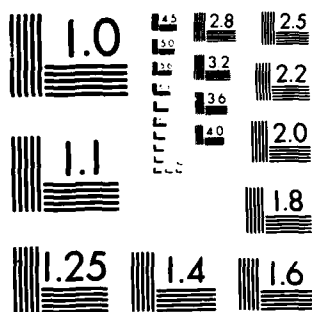


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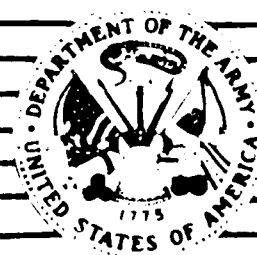
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VOLUME I

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DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF OF STAFF
WASHINGTON, D.C. 20310

15 November 1983

DACS-DMO

SUBJECT: The Army Study Program (Fiscal Year 84 Report) and
Management Support Services (Fiscal Year 84 Report)

SEE DISTRIBUTION

1. This package contains two separate documents, each is in two volumes.
2. The Fiscal Year 84 Report of The Army Study Program (TASP) contains in its two volumes the following information:
 - a. Volume I of TASP contains a description of this year's study Program in terms of Total Army Goals. An overview of the total program is presented illustrating the manner in which all of the goals are addressed.
 - b. Volume II contains listings of individual studies, paragraphs describing the studies, and statistical data pertaining to those studies.
3. This year SPMO is also providing Fiscal Year 84 Management Support Services (MSS) Volumes I and II. The documents provide the following:
 - a. Volume I contains a description of the relationship of the MSS program to the goals of the US Army and to the subcategories of contracted services as defined in AR 5-14.
 - b. Volume II contains listings of individual contracted services, paragraphs describing these services, and statistical data including title, sponsor, status, goal, subcategory, and project identification code.
4. The course taken this year in presenting the TASP and the MSS Reports is a significant contribution toward implementation of Performance of Management Army. We must all continue to do our part by insuring that each study and management support service we do is based on a legitimate need and supports one or more of the Total Army Goals.

JOANN H. LANGSTON
Director, Study Program
Management Office
Management Directorate

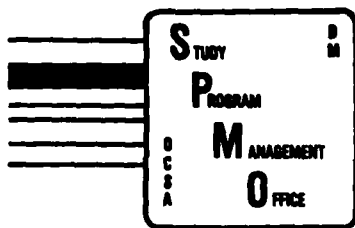
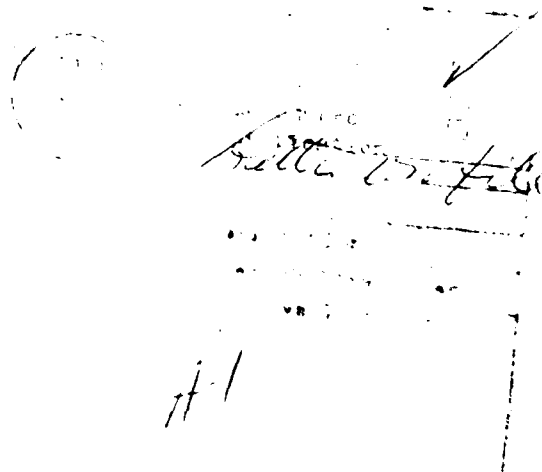


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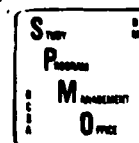
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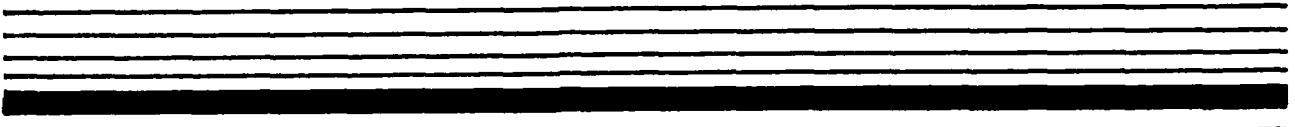


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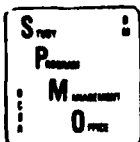
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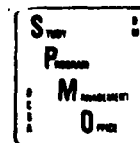


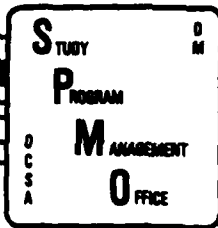


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EXECUTIVE SUMMARY

This document contains the Management Support Services (MSS) Program for Fiscal Year 84. The document describes the relationship of the MSS program to the goals of the US Army and to the subcategories of contracted services as defined in AR 5-14.

The FY 84 MSS program data were collected from agencies and commands. A summary of the data and a description of the MSS program as it pertains to the Total Army Goals and subcategories of services are presented in Volume I. Basic data for individual contracted services are contained in Volume II.

The MSS program data are presented in several dimensions of interest to Army commanders, managers and sponsors of contracted services. These include Total Army Goals, subcategories, status, sponsors, uses, resource levels, budget appropriations, paybacks, and combat applications. Highlight results of the data assessment are provided below.

- o The FY 84 MSS program addresses all Army goals, except Leadership, with more than half the program addressing Readiness and Future Development.

- o All subcategories of contracted services are addressed by the program. The largest is Program Management Support.

- o Sixty percent of the program are contracts continuing from previous years, and 40 percent are new starts for FY 84.

- o Nine Army commands and agencies sponsor MSS contracts. DARCOM is the largest, with 77 percent of the contracts and 82 percent of the resources.

- o MSS contracts are conducted for a variety of end uses. Largest reported end use is Improved Operations, Organizations and Procedures.

- o Costs vary widely. Overall average is \$792K per contract.

- o Funds are from all budget appropriations, but principally from OMA and RDTE.

- o A majority of MSS contracts are expected to pay back benefits to the Army in the Short Term (0-2 years).

The data in this document present the variety of ways in which the FY 84 program of Management Support Services will be providing continuing assistance to Army commanders and managers for effective management of the planning, operational, research and development missions of the Army.

SECTION I

INTRODUCTION

PURPOSE

This document, which consists of two volumes, contains the Management Support Services (MSS) Program for Fiscal Year 84. The purpose of the document is to describe the relationship of the Management Support Services Program to the goals of the United States Army and the subcategories of service, as defined in Appendix B, AR 5-14. The results of this assessment may be utilized to assist Army leaders and decision makers in long-range planning and managing their programs more effectively.

BACKGROUND

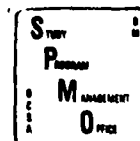
Category C - Contracts for Management Support Services: As defined in Appendix B, AR 5-14, Category C includes contracted services of a "white collar" nature, e.g., preparation of reports or documents, developing software or logistics support plans, or other similar tasks related to management and control of programs. Specifically excluded are those services acquired under commercial or industrial procedures, (OMB Cir A-76), e.g., guard or mess attendant services, contracts for medical services, or services directly related to manufacture, repair, or maintenance of hardware. Also excluded are funds included in the Special Analysis for Computer Systems Programs and Exhibit PB-27 for Real Property Maintenance Activities.

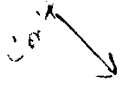
METHOD OF ANALYSIS

Data, reported in the document, were collected from major Army agencies and commands. A summary of the data and a description of the MSS Program as it pertains to the Total Army Goals and subcategories are presented in Volume I. This macro-approach is used to assess the direction taken by the Army community in responding to HQDA policy on Performance Management Army (PMA). Basic data for individual contracted services are contained in Volume II. This provides a source of reference for readers who seek detailed information.

ORGANIZATION OF DOCUMENT

Volume I is divided in four sections, with this introductory section being the first. The next section contains an overall description of the FY 84 MSS

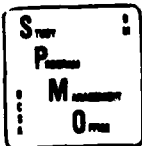




Program. Data are presented and interpreted under nine discrete headings: Total Army Goals, subcategories, status, sponsors, use, resource levels for FY 84 program, appropriations, payback, and combat applications. Frequency tables and corresponding graphs are used to present the data. Data for total resources are also provided in the tables and compared with the summary statistics.

→ An analysis of the FY 84 MSS Program as it pertains to the Army goals is presented in section three, followed by an analysis of the subcategories in section four. Cross-tabulation tables are used to present the data. A glossary and a listing of all FY 84 Management Support Services by title are contained in appendices.

↖ Volume II consists of seven sections. A listing of contracted services is presented in each section under the heading of title, descriptions, sponsor, status, goal, subcategory, or project identification number. Data pertaining to each contract are included in the listings. A glossary and a list of oversight managers and distribution are provided in appendices. A list of symbols is located in the inside of the back cover of both volumes.



SECTION 2

OVERALL DESCRIPTION OF FY 84 MANAGEMENT SUPPORT SERVICES

This section presents an overall description of Management Support Services for Fiscal Year 84. Data are presented in frequency tables and corresponding graphs, followed by an interpretation of salient results. The summary statistics are also compared with obligated resources for Fiscal Year 84. With the twenty percent anticipated reduction in funds for contracted services in FY 84, this comparison is useful to decision makers in assessing and adjusting, if necessary, their resource requirements for contracted services over the next fiscal year.

The Management Support Service Program is described under nine separate headings, beginning with Total Army Goals. This is followed by subcategories, status, sponsors, uses, resource levels for FY 84 program, appropriations, paybacks, and combat applications.

TOTAL ARMY GOALS

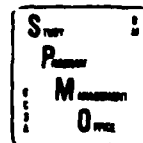
On 7 December 1981, in a letter promulgated jointly by the Secretary of the Army and the Chief of Staff, United States Army, TOTAL ARMY GOALS were defined and explained. Achievement of these seven goals was determined to be the basis for assuring the continued successful accomplishment of the Army's traditional mission: to act as a deterrent to any attack upon US national interests and, if deterrence fails, to engage and defeat any enemy in any environment.

This letter was supplemented by approval of The Army Plan as a vehicle to infuse Performance Management Army (PMA) into Army planning guidance. PMA is a top down, participatory approach based on The Total Army Goals and results-oriented objectives linked to subordinate activities.

These seven goals will form the basis for development of HQDA, MACOM, and subordinate activity objectives. The Total Army Goals are, as follows:

Readiness:

A Total Army prepared for the "three days of war": to deter the day before war; to fight and win on the day of war; and to terminate conflict in such a manner that on the day after war, the United States and its allies have an acceptable level of security.



Readiness reflects the capability of the Total Army, as perceived by its members, allies, and potential foes, to respond successfully to the full spectrum of warfare, i.e., from terrorism to nuclear conflict. Training, maintenance, leadership, resource management, and close coordination with the other services and allies are the essential elements of readiness.

Human:

A Total Army composed of military and civilian professionals who loyally serve their nation in rewarding careers.

Attracting and retaining high quality Total Army members are essential to insure that service in the Army remains a way of life. This commitment to a profession is accomplished by striving to provide all members meaningful and satisfying duty, adequate living and working facilities, equitable compensation, professional development, advancement opportunity, and wholesome family life.

Leadership:

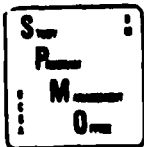
A Total Army whose leaders, at all levels, possess the highest ethical and professional standards committed to mission accomplishment and the well-being of subordinates.

Competent, effective leadership is the Total Army's key to success in training and success in the ultimate test: combat.

Materiel:

A Total Army equipped and sustained to win any land battle.

The Total Army requires a technically superior, reliable, and powerful arsenal of effective weapons and equipment which can be rapidly transported, simply operated and easily maintained. Weapons and equipment must be developed through a cost-disciplined acquisition process that places a total system in the hands of trained personnel in the shortest possible time. Resupply procedures must be complete and sufficient for sustaining extended combat. Logistical support procedures must exist between the United States and its allies.



Future Development:

A Total Army sensitive to innovative approaches to accomplish its mission.

Responding to the full spectrum of warfare demands innovative approaches to doctrine, force structure, manning, training, and mobilizing along with a commitment toward adopting those technological advances which promise full return on investment.

Strategic Deployment:

A Total Army organized, manned, and equipped so as to be capable of deploying, with transportation assistance, to any part of the globe to counter a wide spectrum of threats.

The global interests of the United States require a capability for global response. This entails support for the other services in achieving the necessary transportation assets and developing innovative approaches to overcoming transportation shortages.

Management:

A Total Army which efficiently and effectively uses the resources made available.

Management is the science of achieving maximum productivity from resources-- manpower, money, materiel, and time through appropriate management systems and techniques.

Summary and Analysis

o The seven goals, and the Total Army mission they support, mutually provide the vision and direction for the Army of the future. These goals are being used not only to guide the efforts of leaders and managers but also to evaluate the Army's progress in achieving proximate as well as remote outputs. By relating Army goals to the FY 84 Management Support Services, the goals become useful in yet another way: to provide a focus for planning.

o This portion of the section measures the extent to which the FY 84 Management Support Services address the Army goals. The summary data are presented in Figures 1.1 and Table 1.1, followed by an interpretation of the results.

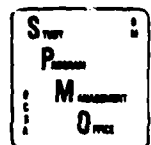


Figure 2.1. Contracted services and resources by Army goal

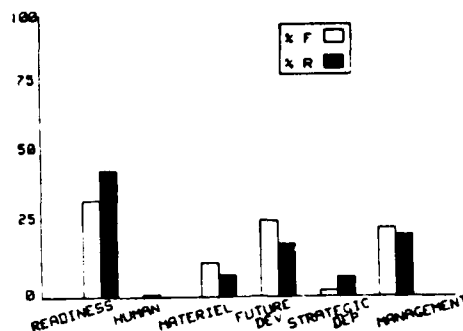
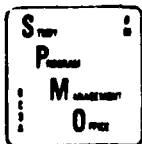


Table 2.1. Contracted services and resources (r) by Army goal

ARMY GOALS	f	%f	%r
Readiness	106	34	44
Human	3	1	-
Materiel	36	12	8
Future Dev.	82	27	19
Strategic Dep.	6	2	7
Management	73	24	22
Total	306	100	100

• Over one-third of the planned and on-going management support services contribute to the Readiness Goal (34 percent). A high percentage of contracted services, approximately one out of four, also addresses the Future Development or Management Goal (27 percent and 24 percent, respectively). Of the remaining services, only 12 percent fall under Materiel Goal, 2 percent under Strategic Deployment, and 1 percent under Human. No planned or on-going effort reported for FY 84 lends support to the accomplishment of the Leadership Goal.

• In comparison, nearly half of the of FY 84 planned resources for management support services will be used in support of the Readiness Goal (44 percent). Contracted services in support of the Future Development and Management goals account for nearly 40 percent of the remaining resources.



SUBCATEGORIES

There are nine distinct subcategories of service. They are described in AR 5-14, as follows:

Program or project management support:

Contractual services, covering a wide variety of technical and managerial services, and containing more than one of the categories listed below, that directly support one or more specific program offices.

Policy review and development:

Repetitive services to investigate, evaluate, or assess existing managerial policies and organizations or to develop independently alternative procedures, organizations and policies.

Specification development:

Services to provide hardware or software specifications. Efforts supporting configuration management are included.

Systems engineering:

Services to investigate, evaluate, or assess technical, scientific, or engineering problems, concepts and performance of existing or proposed hardware.

Technology sharing and utilization:

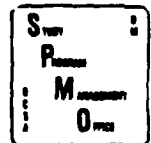
Services to examine alternative applications and adaptations of existing or developmental technologies.

Logistic support services:

Services in connection with the support of the ILSP.

Technical data collection:

Services whose primary purpose is the collection or organization of data.



Public affairs and advertising:

Services which conduct advertising or public affairs.

Other professional and management services by contract:

Support services which have broad applicability and are not identifiable to any specific program.

Summary and Analysis

• This portion of the section indicates the percentage and number of contracted services for FY 84 that are performing tasks for the Army which relate to the above subcategories of Category C. It also shows the percentage of resources which will be consumed by these various contracted services in each area. The summary data are presented in Figure 2.2 and Table 2.2, followed by an interpretation of the results.

Figure 2.2. Contracted services and resources by subcategory

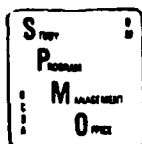
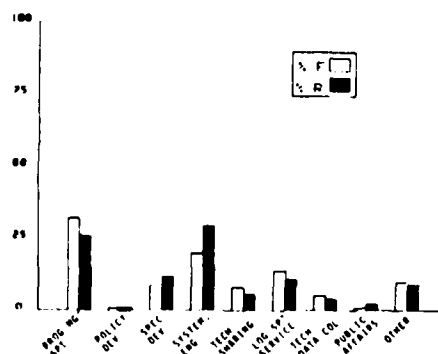
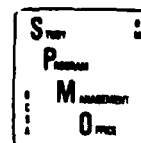


Table 2.2. Contracted services and resources by subcategory

Subcategory	f	%f	%r
Program Mgt. Support	98	32	26
Policy Rev. & Dev.	2	1	1
Specification Dev.	29	9	12
Systems Eng.	61	20	29
Tech Sharing & Util.	25	8	6
Logistic Spt. Service	42	14	11
Tech Data Collection	16	5	4
Public Affairs	3	1	2
Other Prof.& Mgt Serv.	30	10	9
Total	306	100	100

o Nearly one-third (32 percent) of the contracted services for FY 84 support Program or Project Management, with an additional 20 percent contributing to Systems Engineering. These services also account for over half of the total resources. Fourteen percent of the contracted services support Logistics and 10 percent other Management Services which have broad applicability and are not identifiable to any specific program. As the data reveal, only 6 percent of the contracted services support Policy Development and Technical Data Collection. However, it should be noted that there is a large percentage of contracted services supporting Technical Data Collection which fall under other subcategories (see "Descriptions," Section 2, Vol. II).



STATUS

- Status is used to indicate new contracted services, i.e., planned, as well as continuing efforts, i.e., on-going, in the FY 84 Management Support Services Program.

- The extent to which contracted services are planned or on-going for FY 84 are indicated in this portion of the section. The summary data are presented in Figure 2.3 and Table 2.3 followed by an interpretation of the results.

Figure 2.3. Contracted services and resources by status

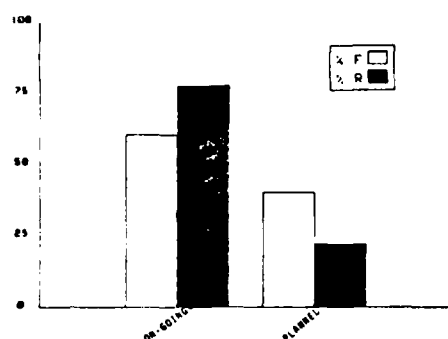


Table 2.3. Contracted services and resources by status

Status	f	%f	%r
Planned	122	40	22
On-going	184	60	78
Total	306	100	100

- Sixty percent of the contracted services are on-going and 40 percent are planned for Fiscal Year 84. The larger percentage of resources are also consumed by on-going efforts as compared to planned (78 percent and 22 percent, respectively). The large percentage of on-going efforts may be explained by the fact that many contracted services are multi-year efforts.



SPONSORS

• Twelve Army organizations are sponsoring management support services in the FY 84 program. They are, as follows: DARCOM, TRADOC, USACC, COA, CAR, USEUCOM, DCSLOG, HSC, OCSA, BMDSCOM, USAREC, and ARI.

• This portion of the section shows the extent to which FY 84 management support services are being sponsored by Army organizations. The summary data are presented in Figure 2.4 and Table 2.4, followed by an interpretation of the results. Due to the small percentage of contracted efforts sponsored by CAR, USEUCOM, DCSLOG, HSC, OCSA, BMDSCOM, and ARI, "other" is used in the figure and table to refer to those particular Army organizations.

Figure 2.4. Contracted services and resources by sponsor

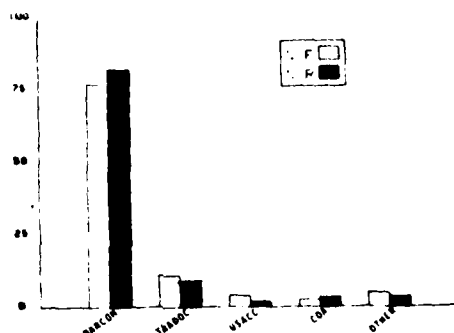


Table 2.4. Contracted services and resources by sponsor

Sponsor	f	%f	%r
DARCOM	236	77	82
TRADOC	35	11	9
USACC	11	4	2
COA	8	3	3
Other	16	5	4
Total	306	100	100

• At least three out of four contracted services (77 percent) are sponsored by DARCOM, which include AVSCOM, ERADCOM, CECOM, TACOM, and MICOM. Of the total contracted services, TRADOC sponsors only 11 percent, with the remainder of 9 percent being sponsored by USACC, COA, CAR, USEUCOM, DCSLOG, HSC, OCSA, BMDSCOM, and ARI. It is reasonable to conclude that the large percentage of contracted services sponsored by DARCOM is directly related to their principal functions of materiel development and readiness. The distribution of resources among the Army organizations is relatively comparable to the percentage of planned and on-going contracted services for FY 84.



USE

• Use stipulates the anticipated end use of a contracted service. Army agencies were asked to indicate an anticipated end use for each contracted service reported. Sponsors were given six areas from which to make their selection. These are, as follows: (a) to provide new or improved analytical tools, techniques, games, models, or simulations; (b) to provide a rationale or explained options for enlightened decision alternatives; (c) to increase or improve operations, organizations, or procedures; (d) to advance knowledge or state-of-the-art; (e) to validate current plans, operations, or procedures; and, (f) to provide no known results.

• This portion of the section indicates the extent to which contracted services are used. The summary data are presented in Figure 2.5 and Table 2.5 followed by an interpretation of the results.

Figure 2.5. Contracted services and resources by use

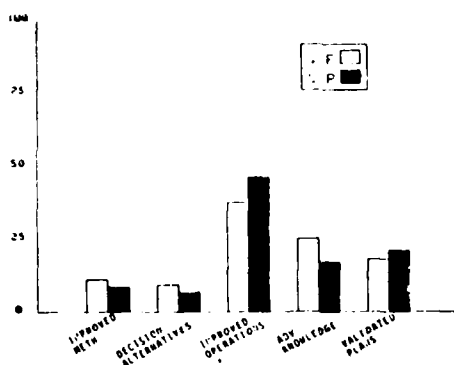
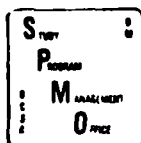


Table 2.5. Contracted services and resources by use

Use	f	%f	%r
Improved meth.	34	11	9
Dec. alternatives	27	9	7
Imprvd. operations	114	37	46
Adv. knowledge	76	25	17
Validated plans	55	18	21
Total	306	100	100

• Over one-third of the contracted services have an anticipated end use of improving operations, organizations, or procedures, one-fourth of advancing knowledge or state-of-the-art, and approximately one-fifth of validating current plans, operations, or procedures (37 percent, 25 percent, and 18 percent, respectively). To meet the anticipated results, nearly half of the resources will be used for improving operations. Of the remainder, the distribution of resources is comparable to the distribution of contracted services for each anticipated result. The data reflect the Army's continuing need for external support for development of improved operations and acquisition of knowledge.



RESOURCE LEVELS FOR FY 84 PROGRAM

• The resource level for the FY 84 program refers to the obligated funds for FY 83 and planned obligated funds for FY 84. By including FY 83 obligated funds in the analysis, we are able to assess levels of resource for all planned and on-going management support services in the FY 84 program. This includes those contracted services in which sponsors have only FY 83 obligated funds to report for the new fiscal year.

• This portion of the section shows the extent to which contracted services have high, medium, or low resource requirements for FY 84. Low indicates \$200,000 and below, medium \$200,001 - \$500,000, and high above \$500,000. The summary data are presented in Figure 2.6 and Table 2.6, followed by an interpretation of the results. It is important to note that the contractual resource level bears no relationship to the level of importance or priority given to a particular project.

Figure 2.6. Contracted services and resources by resource level

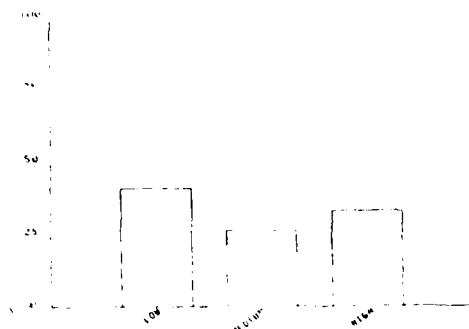
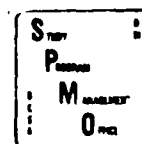


Table 2.6. Contracted services and resources by resource level

Resource Level	f	%f
Low	126	41
Medium	78	26
High	102	33
Total	306	100

• Nearly one-half of the contracted services have low resource requirements for FY 84. Of the remainder, 26 percent have medium resource requirements and 33 percent have high. It is important to note that these percentages do not reflect the resource level of a project having multiple contracted services.



APPROPRIATIONS

- Appropriation refers to the source of funding for contracted services.

• This portion of the section shows the extent to which contracted services are funded by OMA, RDT&E, and other sources of funding. The summary data are presented in Figure 2.7 and Table 2.7, followed by an interpretation of the results.

Figure 2.7. Contracted services and resources by appropriation



Table 2.7. Contracted services and resources by appropriation

Appropriation	f	%f	%r
OMA	161	53	52
RDT&E	132	43	42
Other	13	4	6
Total	306	100	100

• Practically all of the planned and on-going contracted services for FY 84 are funded by OMA and RDTE (53 percent and 43 percent, respectively). The large percentage of contracted services using OMA funds reflect the Army's continuing need for management and logistics service support, while an almost equally large proportion of contracted services being funded by RDT&E reflect the need for support of the Army's research and materiel development activities.



PAYBACK

• Payback indicates the time period in which the contracted services are expected to benefit the Army. It is of considerable value in determining the extent to which contracted services have an immediate impact and those which lend future support to Army efforts.

• This portion of the section indicates the extent to which management support services for FY 84 have immediate, mid, or long-range payback. The summary data are presented in Figure 2.8 and Table 2.8 followed by an interpretation of the results.

Figure 1.8. Contracted services and resources by payback

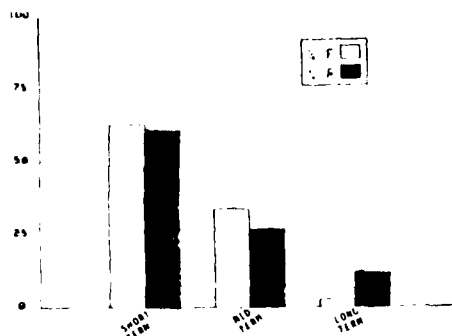


Table 1.8. Contract services and resources by payback

Payback	f	%f	%r
Short Term	193	63	61
Mid Term	103	34	27
Long Term	10	3	12
Total	306	100	100

• The highest percentage of contracted services have short-term payback (63 percent). Approximately a third have mid-term payback and only 3 percent have a long-range contribution. Similarly, the largest amount of resources are obligated for short-term payback efforts (61 percent).

COMBAT APPLICATIONS

- Combat application classification allows for the linkage of contracted services with the major functions of the Army in the field.

- The extent to which contracted services have combat, combat support (CS), combat support service (CSS), and other applications are shown in this portion of the section. The summary data are presented in Figure 2.9 and Table 2.9, followed by an interpretation of the results.

Figure 2.9. Contracted services and resources by combat application

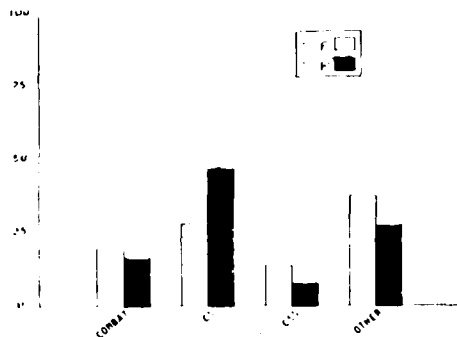
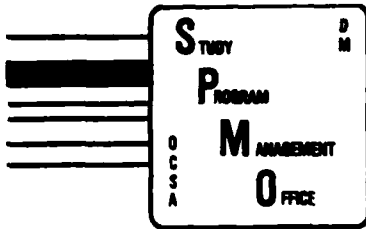


Table 2.9. Contracted services and resources by combat application

Combat Application	f	%f	%r
Combat	63	20	17
CS	85	28	47
CSS	42	14	8
Other	116	38	28
Total	306	100	100

- Most of the contracted services have other applications than combat, CS, or CSS (38 percent). Otherwise, the distribution is fairly even, with combat receiving 20 percent, CS 28 percent, and CSS, the least, with 14 percent of the total. However, nearly half of the resources are obligated to contracted services which have combat support application.



SECTION 3

ANALYSIS OF FY 84 MANAGEMENT SUPPORT SERVICES BY ARMY GOALS

This section provides an analysis of management support service efforts within the framework of the Total Army Goals. This analysis illustrates the detailed manner in which Army management support services are related to each of the Army Goals. The data are presented in cross-tabulation tables of numbers of contracted services and resources (dollars).

For this analysis, several dimensions were selected which are of special interest to Army commanders/managers and sponsors of management support services. These include status, subcategory of service, sponsor, use, resource level, appropriation, payback, and combat application.

STATUS

- The FY 84 MSS Program addresses all Army goals except leadership, with on-going contracted services exceeding planned by 20 percent.

- There are no new planned contracted services for human and strategic deployment goals. Planned efforts for Management Goal exceed on-going, indicating significant increase in requirements for contracted services in management activities.

Table 3.1. Contracted services by status and Army goal

	STATUS		
	ONGOING	PLANNED	ALL
ARMYGOAL			
1 READINESS	67	39	106
2 HUMAN	3	**	3
4 MATERIEL	19	17	36
5 FUTURE DEVELOPMENT	53	29	82
6 STRATEGIC DEPLOYMENT	6	**	6
7 MANAGEMENT	36	37	73
ALL	184	122	306

- About 80 percent of FY 84 MSS programed resources are for on-going efforts and 20 percent for planned.

- Although planned contract services for the management goal are higher than on-going, resources decline about 8 percent.

- Planned efforts and associated resources are sometimes defined after beginning of the fiscal year, resulting in increases in numbers and resources for new planned contract services during the fiscal year.

Table 3.2. Resources by status and Army goal

	STATUS		
	ONGOING	PLANNED	ALL
	TOTDOL	TOTDOL	TOTDOL
	SUP	SUN	SUN
ARMYGOAL			
1 READINESS	95064	12586	107650
2 HUMAN	1093	**	1093
4 MATERIEL	21895	5341	27236
5 FUTURE DEVELOPMENT	33671	11873	45544
6 STRATEGIC DEPLOYMENT	13296	**	13296
7 MANAGEMENT	24704	22736	47440
ALL	189723	52536	242259

*Resources in thousands of dollars.



SUBCATEGORIES

• The FY 84 Program MSS efforts addressing Army Goals are distributed across nine subcategories of services, as shown in Table 3.3.

• The highest concentration of efforts is in the readiness goal, where 27 percent is for program management support, 26 percent for technology sharing and utilization, and 28 percent for technical data collection.

Table 3.3. Contracted services by subcategory and Army goal

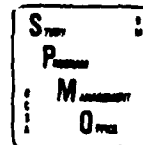
	SUBCAT									ALL
	PROGRAM MANAGEMENT SUPPORT	POLICY REVIEW & DEVELOPMENT	SPECIFI- CATIONS DEVELOPMENT	SYSTEMS ENGINEER- ING	TECHNICAL SHARING & UTILIZATION	LOGISTICS SERVICE SUPPORT	TECHNICAL DATA COLLECTION	PUBLIC AFFAIRS & ADVERTISING	OTHER MANAGEMENT SERVICES	
ARMYGOAL										
1 READINESS	29		2	28		30	10		7	106
2 HUMAN	1							1	1	3
3 MATERIEL	13	1	12	3	2	1	2		2	36
4 FUTURE DEVELOPMENT	17	1	9	16	22	5	2	1	9	82
5 STRATEGIC DEPLOYMENT	1		3	2						6
7 MANAGEMENT	37		3	12	1	6	2	1	11	73
ALL	98	2	29	61	25	42	16	3	30	306

• Resources are least for the human goal and highest for readiness.

• Within readiness, over 50 percent of resources are for systems engineering and about 23 percent for logistics services.

Table 3.4. Resources by subcategory and Army goal

	SUBCAT									TOTAL
	PROGRAM MANAGEMENT SUPPORT	POLICY REVIEW & DEVELOPMENT	SPECIFI- CATIONS DEVELOPMENT	SYSTEMS ENGINEER- ING	TECHNICAL SHARING & UTILIZATION	LOGISTICS SERVICE SUPPORT	TECHNICAL DATA COLLECTION	PUBLIC AFFAIRS & ADVERTISING	OTHER MANAGEMENT SERVICES	
ARMYGOAL										
1 READINESS	12601		2847	56294		24621	6445		4842	107650
2 HUMAN	970							100	23	1093
3 MATERIEL	9963	291	10777	1734	2400	133	308		1630	27236
4 FUTURE DEVELOPMENT	14713	24	5050	6731	10728	424	713	150	7011	45544
5 STRATEGIC DEPLOYMENT	2697		9669	930						13296
7 MANAGEMENT	23901		1970	6180	400	1493	1422	3524	8550	67440
ALL	64845	315	30313	71869	13528	26671	8888	3774	22056	242254



SPONSORS

• Altogether four Army organizations, DARCOM, TRADOC, USACC, and COA, sponsor 95 percent of FY 84 MSS efforts.

• DARCOM concentrates heavily on the readiness and future development goals (37 percent and 29 percent, respectively).

• TRADOC also orients on readiness and future development (46 percent and 31 percent, respectively.)

• COA addresses only the management goal (100 percent), while USACC addresses management (82 percent) and future development (18 percent).

Table 3.5. Contracted services by sponsor and Army goal

	SPONSOR					ALL
	COA, HQDA	TRADOC	DARCOM	USACC	OTHERS*	
GOAL	N	N	N	N	N	N
GOAL						
1 READINESS		16	87		3	106
2 HUMAN		1			2	3
3 MATERIEL		4	32			36
4 FUTURE DEVELOPMENT		11	68	2	1	82
5 STRATEGIC DEPLOYMENT			5		1	6
6 MANAGEMENT	8	3	44	9	9	73
TOTAL	8	35	236	11	16	306

*Includes HQDA (OCSA, BMDPO, DCSLOC, TJAG, CAR), HSC, USAREC, LEA and ARI.

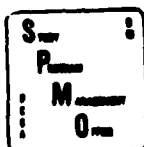
• DARCOM will spend about 82 percent of total FY 84 program resources, with more than half going for the readiness goal.

• Over half of TRADOC's resources are for the future development goal and about 26 percent for readiness.

Table 3.6. Resources by sponsor and Army goal

	SPONSOR					ALL
	COA, HQDA	TRADOC	DARCOM	USACC	OTHERS*	
GOAL						
GOAL						
1 READINESS		5622	100698		1330	107650
2 HUMAN		23			1070	1093
3 MATERIEL		1930	25306			27236
4 FUTURE DEVELOPMENT		11563	33233	548	200	45544
5 STRATEGIC DEPLOYMENT			12416		380	13296
6 MANAGEMENT	6625	2222	26280	3312	8461	47440
TOTAL	6625	21360	198973	3860	11441	242259

*Includes HQDA (OCSA, BMDPO, DCSLOC, TJAG, CAR), HSC, USAREC, LEA and ARI.



USES

- Over 37 percent of the contracted services will be for Improved Operations, Organization and Procedures, with 44 percent of these addressing the Readiness Goal.

- Twenty-five percent of total efforts are for Advanced Knowledge or State-of-the-Art, with the largest number (67 percent) for the Future Development Goal.

Table 3.7. Contracted services by use and Army goal

	USE						ALL
	A	B	C	D	E		
	N	N	N	N	N	N	N
ARMYGOAL							
1 READINESS	5	3	50	9	39		106
2 HUMAN		1	2				3
3 MATERIEL	8	4	12	6	6		36
4 FUTURE DEVELOPMENT	4	12	14	51	1		82
5 STRATEGIC DEPLOYMENT	1	1	4				6
6 MANAGEMENT	16	6	32	10	9		73
ALL	34	27	114	76	55		306

USE KEY: A. New/improved analytical methods. B. Enlightened decision alternatives. C. Improved operations. D. Advanced knowledge or state-of-the-art. E. Validated current plans, operations, or procedures.

- Nearly half (46 percent) of FY 84 Program resources will go for Improved Operations, Organization and Procedures, with about 60 percent addressing the Readiness Goal.

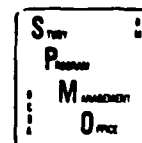
- Over 20 percent will go for Validation of Current Plans, Operations, or Procedures, with 56 percent of these addressing Readiness.

- Least resources will go for Enlightened Decision Alternatives.

Table 3.8. Resources by use and Army goal

	USE					ALL
	A	B	C	D	E	
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
	SUM	SUM	SUM	SUM	SUM	SUM
ARMYGOAL						
1 READINESS	1879	2310	64937	9416	29108	107650
2 HUMAN		100	993			1093
3 MATERIEL	3169	1582	9144	2317	11024	27236
4 FUTURE DEVELOPMENT	8028	7420	7315	21411	1370	45544
5 STRATEGIC DEPLOYMENT	380	550	12366			13296
6 MANAGEMENT	8990	3925	17044	6934	10547	47440
ALL	22446	15887	111799	40078	52049	242259

USE KEY: A. New/improved analytical methods. B. Enlightened decision alternatives. C. Improved operations. D. Advanced knowledge or state-of-the-art. E. Validated current plans, operations, or procedures.



RESOURCE LEVELS

- Approximately 40 percent of FY 84 MSS contracted services are small efforts (less than \$200K), with 34 percent of these addressing Readiness and 34 percent addressing Future Development.

- 33 percent are large efforts (over \$500K), with 40 percent of these addressing Readiness, 24 percent for Management, and 20 percent for Future Development.

- Medium-size efforts concentrate on Management (36 percent) and Readiness (30 percent).

Table 3.9. Contracted services by resource level and Army goal

	Resource			
	LARGE	MD	SMALL	ALL
	OVER \$500K	\$200-500K	\$0-200K	N
ARMYGOAL				
1 READINESS	41	23	42	106
2 HUMAN	1		2	3
3 MATERIEL	12	6	18	36
4 FUTURE DEVELOPMENT	21	19	42	82
5 STRATEGIC DEPLOYMENT	3	2	1	6
7 MANAGEMENT	24	28	21	74
ALL	102	78	126	306

- MSS efforts of all sizes address the goals (except Leadership).

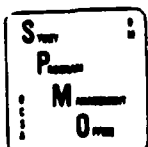
- 80 percent of the resources are for large efforts (over \$500K) which represent only 33 percent of the program. Nearly half of these large effort resources address Readiness.

- Only 5 percent of resources are for the small efforts (less than \$200K) which represent 41 percent of the FY 84 program. Approximately 32 percent of small effort resources are for Readiness, and 32 percent for Future Development.

- Average amount of FY 84 program resources for each effort is approximately \$792K.

Table 3.10. Resources by resource level and Army goal

	Resource			
	LARGE	MD	SMALL	ALL
	OVER \$500K	\$200-500K	\$0-200K	TOTAL
	SUM	SLR	SUM	SLR
ARMYGOAL				
1 READINESS	95776	8073	3801	107650
2 HUMAN	970		123	1093
3 MATERIEL	23096	2069	2071	27236
4 FUTURE DEVELOPMENT	34706	7077	3761	45544
5 STRATEGIC DEPLOYMENT	12509	677	110	13296
7 MANAGEMENT	34898	10412	2130	47440
ALL	201955	28308	11996	242259



APPROPRIATIONS

- Contracted services in the FY 84 program are funded from all budget appropriations.
- 53 percent are funded from OMA, where the largest numbers (52 percent) address Readiness and 24 percent address Management.
- 43 percent are funded from RDTE, with 48 percent going for Future Development and 20 percent for Management.

Table 3.11. Contracted services by appropriation and Army goal

	APPROPRIATION			
	OMA	RDTE	OTHER #	ALL
	A	A	B	A
ARMY GOAL				
-1 READINESS	84	22		106
-2 HUMAN	2		1	3
-4 MATERIEL	16	16	4	36
-5 FUTURE DEVELOPMENT	18	64		82
-6 STRATEGIC DEPLOYMENT	3	3		6
-7 MANAGEMENT	38	27	8	73
-ALL	161	132	13	306

*Includes OMAR, AIRCRAFT, MIPA, WTCV and OPA.

- Resources are concentrated in OMA (52 percent) and RDTE (42 percent).
- Over half of OMA resources will fund Readiness efforts and 17 percent will fund Management efforts.
- 40 percent of RDTE resources will go for Readiness and 33 percent for Future Development.
- Least funding is from Wheeled and Tracked Combat Vehicle (WTCV) appropriation, for one contract (\$48K).

Table 3.12. Resources by appropriation and Army goal

	APPROPRIATION			
	OMA	RDTE	OTHER #	ALL
	TOTCOL	TOTCOL	TOTCOL	TOTCOL
	SUM	SUM	SUM	SUM
ARMY GOAL				
-1 READINESS	68410	39240		107650
-2 HUMAN	993		100	1093
-4 MATERIEL	13498	7949	5789	27236
-5 FUTURE DEVELOPMENT	13017	32527		45544
-6 STRATEGIC DEPLOYMENT	10192	3104		13296
-7 MANAGEMENT	20253	18213	8974	47440
-ALL	126363	101033	14863	242259

*Includes OMAR, AIRCRAFT, MIPA, WTCV and OPA.



PAYBACKS

- More than 60 percent of MSS efforts will provide benefits to the Army in the short-range time frames (0-2 years). Concentrated in Readiness Goal (26 percent, and Management Goal (18 percent).

- Only 10 percent of efforts provide long-term payoff (10-20 years), with largest percentage (70 percent) for Future Development Goal.

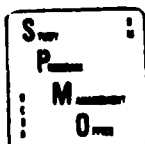
Table 3.13. Contracted services by payback and Army goal

	PAYBACK			
		LONG TERM (10-20 YEARS)	MID TERM (2-10 YEARS)	SHORT TERM (0-2 YEARS)
	N			ALL
ARMY GOAL				
1 READINESS		1	26	79
2 HUMAN			2	1
4 MATERIEL		2	22	12
5 FUTURE DEVELOPMENT		7	33	42
6 STRATEGIC DEPLOYMENT			2	4
7 MANAGEMENT	1		18	54
ALL	1	10	103	192

- Readiness efforts dominate the resource requirements, including 44 percent of the short-term payoff efforts, 30 percent of mid-term, and 80 percent of long-term payoff efforts.

Table 3.14. Resources by payback and Army goal

	PAYBACK			
	TOTAL	LONG TERM (10-20 YEARS)	MID TERM (2-10 YEARS)	SHORT TERM (0-2 YEARS)
	SUM	SUM	SUM	SUM
ARMY GOAL				
1 READINESS		23500	19996	64156
2 HUMAN			123	970
4 MATERIEL		259	13963	13014
5 FUTURE DEVELOPMENT		5636	19254	20656
6 STRATEGIC DEPLOYMENT			2994	10302
7 MANAGEMENT	400		9265	37775
ALL	400	29393	65545	146871



COMBAT APPLICATIONS

• Contracted services in the FY 84 program address all combat and non-combat applications, with approximately one-third in the other (non-combat) category.

• Readiness goal efforts, representing one-third of the FY 84 program, are distributed across all the application categories.

• Future Development goal, with 27 percent of the program, is concentrated heavily, 50 percent, in Combat Support and 25 percent in Combat.

• Management goal includes nearly 25 percent of the program and concentrates (80 percent) primarily in Other.

Table 3.15. Contracted services by combat application and Army goal

	COMBAT APPLICATION					ALL
	COMBAT	CS	CS*	OTHER		
ARMY GOAL						
1 READINESS	25	21	28	32		106
2 HUMAN			1	2		3
4 MATERIEL	13	9	2	12		36
7 FUTURE DEVELOPMENT	20	44	7	11		82
6 STRATEGIC DEPLOYMENT		4		2		6
7 MANAGEMENT	5	7	4	57		73
ALL	63	85	42	116		306

• Resources are greatest for Combat Support (50 percent) and for Other (26 percent).

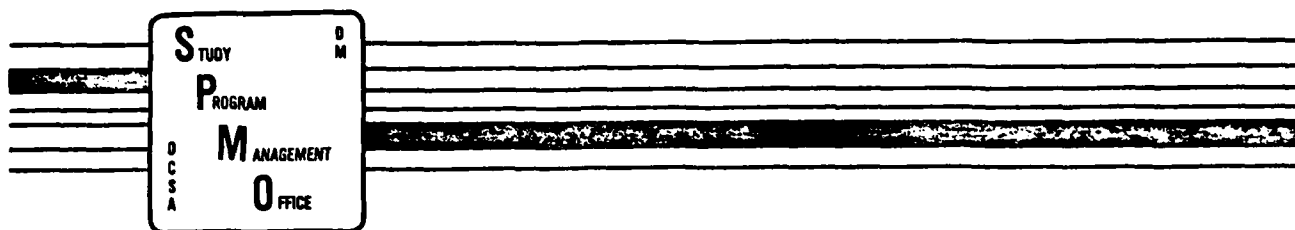
• For Combat Support efforts, over half of resources will go for Readiness goal. For Other efforts, half will go for Management goal and nearly one third for Readiness.

• Least funds will go to Combat Service Support, where about 70 percent will address Readiness goal.

Table 3.16. Resources by combat application and Army goal

	COMBAT APPLICATION					ALL
	COMBAT	CS	CS*	OTHER		
TOTAL	TOTAL	TOTAL	TOTAL	TOTAL		TOTAL
SUP	SUP	SUP	SUP	SUP		SUP
ARMY GOAL						
1 READINESS	24797	49514	12418	20921		107650
2 HUMAN			970	123		1093
4 MATERIEL	4475	16088	150	6523		27236
7 FUTURE DEVELOPMENT	7717	27248	3803	6756		45544
6 STRATEGIC DEPLOYMENT		12366		930		13296
7 MANAGEMENT	4617	8491	1175	31135		47440
ALL	41646	113709	18516	68388		242259





SECTION 4

ANALYSIS OF FY 84 MANAGEMENT SUPPORT SERVICES BY SUBCATEGORIES

This section provides an analysis of management support service efforts within the framework of the subcategories of service. This analysis illustrates the manner in which the FY 84 program addresses each subcategory of service. The data are presented in cross-tabulation tables of numbers of contracted services and resources (dollars).

For this analysis, several dimensions were selected which are of special interest to Army commanders/managers and sponsors of management support services. These include status, Army goal, sponsor, use, resource level, appropriation, payback, and combat application.

STATUS

- The FY 84 MSS program addresses all subcategories of service.
- No new efforts are currently planned for Policy Review and Development or for Public Affairs and Advertising.
- On-going efforts (60 percent of the program) have highest concentrations in Program Management Support (30 percent) and in Systems Engineering (24 percent).
- Planned efforts include 35 percent for Program Management Support, and 15 percent for Other Management Services. Both these categories show significant proportionate increases over on-going efforts.

Table 4.1. Contracted services by status and subcategory

SUBCATEGORIES	STATUS		
	ONGOING	PLANNED	ALL
1 PROGRAM MANAGEMENT SUPPORT	55	43	98
2 POLICY REVIEW & DEVELOPMENT	2		2
3 SPECIFICATIONS DEVELOPMENT	14	15	29
4 SYSTEMS ENGINEERING	45	16	61
5 TECHNOLOGY SHARING	17	8	25
6 LOGISTICS SUPPORT SERVICES	27	15	42
7 TECHNICAL DATA COLLECTION	9	7	16
8 PUBLIC AFFAIRS & ADVERTISING	3		3
9 OTHER MANAGEMENT SERVICES	12	18	30
ALL	184	122	306

- Highest dollar amounts in on-going efforts will go for Systems Engineering 45 percent and for Program Management Support (25 percent).
- 32 percent of planned efforts to go for Program Management Support.
- Resources for planned efforts in Other Management Services increase significantly (30 percent) over on-going efforts.

Table 4.2. Resources by status and subcategory

SUBCATEGORIES	STATUS		
	ONGOING	PLANNED	ALL
	TOTAL	TOTAL	TOTAL
	SLP	SUM	SUM
1 PROGRAM MANAGEMENT SUPPORT	48188	16657	64845
2 POLICY REVIEW & DEVELOPMENT	315		315
3 SPECIFICATIONS DEVELOPMENT	25057	5256	30313
4 SYSTEMS ENGINEERING	67500	4369	71869
5 TECHNOLOGY SHARING	9910	3618	13528
6 LOGISTICS SUPPORT SERVICES	20619	6032	26671
7 TECHNICAL DATA COLLECTION	4806	4082	8888
8 PUBLIC AFFAIRS & ADVERTISING	3774		3774
9 OTHER MANAGEMENT SERVICES	9514	12522	22036
ALL	189721	52516	242237

*Resources in thousands of dollars.



ARMY GOALS

- FY 84 Program MSS efforts addressing the subcategories are spread across all Army goals, except Leadership.
- Program Management Support, with nearly one-third of the total program, includes 38 percent for the Management Goal and 30 percent for Readiness.
- Systems Engineering accounts for 20 percent of the program, with 46 percent for Readiness and 26 percent for Future Development.

Table 4.3. Contracted services by Army goals and subcategory

SUBCAT	ARMY GOAL						ALL
	READINESS	HUMAN	MATERIEL	FUTURE DEVELOPMENT	STRATEGIC DEPLOYMENT	MANAGEMENT	
1 PROGRAM MANAGEMENT SUPPORT	29	1	13	17	1	37	98
2 POLICY REVIEW & DEVELOPMENT			1	1			2
3 SPECIFICATION DEVELOPMENT	2		12	9	3	3	29
4 SYSTEMS ENGINEERING	28		3	16	2	12	61
5 TECHNOLOGY SHARING			2	22		1	25
6 LOGISTICS SUPPORT SERVICES	30		1	5		6	42
7 TECHNICAL DATA COLLECTION	10		2	2		2	16
8 PUBLIC AFFAIRS & ADVERTISING		1		1		1	3
9 OTHER MANAGEMENT SERVICES	7	1	2	9		11	30
ALL	106	3	36	82	6	73	306

- Resources are least (less than 1 percent) for Policy Review and Development.
- Highest resource subcategory is Systems Engineering, where about 80 percent will address the Readiness goal.

Table 4.4. Resources by Army goal and subcategory

SUBCAT	ARMY GOAL						ALL
	READINESS	HUMAN	MATERIEL	FUTURE DEVELOPMENT	STRATEGIC DEPLOYMENT	MANAGEMENT	
	SUR	SUR	SUR	SUR	SUR	SUR	TOTAL
1 PROGRAM MANAGEMENT SUPPORT	12601	970	9963	14713	2697	23901	64845
2 POLICY REVIEW & DEVELOPMENT			291	24			315
3 SPECIFICATION DEVELOPMENT	2847		10777	5050	9669	1970	30313
4 SYSTEMS ENGINEERING	36294		1734	6731	930	6180	71869
5 TECHNOLOGY SHARING			2400	10728		400	13528
6 LOGISTICS SUPPORT SERVICES	24621		133	424		1493	26671
7 TECHNICAL DATA COLLECTION	6445		308	713		1422	8888
8 PUBLIC AFFAIRS & ADVERTISING		100		150		3524	3774
9 OTHER MANAGEMENT SERVICES	4842	23	1630	7011		8550	22056
ALL	107430	1093	27236	45544	13296	47440	242259



SPONSORS

- DARCOM sponsors nearly 80 percent of the total efforts, with highest concentrations in Program Management Support (30 percent) and in Systems Engineering (22 percent).

- TRADOC sponsors 35 percent of the program, with 46 percent for Other Management Services, and 40 percent for Program Management Support.

Table 4.5. Contracted services by sponsor and subcategory

	SPONSOR					
	OCA, HQDA	TRADOC	DARCOM	USACE	OTHER *	ALL
	N	N	N	N	N	N
SUBCAT						
1 PROGRAM MANAGEMENT SUPPORT	2	14	71	4	7	98
2 POLICY REVIEW & DEVELOPMENT			2			2
3 SPECIFICATION DEVELOPMENT		3	25		1	29
4 SYSTEMS ENGINEERING		1	52	4	4	61
5 TECHNOLOGY SHARING		1	24			25
6 LOGISTICS SUPPORT SERVICES			41	1		42
7 TECHNICAL DATA COLLECTION	1		15			16
8 PUBLIC AFFAIRS & ADVERTISING				1	2	3
9 OTHER MANAGEMENT SERVICES	5	16	6	1	2	30
ALL	8	35	236	11	16	306

*Includes HQDA (OCSA, BMDPO, DCSLOG, TJAC, CAR), HSC, USAREC, LEA and ARI.

- Resources for FY 84 MSS efforts are relatively low for all 13 Army sponsors, except DARCOM and TRADOC.

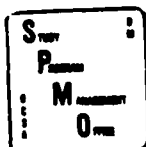
- Major DARCOM resources will go for Systems Engineering (33 percent), and for Program Management Support (27 percent).

- TRADOC resources concentrate about 60 percent for Other Management Services and 33 percent for Program Management Support.

Table 4.6. Resources by sponsor and subcategory

	SPONSOR					
	OCA, HQDA	TRADOC	DARCOM	USACE	OTHER *	ALL
	TOTDOL	TOTDOL	TOTDOL	TOTDOL	TOTDOL	TOTDOL
	SUM	SUM	SUM	SUM	SUM	SUM
SUBCAT						
1 PROGRAM MANAGEMENT SUPPORT	625	6893	53548	1369	2410	64845
2 POLICY REVIEW & DEVELOPMENT			315			315
3 SPECIFICATION DEVELOPMENT		1729	28509		75	30313
4 SYSTEMS ENGINEERING		200	65288	1724	4657	71869
5 TECHNOLOGY SHARING		250	13278			13528
6 LOGISTICS SUPPORT SERVICES			26452	219		26671
7 TECHNICAL DATA COLLECTION	1000		7888			8888
8 PUBLIC AFFAIRS & ADVERTISING				150	3624	3774
9 OTHER MANAGEMENT SERVICES	5000	12288	3695	398	675	22056
ALL	6625	21360	198973	3860	11441	242259

*Includes HQDA (OCSA, BMDPO, DCSLOG, TJAC, CAR), HSC, USAREC, LEA and ARI.



USES

• Highest number (37 percent) of MSS efforts are for Improved Operations, Organization, or Procedures, with 34 percent of these for Program Management Support and 18 percent for Systems Engineering.

• Next highest purpose (25 percent) is for Advanced Knowledge or State-of-the-Art, with concentrations in Technology Sharing (26 percent) and in Program Management Support (18 percent).

Table 4.7. Contracted services by use and subcategory

SUBCAT	USE					
	A	M	C	D	E	ALL
	N	N	N	N	N	N
1. PROGRAM MANAGEMENT SUPPORT	11	17	39	14	17	98
2. POLICY REVIEW & DEVELOPMENT	2	-	-	-	-	2
3. SPECIFICATION DEVELOPMENT	3	1	10	12	3	29
4. SYSTEMS ENGINEERING	8	2	21	17	13	61
5. TECHNOLOGY SHARING	1	-	4	20	-	25
6. LOGISTICS SUPPORT SERVICES	1	3	15	4	19	42
7. TECHNICAL DATA COLLECTION	2	1	10	2	1	16
8. PUBLIC AFFAIRS & ADVERTISING	-	1	1	-	1	3
9. OTHER MANAGEMENT SERVICES	6	2	14	7	1	30
ALL	34	27	114	76	55	306

USE KEY: A. New/improved analytical methods
B. Enlightened decision alternatives
C. Improved operations
D. Advanced knowledge or state-of-the-art.
E. Validated current plans, operations, or procedures.

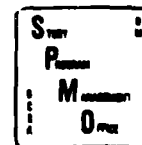
• Largest share (45 percent) of dollar resources are for Improved Operations, Organization, or Procedures, where 40 percent will go for Systems Engineering and 23 percent for Program Management Support.

• Next highest share of resources (18 percent) are for Validated Current Plans, Operations, or Procedures, where 36 percent will go for Logistics Support Services.

Table 4.8. Resources by use and subcategory

SUBCATEGORIES	USE					
	A	M	C	D	E	ALL
	TOTDOL	TOTDOL	TOTDOL	TOTDOL	TOTDOL	TOTDOL
	SUM	SUM	SUM	SUM	SUM	SUM
1. PROGRAM MANAGEMENT SUPPORT	3322	10693	27849	12460	10521	64845
2. POLICY REVIEW & DEVELOPMENT	315	-	-	-	-	315
3. SPECIFICATION DEVELOPMENT	988	208	14404	5360	9353	30313
4. SYSTEMS ENGINEERING	3523	950	44960	14263	8173	71869
5. TECHNOLOGY SHARING	6840	-	3450	3238	-	13528
6. LOGISTICS SUPPORT SERVICES	150	908	6178	962	18473	26671
7. TECHNICAL DATA COLLECTION	1422	1930	3562	713	1261	8888
8. PUBLIC AFFAIRS & ADVERTISING	-	100	150	-	3524	3774
9. OTHER MANAGEMENT SERVICES	5886	1098	11246	3082	744	22056
ALL	22446	15887	111799	40078	32049	242259

USE KEY: A. New/improved analytical methods
B. Enlightened decision alternatives
C. Improved operations
D. Advanced knowledge or state-of-the-art.
E. Validated current plans, operations, or procedures.



RESOURCE LEVELS

- The largest numbers (41 percent) of MSS efforts are in the Small category (less than \$200K), where 30 percent are for Program Management Support and 18 percent for Systems Engineering.

- Large efforts (over \$500K) account for 33 percent of the program, with 32 percent for Program Management Support and 19 percent for Systems Engineering.

- Medium class of efforts (\$200-500K) have high concentrations in Program Management Support (33 percent), and Systems Engineering (24 percent).

Table 4.9. Contracted services by resource level and subcategory

SUBCATEGORIES	RESOURCE			
	LARGE	MED	SMALL	ALL
	OVER \$500 K	\$200-500 K	\$0-200 K	N
1 PROGRAM MANAGEMENT SUPPORT	33	26	38	98
2 POLICY REVIEW & DEVELOPMENT		1	1	2
3 SPECIFICATIONS DEVELOPMENT	9	7	13	29
4 SYSTEMS ENGINEERING	19	19	23	61
5 TECHNOLOGY SHARING	6	3	16	25
6 LOGISTICS SUPPORT SERVICES	15	9	18	42
7 TECHNICAL DATA COLLECTION	6	4	6	16
8 PUBLIC AFFAIRS & ADVERTISING	1		2	3
9 OTHER MANAGEMENT SERVICES	13	9	8	30
ALL	102	78	125	306

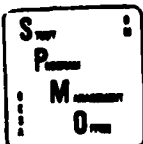
- Over 80 percent of FY 84 program resources are applied to large size (over \$500K) efforts which account for only 33 percent of the program.

- 32 percent of the large efforts are for Program Management Support and 19 percent for Systems Engineering.

- Resources for small efforts are found in each subcategory, with highest amount (30 percent) for Program Management Support.

Table 4.10. Resources by resource level and subcategory

SUBCATEGORIES	RESOURCE			
	LARGE	MED	SMALL	ALL
	OVER \$500 K	\$200-500 K	\$0-200 K	TOTAL
	SUM	SUM	SUM	SUM
1 PROGRAM MANAGEMENT SUPPORT	51990	9257	3598	64845
2 POLICY REVIEW & DEVELOPMENT		291	24	315
3 SPECIFICATIONS DEVELOPMENT	26735	2517	1061	30313
4 SYSTEMS ENGINEERING	62394	6923	2552	71869
5 TECHNOLOGY SHARING	11385	866	1277	13528
6 LOGISTICS SUPPORT SERVICES	21624	3086	1961	26671
7 TECHNICAL DATA COLLECTION	6597	1535	756	8888
8 PUBLIC AFFAIRS & ADVERTISING	3524		250	3774
9 OTHER MANAGEMENT SERVICES	17706	3833	517	22056
ALL	201955	28108	11996	242259



APPROPRIATIONS

- 98 percent of MSS efforts in the FY 84 program are funded from the OMA and RDTE budget appropriations.

- OMA funds (53 percent of total) are applied across all subcategories, except Policy Review and Development. Largest numbers of OMA funded efforts are for Program Management Support (24 percent) and for Logistics Support Services (22 percent).

- RDTE funded efforts (43 percent of total), concentrate heavily on Program Management Support (40 percent) and on Systems Engineering (20 percent).

Table 4.11. Contracted services by appropriation and subcategory

	APPROPRIATION			
	OMA	RDTE	UTMAF	ALL
SUBCATEGORIES				
PROGRAM MANAGEMENT SUPPORT	38	52	8	98
POLICY REVIEW & DEVELOPMENT				2
SPCIFICATION/DEVELOPMENT	18	11		29
SYSTEMS ENGINEERING	27	27	3	57
TECHNOLOGY SHARING	1	24		25
LOGISTICS SUPPORT SERVICES	34	8		42
TECHNICAL DATA COLLECTION	11	5		16
PUBLIC AFFAIRS & ADVERTISING	1		2	3
OTHER MANAGEMENT SERVICES	27	3		30
TOTAL	161	132	13	306

*Includes OMAR, AIRCRAFT, NIPA, WTCV and OPA.

- Resources for the FY 84 program are highly concentrated in the OMA and RDTE appropriations.

- The largest amount of OMA dollars, nearly 25 percent, are for Systems Engineering.

- 40 percent of RDTE dollars are for Systems Engineering and 36 percent for Program Management Support.

- Least funds (\$48K) are in the Wheeled and Tracked Combat Vehicle appropriation for one contract effort in Program Management Support.

Table 4.12. Resources by appropriation and subcategory

	APPROPRIATION			
	OMA	RDTE	UTMAF	ALL
TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
SUM	SUM	SUM	SUM	SUM
SUBCATEGORIES				
PROGRAM MANAGEMENT SUPPORT	17426	36458	10961	64845
POLICY REVIEW & DEVELOPMENT		315		315
SPCIFICATION/DEVELOPMENT	24854	5459		30313
SYSTEMS ENGINEERING	30871	40709	278	71858
TECHNOLOGY SHARING	22	13278		13300
LOGISTICS SUPPORT SERVICES	24220	2231		26451
TECHNICAL DATA COLLECTION	7843	1043		8886
PUBLIC AFFAIRS & ADVERTISING	150		3624	3774
OTHER MANAGEMENT SERVICES	20936	1520		22456
TOTAL	120761	101033	14863	242257

*Includes OMAR, AIRCRAFT, NIPA, WTCV and OPA.



PAYBACKS

- Approximately 97 percent of the FY 84 program will provide benefits to the Army in the Short-Term (0-2 years) and the Mid-Term (2-10 years), spread across all subcategories.

- Largest subcategory, Program Management Support, includes efforts in all three time-frames--65 percent Short-Term, 30 percent Mid-Term, and 5 percent Long-Term.

- Next highest subcategory is Systems Engineering, with 57 percent Short-Term, 38 percent Mid-Term, and 5 percent Long-Term.

Table 4.13. Contracted services by payback and subcategory

	PAYBACK			
	LONG TERM (10-20 YEARS)	MID-TERM (2-10 YEARS)	SHORT-TERM (0-2 YEARS)	ALL
SUBCAT				
1 PROGRAM MANAGEMENT SUPPORT	5	29	64	98
2 POLICY REVIEW & DEVELOPMENT		1	1	2
3 SPECIFICATIONS DEVELOPMENT	2	12	15	29
4 SYSTEMS ENGINEERING	3	23	35	61
5 TECHNOLOGY SHARING	1	16	8	25
6 LOGISTICS SUPPORT SERVICES		9	33	42
7 TECHNICAL DATA COLLECTION		2	14	16
8 PUBLIC AFFAIRS & ADVERTISING		1	2	3
9 OTHER MANAGEMENT SERVICES		10	20	30
ALL	1	10	103	306

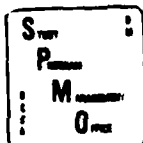
- About 90 percent of FY 84 program resources are for Short-Term and Mid-Term efforts.

- Greatest amount of dollars are for Systems Engineering, with 50 percent for Short-Term and 35 percent for Long-Term.

- Short-Term effort resources are for all categories, including 33 percent for Systems Engineering, and 30 percent for Program Management Support.

Table 4.14. Resources payback and subcategory

	PAYBACK			
	LONG TERM (10-20 YEARS)	MID-TERM (2-10 YEARS)	SHORT-TERM (0-2 YEARS)	ALL
SUBCAT	SUM	SLP	SUM	SLP
1 PROGRAM MANAGEMENT SUPPORT	3689	26725	34431	64845
2 POLICY REVIEW & DEVELOPMENT		291	24	315
3 SPECIFICATIONS DEVELOPMENT	259	3831	26223	30313
4 SYSTEMS ENGINEERING	25445	9444	16981	71869
5 TECHNOLOGY SHARING	400	10342	2785	13528
6 LOGISTICS SUPPORT SERVICES		5770	20901	26671
7 TECHNICAL DATA COLLECTION		172	8716	8888
8 PUBLIC AFFAIRS & ADVERTISING		100	3674	3774
9 OTHER MANAGEMENT SERVICES		8919	13137	22056
ALL	4101	29301	65595	146871



COMBAT APPLICATIONS

- Largest numbers of FY 84 MSS program efforts (38 percent) are for Other (non-combat) applications, where nearly 50 percent are for Program Management Support and another 18 percent for Systems Engineering.

- Least numbers (28 percent of program) address Combat Service Support, where 36 percent is applied to Program Management Support and 24 percent for Logistics Support Services.

- Less than one percent of numbers are applied to Policy Review and Development, with one effort in Combat Support and one in Other (non-combat).

Table 4.15. Contracted services by combat application and subcategory

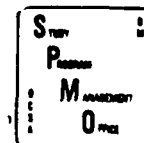
SUBCATEGORIES	COMBAT					ALL
	CCPMA1	CS	CSS	OTHER		
	N	N	N	N	N	
1 PROGRAM MANAGEMENT SUPPORT	7	19	15	57		98
2 POLICY REVIEW & DEVELOPMENT		1		1		2
3 SPECIFICATIONS DEVELOPMENT	7	14	2	6		29
4 SYSTEMS ENGINEERING	24	12	4	21		61
5 TECHNOLOGY SHARING	5	18		2		25
6 LOGISTICS SUPPORT SERVICES	12	13	10	7		42
7 TECHNICAL DATA COLLECTION	1	3	8	4		16
8 PUBLIC AFFAIRS & ADVERTISING				3		3
9 OTHER MANAGEMENT SERVICES	7	5	3	15		30
ALL	67	85	42	116		306

- Greatest amount of resources (42 percent) are programmed for Combat Support applications, where over 50 percent is for Other Management Services and another 35 percent for Systems Engineering.

- For Other (non-combat) applications (28 percent of the total program), approximately 50 percent is for Program Management Support and 20 percent for Systems Engineering.

Table 4.16. Resources by combat application and subcategory

SUBCATEGORIES	COMBAT					ALL
	COMBAT	CS	CSS	OTHER		
	TOTDOL	TOTDOL	TOTDOL	TOTDOL	TOTDOL	
	SUM	SUM	SUM	SUM	SUM	
1 PROGRAM MANAGEMENT SUPPORT	4974	22682	5183	32006		64845
2 POLICY REVIEW & DEVELOPMENT		291		24		315
3 SPECIFICATIONS DEVELOPMENT	1492	24012	150	4659		30113
4 SYSTEMS ENGINEERING	16173	40393	2960	12343		71869
5 TECHNOLOGY SHARING	789	10339		2400		13528
6 LOGISTICS SUPPORT SERVICES	12438	6801	6139	1293		26671
7 TECHNICAL DATA COLLECTION	1261	2643	3254	1730		8888
8 PUBLIC AFFAIRS & ADVERTISING				3774		3774
9 OTHER MANAGEMENT SERVICES	4519	6548	830	10159		22056
ALL	41646	111709	18516	68388		242259



APPENDIX A

GLOSSARY

Combat Application: The combat application of the intended results of the service. (For further explanation, see list of symbols in inside of back cover.)

Contracted Service: A contract for management support services, as defined in Appendix B, AR 5-14.

Description: A brief narrative description of the management support service.

End Date: The anticipated month and year the service will be completed.

FPDS Code: A four position entry of the Federal Supply Class Code related to the category of Schedule 10 in which the contracted service is reported.

Identification code: A nine position code which serves to track management support services throughout their life-cycles.

Payback: The general time frame in which the outcomes of the service may reasonably be expected to provide benefit to the army. (For further explanation, see list of symbols in inside of back cover.)

Performer: The organization performing the service.

Resource Level: The range, i.e., high, medium, or low, of FY 83 and FY 84 dollar resources to be obligated to management support services.

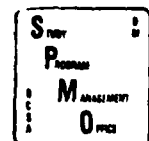
Sponsor: The MACOM, Command or HQDA staff agency sponsoring the service.

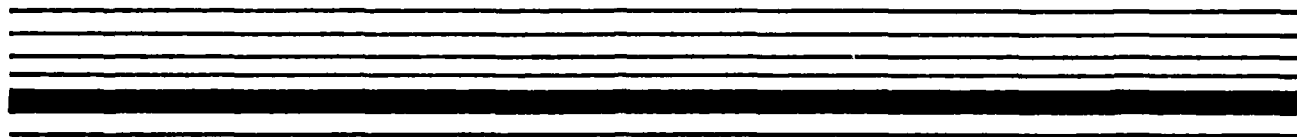
Start Date: The anticipated or actual month and year the service will begin or has begun.

Status: A code indicating the status of a contracted service as of the date of submission.

Subcategory of Service: A contracted service, as defined in Appendix B, AR 5-14. (For further explanation, see list of symbols in inside of back cover.)

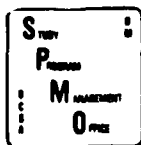
Title: A brief descriptive title of the project.





Total Army Goals: Goals of the Total Army. (For further explanation, see inside of front cover.)

Use: The anticipated end use of a planned or on-going management support service. (For further explanation, see list of symbols, in inside of back cover.)

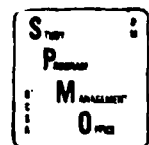




APPENDIX B

STATISTICAL LISTING OF FY 84 MANAGEMENT SUPPORT SERVICES BY TITLE

This section of the appendices provides a statistical listing of all contracted services for FY 84. The listing is alphabetized by title.



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SEE INSIDE BACK COVER FOR KEY TO SYMBOLS

FY 84 MANAGEMENT SUPPORT SERVICES BY TITLE
1 OCTOBER 1983

SYMBOL	DESCRIPTION	QTY	UNIT	PRICE	DATE	STATUS	AGENCY	LOCATION	REMARKS
ORCAV-D-020	AN/APR-35(V)2 SOFTWARE SUPPORT PROCEDURE	1	R40P	P310 R404	P 1 E R	L	DARCOM	TO BE DETERMINED	
ORSEL-A-104	AN/GRM-114A G&S MAINT (NETT)	6	R417	P305	C 1 D O	L	DARCOM	IFR, INC	
ORSEL-D-103	AN/GSC-40 SATCOM UHF COMD POST (NETT)	6	R417	P301	C 1 C O	L	DARCOM	ARINE RESCH	
ORSEL-E-106	AN/GSC-49(V) 1 JRSC (NETT)	6	R417	P310	C 1 C O	L	DARCOM	TO BE DETERMINED	
ORSEL-C-101	AN/LSM-410 AND THE AN/MSM-105 (EQUATE) IN	6	R417	P310	C 1 C O	M	DARCOM	RCA CORP	
ORDAV-D-019	ANALYSIS OF AMIP CONTROL DISPLAY SYS (CC)	1	R40P	P310 R404	P 1 E R	L	DARCOM	TO BE DETERMINED	
ATTGD-D-001	ANALYSIS OF ARMY TRAINING SPECIALISTS	3	R495	R410	P 1 C O	M	TRADOC	TO BE DETERMINED	
ORCFP-D-061	ANALYSIS SOFTWARE DEVELOPMENT AND EW TCS	4	R414	P305 P509	C 4 A R	M	DARCOM	EAGLE TECH INC	
USACC-D-004	ARMY COMMAND AND CONTROL MASTER PLAN (AC)	4	R414	P312 R412	O 7 C O	M	USACC	MITRE CORP	
ATZLC-D-006	ARMY MODEL IMPROVEMENT PROGRAM (AMIP)	1	R40P	P310 R409	C 5 D O	M	TRADOC	JPL	
USACC-D-001	ARMY OPERATIONS CENTER (AOC)	4	R414	P305 P405	O 7 C O	M	USACC	MITRE CORP	
DAARZ-C-001	ARMY RESERVE PUBLIC AWARENESS ACTIVITY	9	R401	P310 P509	O 2 R A	L	CAR	MORE THAN ONE	
ORSTA-B-014	ARMY STOCK FUND (ASF) ENGINEERING SUPPOR	4	R414		C 1 C O	M	DARCOM	AM GENERAL	
ATZLS-E-011	ARTHASS TRAINING DEVELOPMENT ANALYSIS	1	R40P	P312 P610	P 4 A O	L	TRADOC	TO BE DETERMINED	
ORCAV-D-018	ASE SUITE INTEGRATION REQUIREMENTS	1	R40P	P303 P304	C 1 E R	M	DARCOM	CALSPAN CORP	
ATICS-E-005	ASSESSMENT OF SGT DEVELOPMENT PRODUCTS	1	R40P	P409	P 1 C O	L	TRADOC	TO BE DETERMINED	
ORCFP-E-042	ALTCMAT CN OF BASELINE COST ESTIMATES	1	R40P	P506	P 7 C R	M	DARCOM	TO BE DETERMINED	
ORSEL-D-035	ALTCMAT PROJECT SUMMARY AND ACCTG SYST	1	R40P	P305 P401	C 7 A R	L	DARCOM	ANALYTICAL SYST	
ORCAV-E-012	AUTOMATED TEST EQUIPMENT (ATE) PROGRAM P	4	R414	P311 R411	P 5 C R	M	DARCOM	TO BE DETERMINED	
ORSEL-E-107	AUTOMATION OF DIRECTORATE FUNCTIONS/FILE	6	R417		P 7 P O	M	DARCOM	TO BE DETERMINED	
DAVAA-I-008	AVENICE EQUIPMENT STUDIES	1	R40P	P402 P501	P 1 H R	L	DARCOM	TO BE DETERMINED	

SEE INSIDE BACK COVER FOR KEY TO SYMBOLS

FY 04 MANAGEMENT SUPPORT SERVICES BY TITLE
1 OCTOBER 1982

SYMBOL	DESCRIPTION	QTY	UNIT	PRICE	DATE	STATUS	AGENCY	OFFICE	LOCATION	PERSONNEL	ORGANIZATION	REMARKS
DAVAA-A-003	AVRADA VERIFICATION AND VALIDATION COPTW	1	RA08	8000	8000	0	1	0	0	0	0	TELETYPE HROWN
DAVAA-C-005	AVRACOM POSE FACILITY SUPPORT	1	RA08	8000	8000	0	1	0	0	0	0	NUMAX INC
USACC-D-003	BALLISTIC MISSILE DEFENSE C3 PROGRAM	4	RA14	8000	8000	0	7	0	0	0	0	MITRE CORP
9MCPO-D-007	BALLISTIC MISSILE DEFENSE SYSTEMS REQUIR	1	RA08	8000	8000	0	5	0	0	0	0	APPLIED RESCH
DRSTA-D-124	RFUS VEHICLE	6	RA17	8000	8000	0	1	0	0	0	0	HUGHES AIRCRAFT
DRSTA-D-116	RFVS	6	RA17	8000	8000	0	1	0	0	0	0	TO RE DETERMINED
DRARO-C-002	BOARD OF ARMY SCIENCE AND TECHNOLOGY	9	RA99	8000	8000	0	5	0	0	0	0	NAT ACAD SCI
DACSD-E-003	CHIEF OF STAFF AUTOMATED INFORMATION SVS	1	RA08	8000	8000	0	7	0	0	0	0	TO RE DETERMINED
DRCPM-E-011	COMMERCIAL TRAINING DEVICE REQUIREMENTS	5	RA95	8000	8000	0	7	0	0	0	0	TRIAD MICROSYS
PMPCM-C-003	COMO III	1	RA08	8000	8000	0	4	0	0	0	0	TRW INC.
DRSEL-B-018	COMPLER INSTRUCTION ARCHITECTURE FOR MC	1	RA08	8000	8000	0	5	0	0	0	0	CARNEGIE-MELLON
DRSEL-C-004	COMSEC MATERIEL ACQUISITION DOCUMENTATION	6	RA17	8000	8000	0	5	0	0	0	0	ANALYTICS, INC
DRSEL-C-007	COMSEC MATERIEL ACQUISITION DOCUMENTATION	6	RA17	8000	8000	0	5	0	0	0	0	ANALYTICS, INC
DRCPM-E-006	CONFIGURATION MANAGEMENT FOR TACTICAL CA	1	RA08	8000	8000	0	1	0	0	0	0	TO RE DETERMINED
DRCPM-C-002	CCST ANALYSIS	1	RA08	8000	8000	0	1	0	0	0	0	ANALYTICS, INC
DRCPM-C-006	CCST ANALYSIS	1	RA08	8000	8000	0	1	0	0	0	0	ANALYTICS, INC
DACAC-E-006	CCST ESTIMATING DATA BASE DEVELOPMENT	7	RA02	8000	8000	0	7	0	0	0	0	TO RE DETERMINED
DACAC-E-005	CCST ESTIMATING METHODOLOGY DEVELOPMENT	9	RA95	8000	8000	0	7	0	0	0	0	TO RE DETERMINED
DRCPM-C-008	CREW GROUP TRAINER	7	RA02	8000	8000	0	1	0	0	0	0	BDM CORP
ATCLS-D-005	DA MOVEMENT MOT SYS-MOVEMENT PLANNING MO	9	RA95	8000	8000	0	1	0	0	0	0	TO RE DETERMINED
ATCLS-C-006	DA STANDARD PORT SYSTEM-ENHANCED (DASPS-	9	RA95	8000	8000	0	1	0	0	0	0	DIVERSIF DATA

SEE INSIDE BACK COVER FOR KEY TO SYMBOLS

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FY 84 MANAGEMENT SUPPORT SERVICES BY TITLE
1 OCTOBER 1983

N	U	M	P	F	R	T	S	U	H	FC	CPD	ACC	ISE	1	RA0F	2	205	RA09	0	1	C	K	M	DARCOM	R	E	S	P	P	E	R	F	O	R	M
DELSO-C-002						ELECTRONIC WARFARE ENVIRONMENTAL SIMULAT								1	RA0F		205	RA09	0	1	C	K	M	DARCOM	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
DRCAV-O-015						ENGINE COMPONENT IMPROVEMENT PROGRAM (CI								4	RA14		7610		0	1	C	R	H	DARCOM	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
ATICI-C-001						ENGINEER SUPPORT SERVICES (MEDICAL COMM								1	RA0F			2311	P	1	C	O	L	TRADOC	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
DRSEL-O-116						ENGINEERING SUPPORT								1	RA0F		8303		C	4	C	R	H	DARCOM	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
AAFFP-C-003						ENVIRONMENTAL TEMPERATURE ACCEPTANCE TES								4	RA14		8304	P307	0	7	E	C	L	DARCOM	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
DELSO-C-001						ERACOM S/W SPT OF BAS								1	RA06		8301	8601	C	1	C	R	H	DARCOM	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
DELSO-D-002						ERADCOM S/W SPT OF BAS								1	RA0P		8301	8601	0	1	C	O	H	DARCOM	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
C3SCC-A-001						EUROPEAN COMMAND CONTROL CONSOLE SYSTEM								4	RA14		7107	8512	0	1	A	O	M	USEUCOM	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
ATZHC-A-005						EVALUATION OF ELECTROMAGNETIC COMPATIBIL								9	RA99		8301	8409	0	5	C	O	M	TRADOC	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
DRSPC-C-003						EVALUATION, INTERPRETATION & ANALYSIS OF								1	RA0P		8309	8409	P	7	A	M	L	DARCOM	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
ATZDO-D-001						FAMILY ADVOCACY PROGRAM (FAP)								5	RA55		8305	8409	C	2	C	O	L	TRADOC	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
DRSMC-C-001						FIELD SMOKE ASSESSMENT								7	RA02		8203	8403	0	5	D	R	M	DARCOM	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
DRCPM-O-006						FIRING BATTERY TRAINER								5	RA95		8311	8412	0	1	C	R	L	DARCOM	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
DRDAV-O-009						FLIR								3	RA13		8301	8409	0	5	C	R	M	DARCOM	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
DACAC-O-001						FORCE COST INFORMATION SYSTEM (FCIS)								9	RA99		8510		P	7	A	O	H	COA	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
DACAO-O-002						FUNCTIONAL DESCRIP FOR AUTOMATION OF BUDGET								1	RA0P		8510		P	7	A	O	L	COA	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
DRSEL-O-022						FUNCTIONAL TESTING OF LSI/VLSI BASED SYS								5	RA15		8310	8609	0	5	D	R	L	DARCOM	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
DRSEL-C-023						FUNDAMENTAL MODELS OF DISTRIBUTED SYSTEM								5	RA15		8310	8409	0	5	D	R	L	DARCOM	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
DRSTA-C-850						FUTURE CLOSE COMBAT VEHICLE SYSTEMS (FCC								5	RA15		8301	8501	C	5	D	R	L	DARCOM	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
DRSTA-C-851						FUTURE CLOSE COMBAT VEHICLE SYSTEMS (FCC								5	RA15		8301	8601	0	5	D	R	L	DARCOM	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M
DRSTA-C-852						FUTURE CLOSE COMBAT VEHICLE SYSTEMS (FCC								5	RA15		8301	8601	0	5	D	R	L	DARCOM	R	E	S	P	P	E	R <td>F <td>O <td>R <td>M</td> </td></td></td>	F <td>O <td>R <td>M</td> </td></td>	O <td>R <td>M</td> </td>	R <td>M</td>	M

SEE INSIDE BACK COVER FOR KEY TO SYMBOLS

SY 44 MANAGEMENT SUPPORT SERVICES BY TITLE
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SYMBOL	DESCRIPTION	ORGANIZATION	LOCATION	STATUS	DATE	BY	TITLE
DRSTA-D-853	FUTURE CLOSE COMBAT VEHICLE SYSTEMS (FCC)	DRSTA	DRSTA	DRSTA	DRSTA	DRSTA	DRSTA
DRSTA-C-854	FUTURE CLOSE COMBAT VEHICLE SYSTEMS (FCC)	DRSTA	DRSTA	DRSTA	DRSTA	DRSTA	DRSTA
DRSTA-C-855	FUTURE CLOSE COMBAT VEHICLE SYSTEMS (FCC)	DRSTA	DRSTA	DRSTA	DRSTA	DRSTA	DRSTA
ATAC-E-004	PAUK/STCS VALIDATION AND VERIFICATION	ATAC	ATAC	ATAC	ATAC	ATAC	ATAC
MSHAZ-E-001	HEALTH SERVICES PERFORMANCE DESCRIPTION	MSHAZ	MSHAZ	MSHAZ	MSHAZ	MSHAZ	MSHAZ
ORSEL-E-003	HIGH ALTITUDE COMMUNICATIONS PLATFORM	ORSEL	ORSEL	ORSEL	ORSEL	ORSEL	ORSEL
ORSEL-C-001	IN-PAC ANTENNA COPELING RESEARCH	ORSEL	ORSEL	ORSEL	ORSEL	ORSEL	ORSEL
PMNDM-C-001	INDEPENDENT PATRIOT ANALYSIS	PMNDM	PMNDM	PMNDM	PMNDM	PMNDM	PMNDM
PMNDM-C-004	INDEPENDENT PATRIOT ANALYSIS	PMNDM	PMNDM	PMNDM	PMNDM	PMNDM	PMNDM
PMNDM-E-005	INDEPENDENT PATRIOT ANALYSIS	PMNDM	PMNDM	PMNDM	PMNDM	PMNDM	PMNDM
PMNDM-E-006	INDEPENDENT PATRIOT ANALYSIS	PMNDM	PMNDM	PMNDM	PMNDM	PMNDM	PMNDM
PMNDM-C-002	INDEPENDENT SOFTWARE VERIFICATION AND VAL	PMNDM	PMNDM	PMNDM	PMNDM	PMNDM	PMNDM
DELCS-O-004	INDICATION FRIEND OR FOE (IFF)	DELCS	DELCS	DELCS	DELCS	DELCS	DELCS
ORDAV-O-014	INDUSTRIAL PRODUCTIVITY IMPROVEMENT (IPI)	ORDAV	ORDAV	ORDAV	ORDAV	ORDAV	ORDAV
ORDAV-O-013	INDUSTRIAL PRODUCTIVITY IMPROVEMENT (IPI)	ORDAV	ORDAV	ORDAV	ORDAV	ORDAV	ORDAV
JACSD-E-002	INFORMATION COST/VALUE PROGRAM	JACSD	JACSD	JACSD	JACSD	JACSD	JACSD
JACSD-E-001	INFORMATION RESOURCE DIRECTORY	JACSD	JACSD	JACSD	JACSD	JACSD	JACSD
ORXTH-C-001	INSTALLATION RESTORATION DATA MANAGEMENT	ORXTH	ORXTH	ORXTH	ORXTH	ORXTH	ORXTH
ATZKI-B-001	INSTRUMENTATION SUPPORT CONTRACT	ATZKI	ATZKI	ATZKI	ATZKI	ATZKI	ATZKI
ORCPW-C-078	INTEGRATED LOGISTICS SUPPORT	ORCPW	ORCPW	ORCPW	ORCPW	ORCPW	ORCPW
DAVAA-E-009	INTEGRATED LOGISTICS SUPPORT PLAN & ANAL	DAVAA	DAVAA	DAVAA	DAVAA	DAVAA	DAVAA

SEE INSIDE BACK COVER FOR KEY TO SYMBOLS

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FY 84 MANAGEMENT SUPPORT SERVICES BY TITLE
1 OCTOBER 1983

UNIT	DESCRIPTION	SYMBOL	DATE	LOCATION	STATUS	REMARKS
ATTCO-D-093	M1 MAINTENANCE AND OPERATION	9 R495	8406	P 1 C 0	M	TRADOC TO BE DETERMINED
CRSTA-C-114	M1 TANK	7 R402	8310 8409	0 1 E 0	M	DARCOM PECO ENT
CRSTA-C-109	M113A2	4 R414		0 1 C 0	M	DARCOM FMC CORP
CRSTA-C-113	M113AS PERSONNEL CARRIER	6 R417	8310 8409	0 1 E 0	M	DARCOM FMC CORP
CRSTA-C-111	M129 SEMITRAILER	6 R417		0 1 E 0	M	DARCOM KASEL MFG CO
CRSTA-C-117	M2/M2	6 R417	8310 8505	P 1 E 0	M	DARCOM TO BE DETERMINED
CRSTA-C-162	M20 TANK	4 R414		C 1 E 0	M	DARCOM GENERAL DYNAMIC
CRSTA-C-118	M20A1 TANK	6 R417	8310 8410	0 1 E 0	M	DARCOM PECO ENT
CRSTA-C-139	M20A3 TANK	5 R417		0 1 E 0	M	DARCOM PECO ENT
CRSTA-D-119	M20A3 TANK	6 R417	8310 8309	C 1 E 0	M	DARCOM PECO ENT
CRSTA-D-121	M667 LAUCE	6 R417	8310 8409	0 1 E 0	M	DARCOM VOUGHT CORP
CRSTA-D-144	M20A1 MCV	4 R414		0 1 E 0	L	DARCOM RMY
CRSTA-D-123	M5 ARMORED COMBAT EARTHMOVER	6 R417	8210	0 1 E 0	M	DARCOM PACIFIC CAR
CRSTA-D-115	M515A1	6 R417		C 1 E 0	M	DARCOM AM GENERAL
CRSTA-C-165	MAINTENANCE ENGINEERING OF TACTICAL WHEE	4 R414		C 1 C 0	L	DARCOM MILLER TRAILERS
CRSTA-D-167	MAINTENANCE ENGINEERING OF TACTICAL WHEE	4 R414		0 1 C 0	M	DARCOM AM GENERAL
CRCPM-E-097	MANAGEMENT & TECHNICAL SUPPORT OF FIELD	1 R408		P 1 C 0	M	DARCOM TO BE DETERMINED
CRCPM-E-056	MANAGEMENT SUPPORT	1 R408	8310 8509	P 1 E R	M	DARCOM TO BE DETERMINED
CRCPM-D-062	MARINE CORPS TEST SUPPORT	6 R417	8308 8509	P 1 E R	M	DARCOM TO BE DETERMINED
CRSEL-D-017	MCF HARDWARE SYSTEM ARCHITECTURE	1 R408	8303 8603	0 5 E R	M	DARCOM E686 WASHINGTON
DALOT-C-001	MGT REVIEW OF ARMY COMMISSARY SYSTEM	1 R408	8211 8404	C 2 C 0	M	DCSLOG PLAT PARWICK MI

FY 84 MANAGEMENT SUPPORT SERVICES BY TITLE
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	N	U	I	T	S	U	H	FC	PO	DO	SE	P	R	A	P	R	R	S	E	P
ATZLC-E-001																				SCI APPLIC INC
DRSTA-D-143																				TECH MGT CORP
DRSTA-D-021																				TO BE DETERMINED
ATSAC-E-015																				TO BE DETERMINED
DRSTA-D-110																				FMC CORP
DRCPM-D-077																				FORD AEROSPACE
HSPAP-E-001																				SAFETY SCIENCE
DRSTA-A-026																				TO BE DETERMINED
DRSEL-E-113																				TO BE DETERMINED
USACC-D-011																				TO BE DETERMINED
ATSAC-E-006																				TO BE DETERMINED
ATICS-E-002																				TO BE DETERMINED
DRCPM-D-086																				TO BE DETERMINED
DRCPM-D-060																				STEWART ASSOC
DRCPM-D-012																				TRIAD MICROSYS
ATICS-E-004																				TO BE DETERMINED
DACAC-E-004																				TO BE DETERMINED
DELCS-D-003																				SYSTEMATICS
DRCPM-D-013																				SCI APPLIC INC
DRCPM-C-003																				SEMCOR, INC
DRCPM-D-001																				SYST PLAN CORP

SEE INSIDE BACK COVER FOR KEY TO SYMBOLS

FY 84 MANAGEMENT SUPPORT SERVICES BY TITLE
1 OCTOBER 1983

SYMBOL	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE	AGENCY	STATUS	REMARKS
PMFR-E-002	PROGRAM MANAGEMENT SUPPORT FOR REMBASE	1 R402	P310 E409	P 7 C R L	DARCOM	TO BE DETERMINED		
DACAC-E-008	PROGRAMMING AND BUDGETING OF ARMY RESOURC	1 R408	P 7 A O M	COA	TO BE DETERMINED			
ORARO-B-001	PROPOSAL EVALUATION	1 R408	E104 E203	O 5 H R M	DARCOM	NAT ACAD SCI		
ATSAC-E-005	PTOS POR85 UPGRADE (ENHANCEMENT)	9 R495	P409	P 4 A O M	TRADOC	TO BE DETERMINED		
SELEP-O-117	PUBLICATIONS SUPPORT	1 R408	O 4 E O H	DARCOM	VSE			
DAVAA-A-004	R8D COST MODEL	2 R406	E305 E401	O 5 A R L	DARCOM	ANALYTICS, INC		
DRCPM-C-005	RADAR SYSTEM ENGINEERING	4 R414	P208 E709	O 4 B R M	DARCOM	ADAPTIVE SENSOR		
DRSEL-D-119	RAIGA AND ANALYSIS	5 R415	P311 E411	P 5 D R L	DARCOM	TO BE DETERMINED		
DRSEL-D-011	RAIGA AND ANALYSIS	5 R415	E311 E411	P 5 D R L	DARCOM	TO BE DETERMINED		
DRSEL-E-110	RAP ACQUISITION HANDBOOK	3 R413	R401 E407	P 4 C R L	DARCOM	TO BE DETERMINED		
ATSAC-E-021	REQUIREMENTS FOR ACA MODELS	3 R412	E412	P 5 D O M	TRADOC	TO BE DETERMINED		
ATSAC-E-011	REQUIREMENTS FOR ANTI-TACTICAL MISSILE	3 R413	E411	P 5 D O M	TRADOC	TO BE DETERMINED		
DRSEL-C-002	RESEARCH ON NMW COMMUNICATIONS TECHNOLOG	1 R408	R204 E312	O 5 C R L	DARCOM	HUGHES AIRCRAFT		
DELCS-D-001	REVIEW STANDARDIZATION IMPLEMENTING COCU	3 R413	R303 E309	C 4 C O L	DARCOM	ANALYTICAL R&D		
DRCAV-D-016	RF INTERFEROMETER SYSTEM REQUIREMENT	1 R408	P306 E311	O 1 E R M	DARCOM	SCI APPLIC INC		
DRCPM-D-065	RTR FOR PLRS	1 R408	P403 E509	P 7 C R M	DARCOM	TO BE DETERMINED		
DRCPM-A-057	RTR FOR FLRS/TIDS	4 R414	E205 E403	G 7 C P M	DARCOM	EAGLE TECH INC		
DRCPM-D-005	SATE TECH DATA BASE	4 R414	E311 E312	O 1 C R L	DARCOM	EAGLE TECH INC		
USACC-D-002	SECURE VOICE IMPROVEMENT PROGRAM (SVIP)	4 R414	E312 E412	G 7 C O M	USACC	MITRE CORP		
DRSTA-D-019	SELF CLEANING AIR FILTER	4 R414	E306 E506	O 5 C R L	DARCOM	DONALDSON INC		
DRCPM-D-069	SETA	1 R408	P310 E509	P 7 D R H	DARCOM	TO BE DETERMINED		

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FY 84 MANAGEMENT SUPPORT SERVICES BY TITLE
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UNIT	DESCRIPTION	SYMBOL	DATE	TIME	LOCATION	STATUS	REMARKS
ATSAC-D-001	SGT YORK FIRING DOCTRINE ANALYSIS	9 R499	2306	2606	C 4 E 0	H	TRADOC TRM INC
ATSAC-E-013	STRAD TECHNOLOGY FOR DIRECTED ENERGY	5 R415	2510	2510	P 2 D 0	M	TRADOC TO BE DETERMINED
ORCEM-D-003	SIGNAL ELECTRONIC WARFARE (SIG EW)	4 R414	2307	2312	0 1 A R	L	DARCOM COMP SCI CORP
ATICS-C-002	SKILL QUALIFICATION TEST (SQT) POST TEST	1 R408	2201	2310	0 1 C 0	L	TRADOC BATTLE COLUMB
ECADP-B-001	SOFTWARE DEVELOPMENT	4 R414	2011	2310	0 7 C 0	H	USEUCOM PRC
DELSW-D-002	SOFTWARE ENGINEERING TECHNICAL ASSISTANCE	4 R414	2206	2509	0 6 H 0	H	DARCOM BDM CORP
ORCEM-D-005	SOFTWARE FOR AUTOMATIC TEST PROG GENERAT	3 R413	2409	2409	P 4 A R	L	DARCOM TO BE DETERMINED
ORCEM-D-004	SOFTWARE PRODUCTIVITY TOOLS FOR ATLAS TE	3 R412	2403	2403	P 4 A R	L	DARCOM TO BE DETERMINED
ORSEL-E-001	SOFTWARE QUALITY ASSURANCE	1 R408	2309	2409	P 4 E 2	L	DARCOM TO BE DETERMINED
ORSEL-E-005	SOFTWARE SECURITY	4 R414	2405	2611	P 5 D R	L	DARCOM TO BE DETERMINED
ORCEM-D-004	SOFTWARE SERVICES FOR FAIDS PROGRAM	3 R413	2307	2710	0 6 C 0	H	DARCOM TELOC COMPUTING
ORCEM-D-043	SOFTWARE SUPPORT FOR AFATDS	3 R413	2305	2403	0 6 C R	M	DARCOM TELOC COMPUTING
DAVAA-I-007	SOFTWARE SUPPORT FOR BATTLEFIELD AUTOPAT	1 R408	2309	2412	P 1 C 0	H	DARCOM TO BE DETERMINED
ORSTA-C-027	SPECS, STANDARDS, SPEC SUPPLEMENTS, EXGI	4 R414	2409	2409	0 1 E 0	H	DARCOM BARNES/REINECKE
DALCC-D-001	SPERRY UNIVAC CONSULTING SERVICES	1 R408	2306	2506	0 1 D 0	L	DCSLOG SPERRY CORP
ORSTA-C-028	STANDARDIZATION	3 R412	2403	2403	0 1 C 0	H	DARCOM BARNES/REINECKE
ORSTA-C-107	STE/ICE	4 R414	2210	2210	C 1 C 0	M	DARCOM RCA CORP
ORSTA-C-025	STE/ICE, M1 TRAINERS & TRAINING DEVICES	4 R414	2201	2501	0 1 E 0	L	DARCOM RCA CORP
ORSTA-D-125	STS FOR 1/4, 2 1/2, AND 5-TON TRUCK SERI	4 R414	2201	2501	0 1 E 0	M	DARCOM AM GENERAL
ORSTA-D-102	STS FOR 1/4-TON TRUCK SERIES	4 R414	2201	2501	0 1 E 0	M	DARCOM AM GENERAL
ORSTA-D-101	STS FOR 2 1/2-TON TRUCK SERIES	4 R414	2201	2501	0 1 E 0	M	DARCOM AM GENERAL

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FY 84 MANAGEMENT SUPPORT SERVICES BY TITLE
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N	U	I	T	S	U	S	FC	S	T	A	P	R	E	S	P	E	
M																	
8																	
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R																	
ORCPH-A-001																	TO BE DETERMINED
ORCAV-D-002																	TO BE DETERMINED
ORSEL-E-031																	TO BE DETERMINED
ORSTA-D-145																	PECO ENT
ORPCP-C-001																	SCI APPLIC INC
USACC-C-010																	COMP SCI CORP
AAPPH-D-001																	TO BE DETERMINED
DRSMI-D-003																	TO BE DETERMINED
DRSMI-D-012																	TO BE DETERMINED
DRSMI-E-011																	TO BE DETERMINED
DRSMI-E-10																	TO BE DETERMINED
DRSMI-P-003																	TO BE DETERMINED
DRSMI-P-004																	TO BE DETERMINED
ORCPH-C-001																	SEMCOR, INC
ORCPH-E-047																	TO BE DETERMINED
ORSEL-E-017																	TO BE DETERMINED
ORSEL-E-038																	TO BE DETERMINED
USACC-D-005																	COMP SCI CORP
USACC-D-009																	TO BE DETERMINED
ORSEL-C-005																	MCNEVELL, INC
ORSTA-D-120																	MASCHINENFARRIK

SEE INSIDE BACK COVER FOR KEY TO SYMBOLS

FY 84 MANAGEMENT SUPPORT SERVICES BY TITLE
1 OCTOBER 1983

SYMBOL	DESCRIPTION	QTY	UNIT	PRICE	TOTAL	STATUS	AGENCY	DATE	REMARKS
DRCPM-D-004	TESS (TACTICAL ENGAGEMENT SIMULATION SYS	7	R4C2	8302 8312	0 1 C R L	DARCOM	BDM CORP		
DRSEL-E-100	TEST PROGRAM SET MAINT	6	R417		P 1 C 0 H	DARCOM	TO BE DETERMINED		
DRSEL-D-099	TEST PROGRAM SET SERVICES	6	R417		P 1 C 0 M	DARCOM	TO BE DETERMINED		
ATICS-E-003	TESTING OF SOLDIER'S ABILITY TO PERFORM	1	R408	8409	P 1 B 0 L	TRADOC	TO BE DETERMINED		
CSSCC-A-002	THEATER NUCLEAR FORCE CPO, CONTROL AND CC	4	R414	8105 8512	C 1 A C H	LSEUCOM	PENNSA GROUP		
DRSEL-E-105	TNG FOR DEPT PERSONNEL KY-RP3/GSC	6	R417	8411	P 5 B 0 L	DARCOM	TO BE DETERMINED		
DACAC-E-007	TOTAL ARMY COSTING (TAC)	9	R499	8510	P 7 A 0 M	COA	TO BE DETERMINED		
DRSTA-C-108	TCW	4	R414	8210	0 1 C 0 H	DARCOM	NORTHROP CORP		
SELEM-E-118	TPS (TEST PROGRAM SETS) PROGRAM SUPPORT	1	R408	8406 8509	P 4 C 0 L	DARCOM	TO BE DETERMINED		
DRSEL-E-098	TPS COST-EFFECTIVENESS MODEL	6	R417		F 1 A 0 L	DARCOM	TO BE DETERMINED		
DRSTA-D-008	TRACK TECHNOLOGY	4	R414	8309 8411	0 5 D R L	DARCOM	VA POLYTECH		
DRSTA-E-009	TRACK TECHNOLOGY - PINE RESISTANT TRACK	4	R414	8312 8412	P 5 D R L	DARCOM	TO BE DETERMINED		
DRCPM-C-007	TRAINING DEVICE MATERIEL COMPUTER SYSTEM	1	R408	8310 8509	C 7 C 0 M	DARCOM	COMP SCI CORP		
DRSEL-E-015	TRAINING FOR ADA LAAGLARE (ADA TECH ED)	5	R415	8401 8409	D 5 D R L	DARCOM	JERSEY CITY COL		
ATTGC-E-001	TRAINING FOR EVALUATION	3	R499	8508	P 1 D 0 L	TRADOC	TC 6E DETERMINED		
DRSEL-E-108	TRAINING NEEDS ASSESSMENT	1	R408	8211 8402	P 1 C 0 L	DARCOM	TO BE DETERMINED		
DRCPM-D-010	LP-60 PART TASK TRAINER	6	R417	8304 8501	0 7 C 0 L	DARCOM	TRIAD MICROSYS		
DRCPM-D-071	UNATTENDED EARTH TERMINAL	1	R408	8205 8312	P 7 C R M	DARCOM	TO BE DETERMINED		
ORDAV-E-008	UPDATE MIL SPEC (MIL-S-8698) FOR MODERN	3	R413	8402 8509	P 4 C 0 M	DARCOM	TO BE DETERMINED		
ORDAV-C-007	UPDATE MIL STANDARDS (MIL-H-8501A)-HELIC	3	R413	8208 8509	0 4 D 0 M	DARCOM	ARVIN INC		
ORDAV-E-003	UPDATE MIL-PAM (AMCP-706-201)	3	R413	8402 8408	P 4 D 0 L	DARCOM	TO BE DETERMINED		

SEE INSIDE BACK COVER FOR KEY TO SYMBOLS

1 OCT 1968 1987

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SYMBOLS

SYMBOL	ARMY GOAL
1	Readiness
2	Human
3	Leadership
4	Materiel
5	Future Development
6	Strategic Deplm.
7	Management

SYMBOL	PAYBACK
SHORT-TERM	0 - 2 years
MID-TERM	2 - 10 years
LONG-TERM	10 - 20 years

SYMBOL	SUBCATEGORIES
1	Program Mgt. Support
2	Policy Rev. and Dev.
3	Specification Dev.
4	Systems Engineering
5	Tech. Sharing & Util.
6	Logistic Service Spt.
7	Tech. Data Collection
8	Public Affairs & Advertising
9	Other Mgt. Services

SYMBOL	COMBAT APPLICATION
COMBAT	Combat
CS	Combat Support
CSS	Combat Service Support
OTHER	Other than the above

SYMBOL	STATUS
0	On-going Work on the study has begun.
P	Planned Work not yet started.

SYMBOL	USE
A	New/improved analytical methods
B	Decision alternatives
C	Improved operations, org., or procedures
D	Adv. knowl. or state-of-the-art
E	Validated cur. plans, operations or procedures
F	Results not used

SYMBOL	RESOURCE LEVEL
L	Low \$200,000 and below
M	Medium \$200,001 - \$500,000
H	High above \$500,000

ADDITIONAL COPIES OF THIS DOCUMENT MAY BE OBTAINED FROM:

HQDA
ATTN: DACS-DMO
WASHINGTON, DC 20310

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