direct industry contact with these individuals. The Program Office address and telephone number show above is for the Director of MO&DS.

Further contract details are as follows: The solicitation of this program will also result in a separate phase-in contract scheduled to commence on September 1, 1987, and continue through January 1, 1988. During this five month period, sections of the Statement of Work will be phased in at different times allowing approximately 2 to 2.5 months for each section.

ACQUISITION PLAN:

A draft Statement of Work dated April 15, 1986 was released for industry review May 1, with comments due back to NASA by May 30. The Contracting Office does not anticipate further dialog with industry before RFP release.

The SEAS procurement reflects a NASA-wide acquisition strategy to consolidate vendor support at each NASA center. Similar procurements are expected at other NASA centers such as Kennedy, Johnson, and Ames.

AWARDS TO DATE:

None specifically for SEAS. GSFC currently receives contractor technical support from a variety of companies including SASC, Lockheed, Sigma Data, RMS, CSC, and OAO.

AGENCY:	CODE:	DATE:
Veterans Administration (VA)	C5816007	8/13/86*

PROGRAM:

Integrated Data Communications Utility (IDCU)

SERVICES:

Telecommunications: Value-Added Network (VAN).

FUNDING:	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
($K)	18,507 (See Note A)	23,907	24,507	20,007	20,507	20,575

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
	(See Note B)					

CONTRACT TYPE(S):

TBD

DURATION:

Five years with five one year options

CONTRACTING OFFICE:

Steve Stapleton
VA Central Office
Procurement and Supply
Operations (93A)
810 Vermont Avenue, NW
Washington, DC 20420
(202) 389-3125

PROGRAM OFFICE:

Larry Holmes
VA
Mail Stop 330
810 Vermont Avenue, NW
Washington, DC 20420
(202) 389-5056

DESCRIPTION:

Funding for this program provides for a private packet-switched network to meet all of the VA's data communications needs.

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*Original date 2/3/86

BACKGROUND/FUNCTION:

The VA assumed operational control of the GSA Advanced Record System (ARS) in January 1984 and renamed it the VA Data Transmission System (VADATS). VADATS packet-switched network service currently is supplied by Tymnet. The IDCU will represent a substantial expansion over VADATS and will support all VA accepted standards (X.25, ASYNC, 3270, BISYNC, 3780, and SDLC) at 250-300 facility nodes nationwide.

ANALYSIS:

(Note A) Specific funding for this program was omitted from the FY87 OMB Five Year Plan. Funding shown above was extracted from the FY87 VA A-11 submission for the Office of Data Management and Telecommunications. The A-11 line item is titled "VADATS" and represents obligations to continue the existing VADATS service, parallel operation of VADATS and the IDCU in FY87 and FY88, and out year IDCU operation. Most of these obligations are reimbursed by other VA organizations and approximately 20 non-VA users.

(Note B) The VA originally expected a DPA from GSA in February 1986, followed closely by release of an RFI. The DPA was granted in August 1986, and the RFI released for internal VA review only. The Contracting Office refused to confirm the existence of the RFI or any other details regarding the procurement schedule.

The current VADATS contract with Tymnet has been extended through the end of FY88. Based on the length of this extension and the VA requirement for parallel operation of VADATS and the IDCU, IDCU contract award has been estimated to occur no later than the end of FY87.

ACQUISITION PLAN:

The VA expects to lease the entire network and expects the contractor to provide and operate a network control center.

AWARDS TO DATE:

None.

AGENCY:	CODE:	DATE:
Environmental Protection Agency	C5817007	9/24/86*

PROGRAM:

Facility Management of the National Computing Center (NCC)

SERVICES:

Professional services: facility management.

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	(See Note A)					

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
	--	8/86	9/86	10/86	--	10/87

CONTRACT TYPE(S):

Cost plus award fee

DURATION:

1 year base with
four 1 year options

CONTRACTING OFFICE:

Tim Farris
Contracting Officer
USEPA, PM-214-F
401 M Street, SW
Washington, D.C. 20460
(202) 382-3214

PROGRAM OFFICE:

Theodore R. Harris
MD - 18
EPA
Research Triangle Park, NC 27711
(919) 541-2538

DESCRIPTION:

Acquisition of professional services for facility management at the EPA National Computer Center (NCC). This contract is generally awarded after recompetition each 4-5 years.

BACKGROUND/FUNCTION:

The contractor is responsible for the day to day management, operation and maintenance of EPA computer services.

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*Original date 4/2/84; previous revision 2/23/85

The National Computing Center (NCC) in Research Triangle Park (NC) utilizes a Sperry 1100/82, an IBM 370/168, 4341, 3090/200, a DEC VAX 11/780, 11/785, and PDP 11. These computers are linked by a common telecommunications network that provides nationwide access to both remote job entry and keyboard terminals.

ANALYSIS:

(Note A) The funding for this program will come from funding for overall "Systems Operation and Support", as listed in the OMB A-11 for FY 1987. The Contracting Office would not disclose the exact amount set aside for the program.

ACQUISITION PLAN:

The current contract with System Development Corporation will expire in October of 1987. The EPA is in the early stages of setting up a recompetition for this program.

AWARDS TO DATE:

The incumbent contractor is System Development Corporation for facilities management of the National Computing Center (NCC), contract number: 68-01-6658.