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# DEPARTMENT OF THE ARMY

JUSTIFICATION OF ESTIMATES FOR FY 1990/FY 1991 BIENNIAL BUDGET

## SUBMITTED TO CONGRESS

JANUARY 1989



DTIC ELECTED  
3 FEB 1989  
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OTHER PROCUREMENT, ARMY PROGRAMS

AIRCRAFT	MISSILES
AMMUNITION	OTHER
WEAPONS & TRACKED COMBAT VEHICLES	

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DEPARTMENT OF THE ARMY  
OTHER PROCUREMENT, ARMY

JUSTIFICATION OF ESTIMATES FOR FISCAL YEARS 1990/1991 BIENNIAL BUDGET

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OTHER PROCUREMENT, ARMY

Section 1

Budget Appendix Extract

Appropriation Language

Program and Financing Schedule

Accession For	
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**OTHER PROCUREMENT, ARMY**

**APPROPRIATION LANGUAGE**

For construction, procurement, production, and modification of vehicles, including tactical, support, and nontracked combat vehicles; the purchase of not to exceed 168 passenger motor vehicles for replacement only; communications and electronics equipment; other support equipment; spare parts, ordnance, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$4,233,800,000 to remain available for obligation until September 30, 1992, of which \$183,499,000 shall be available only for the Army National Guard and Army Reserve. (K R)

Further, for the foregoing purposes, including the purchase of not to exceed 175 passenger motor vehicles, \$4,282,400,000 of which \$231,005,000 shall be available only for the Army National Guard and the Army Reserve, to become available for obligation on October 1, 1990 and to remain available for obligation until September 30, 1993. (10 U.S.C. 2353, 2361, 3013, 4531-32; Department of Defense Appropriation Act, 1989; additional authorizing legislation to be proposed.)

Other Procurement, Army  
 Program and Financing (in Thousands of dollars) SUMMARY

Identification code	Budget plan (amounts for PROCUREMENT actions programmed)			
	1988 actual	1988 est.	1990 est.	1991 est.
21-2035-0-1-051				
Program by activities:				
Direct program:				
00.0101	812,419	808,603	446,282	840,349
00.0201	3,065,176	2,986,173	2,617,512	2,446,166
00.0301	988,407	865,175	970,006	995,865
	4,846,002	4,659,951	4,233,800	4,282,400
00.9101	312,587	256,200	182,600	182,600
01.0101	5,158,589	4,916,151	4,416,400	4,465,000
10.0001				
Financing:				
Offsetting collections from:				
11.0001	-290,934	-231,161	-157,561	-157,561
13.0001	-21,644	-21,462	-21,462	-21,462
14.0001	-9	-3,577	-3,577	-3,577
17.0001				
21.4002	-123,254	-43,100		
21.4003	-79,095	9,400		
21.4007	-9,329	33,700		
22.4001				
24.4002	43,100			
24.4003	43,495			
25.0001	4,720,919	4,659,951	4,233,800	4,282,400
39.0001				
Budget authority				
	5,093,549	4,568,011	4,233,800	4,282,400
40.0001		-1,403		
40.0004	-106,893			
40.0017	-277,120	-18,000		
41.0001	11,383	111,343		
42.0001				
43.0001	4,720,919	4,659,951	4,233,800	4,282,400
Relation of obligations to outlays:				
71.0001				
72.4001				
74.4001				
77.0001				
78.0001				
90.0001				

Other Procurement, Army  
Program and Financing (in thousands of dollars) SUMMARY

Identification code	21-2035-0-1-051			
	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:				
Direct program:				
00.0101	863,179	716,145	405,177	795,193
00.0201	2,054,914	3,730,037	2,999,263	2,549,245
00.0301	1,246,349	991,077	996,590	978,217
	4,164,442	5,437,259	4,401,030	4,322,655
01.0101	338,253	286,629	162,600	182,600
10.0001	4,502,695	5,724,088	4,643,630	4,505,255
Financing:				
Offsetting collections from:				
11.0001	-281,915	-231,161	-157,561	-157,561
13.0001	-19,367	-21,462	-21,462	-21,462
14.0001	39	-3,577	-3,577	-3,577
17.0001	-382,122			
21.4002	-1,453,086	-2,400,662	-1,602,125	-1,374,895
21.4003	-123,254	-43,100		
21.4007	-9,329	33,700		
22.4001	2,400,662	1,602,125	1,374,895	1,334,640
24.4002	43,100			
24.4003	43,495			
25.0001	4,720,919	4,659,951	4,233,800	4,282,400
39.0001				
Budget authority:				
40.0001	5,093,549	4,568,011	4,233,800	4,282,400
40.0004		-1,403		
40.0017	-106,893			
41.0001	-277,120	-18,000		
42.0001	11,363	111,343		
43.0001	4,720,919	4,659,951	4,233,800	4,282,400
Relation of obligations to outlays:				
71.0001	4,201,452	5,467,898	4,461,030	4,322,655
72.4001	8,385,320	7,845,208	8,682,896	8,590,828
74.4001	-7,845,208	-8,682,896	-8,590,828	-8,582,781
77.0001	-26,454			
78.0001	-362,122			
90.0001	4,332,989	4,630,200	4,553,100	4,330,700

Other Procurement, Army  
Object Classification (in Thousands of dollars) SUMMARY

Identification code	21-2036-0-1-051	1988 actual	1989 est.	1990 est.	1991 est.
Direct obligations:					
Other services:					
125.004 Other		880,858	763,805	734,274	736,161
126.001 Supplies and materials		131,614	179,555	172,612	173,056
131.001 Equipment		3,151,970	4,403,899	3,554,144	3,413,438
		4,164,442	5,437,259	4,461,030	4,322,655
199.001 Total Direct obligations					
Reimbursable obligations:					
Other services:					
225.004 Other		71,547	47,824	47,824	47,824
226.001 Supplies and materials		10,690	11,268	11,268	11,268
231.001 Equipment		256,016	227,737	123,508	123,508
		338,253	286,829	182,600	182,600
299.001 Total Reimbursable obligations					
999.901 Total obligations		4,502,695	5,724,088	4,643,630	4,505,255



Other Procurement, Army  
 Program and Financing (in Thousands of dollars) FISCAL YEAR 1986

Identification code	21-2035-0-1-051	Obligations		
		1988 actual	1989 est.	1990 est.
<b>Program by activities:</b>				
Direct program:				
00.0101	Tactical and support vehicles	63,965		
00.0201	Communications and electronics equipment	273,787		
00.0301	Other support equipment	339,073		
		676,825		
00.9101	Total direct program	14,176		
01.0101	Reimbursable program	691,001		
10.0001	Total			
Financing:				
Offsetting collections from:				
11.0001	Federal funds(-)	1,067		
13.0001	Trust funds(-)	1,573		
14.0001	Non-Federal sources(-)	28		
17.0001	Recovery of prior year obligations	-267,134		
21.4002	Unobligated balance available, start of year:			
	For completion of prior year budget plans	-453,131		
21.4003	Available to finance new budget plans	-41,300		
21.4007	Reprogramming from/to prior year budget plans	-16,900		
22.4001	Unobligated balance transferred to other accounts	43,495		
25.0001	Unobligated balance lapsing			
40.0017	Budget authority (Appropriation rescinded) (	-41,300		

Other Procurement, Army  
 Program and Financing (in Thousands of dollars) FISCAL YEAR 1987

Identification code	21-2035-0-1-051	Budget Plan (amounts for PROCUREMENT actions programed)		
		1988 actual	1989 est.	1990 est.
Program by activities:				
Direct program:				
00.0101				
00.0201				
00.0301				
00.9101				
01.0101				
10.0001				
Financing:				
Offsetting collections from:				
11.0001				
13.0001				
14.0001				
17.0001				
21.4002				
21.4003				
21.4007				
22.4001				
24.4002				
24.4003				
40.0017				

Other Procurement, Army  
 Program and Financing (in Thousands of dollars) FISCAL YEAR 1987  
 Obligations

Identification code	21-2035-0-1-051	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:					
Direct program:					
00.0101	Tactical and support vehicles	82,643	30,155		
00.0201	Communications and electronics equipment	345,715	153,317		
00.0301	Other support equipment	275,986	133,232		
00.9101	Total direct program	704,344	316,704		
01.0101	Reimbursable program	33,211	8,908		
10.0001	Total	737,555	325,612		
Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)	7,952			
13.0001	Trust funds(-)	704			
14.0001	Non-Federal sources(-)	20			
17.0001	Recovery of prior year obligations	-114,988			
21.4002	Unobligated balance available, start of year:				
	For completion of prior year budget plans		-325,612		
21.4003	Available to finance new budget plans	-99,955			
21.4007	Reprogramming from/to prior year budget plans	-81,954			
22.4001	Unobligated balance transferred to other accounts	16,361	43,100		
24.4002	Unobligated balance available, end of year:				
	For completion of prior year budget plans	325,612			
24.4003	Available to finance subsequent year budget plans	43,100			
40.0017	Budget authority (Appropriation rescinded) (	-65,593			

Other Procurement, Army  
 Program and Financing (in thousands of dollars) FISCAL YEAR 1988

Identification code	21-2035-0-1-051	Budget plan (amounts for PROCUREMENT actions programed)		
		1988 actual	1989 est.	1990 est. 1991 est.
<b>Program by activities:</b>				
<b>Direct program:</b>				
00.0101	Tactical and support vehicles	812,419		
00.0201	Communications and electronics equipment	3,065,176		
00.0301	Other support equipment	988,407		
00.9101	Total direct program	4,846,002		
01.0101	Reimbursable program	312,587		
10.0001	Total	5,158,589		
<b>Financing:</b>				
Offsetting collections from:				
11.0001	Federal funds(-)	-290,934		
13.0001	Trust funds(-)	-21,644		
14.0001	Non-Federal sources(-)	-9		
21.4002	Unobligated balance available, start of year: For completion of prior year budget plans	-9,400	9,400	
21.4007	Reprogramming from/to prior year budget plans	-8,790	-9,400	
22.4001	Unobligated balance transferred from other accounts (-)			
22.4001	Unobligated balance available, end of year:			
24.4002	For completion of prior year budget plans			
39.0001	Budget authority	4,827,812		
<b>Budget authority:</b>				
40.0001	Appropriation	5,093,549		
41.0001	Transferred to other accounts(-)	-277,120		
42.0001	Transferred from other accounts	11,383		
43.0001	Appropriation (adjusted)	4,827,812		

Other Procurement, Army  
 Program and Financing (in Thousands of dollars) FISCAL YEAR 1988  
 Obligations

Identification code	21-2035-0-1-051	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:					
Direct program:					
00.0101	Tactical and support vehicles	716,571	78,575	17,273	
00.0201	Communications and electronics equipment	1,435,412	1,171,442	458,322	
00.0301	Other support equipment	631,290	193,817	143,300	
00.9101	Total direct program	2,783,273	1,443,834	618,895	
01.0101	Reimbursable program	290,866	21,721		
10.0001	Total	3,074,139	1,465,555	618,895	
Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)	-290,934			
13.0001	Trust funds(-)	-21,644			
14.0001	Non-Federal sources(-)	-9			
21.4002	Unobligated balance available, start of year:		-2,075,050	-618,895	
21.4007	For completion of prior year budget plans				
22.4001	Reprogramming from/to prior year budget plans	-8,790	-9,400		
24.4002	Unobligated balance transferred from other accounts (-)				
	Unobligated balance available, end of year:				
	For completion of prior year budget plans	2,075,050	618,895		
39.0001	Budget authority	4,827,812			
Budget authority:					
40.0001	Appropriation	5,093,549			
41.0001	Transferred to other accounts(-)	-277,120			
42.0001	Transferred from other accounts	11,383			
43.0001	Appropriation (adjusted)	4,827,812			

Other Procurement, Army  
 Program and Financing (in thousands of dollars) FISCAL YEAR 1989

Identification code	21-2035-0-1-051	Budget plan (amounts for PROCUREMENT actions programed)		
		1988 actual	1989 est.	1990 est.
Program by activities:				
Direct program:				
00.0101			808,603	
00.0201			2,986,173	
00.0301			865,175	
00.9101			4,659,951	
01.0101			256,200	
10.0001			4,916,151	
Financing:				
Offsetting collections from:				
11.0001			-231,161	
13.0001			-21,462	
14.0001			-3,577	
21.4002				
24.4002				
39.0001			4,659,951	
Budget authority:				
40.0001			4,568,011	
40.0004			-1,403	
41.0001			-18,000	
42.0001			111,343	
43.0001			4,659,951	

Other Procurement, Army  
 Program and Financing (in Thousands of dollars) FISCAL YEAR 1989  
 Obligations

Identification code	21-2035-0-1-051	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:					
Direct program:					
00.0101	Tactical and support vehicles		607,415	107,507	93,681
00.0201	Communications and electronics equipment		2,405,278	276,533	304,362
00.0301	Other support equipment		664,028	107,575	93,572
00.9101	Total direct program		3,676,721	491,615	491,615
01.0101	Reimbursable program		256,200		
10.0001	Total		3,932,921	491,615	491,615
Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)		-231,161		
13.0001	Trust funds(-)		-21,462		
14.0001	Non-Federal sources(-)		-3,577		
21.4002	Unobligated balance available, start of year: For completion of prior year budget plans			-983,230	-491,615
24.4002	Unobligated balance available, end of year: For completion of prior year budget plans		983,230	491,615	
39.0001	Budget authority		4,659,951		
Budget authority:					
40.0001	Appropriation		4,568,011		
40.0004	Reduction pursuant to P.L. 100-463		-1,403		
41.0001	Transferred to other accounts(-)		-18,000		
42.0001	Transferred from other accounts		111,343		
43.0001	Appropriation (adjusted)		4,659,951		

Other Procurement, Army  
 Program and Financing (in Thousands of dollars) FISCAL YEAR 1980

Identification code	21-2035-0-1-051	Budget plan (amounts for PROCUREMENT actions programmed)		
		1988 actual	1989 est.	1990 est. 1991 est.
Program by activities:				
Direct program:				
00.0101	Tactical and support vehicles		446,282	
00.0201	Communications and electronics equipment		2,817,512	
00.0301	Other support equipment		970,006	
00.9101	Total direct program		4,233,800	
01.0101	Reimbursable program		182,600	
10.0001	Total		4,416,400	
Financing:				
Offsetting collections from:				
11.0001	Federal funds(-)		-157,561	
13.0001	Trust funds(-)		-21,462	
14.0001	Non-Federal sources(-)		-3,577	
21.4002	Unobligated balance available, start of year; For completion of prior year budget plans			
24.4002	Unobligated balance available, end of year; For completion of prior year budget plans			
40.0001	Budget authority (Appropriation)		4,233,800	

Other Procurement, Army  
 Program and Financing (in Thousands of dollars) FISCAL YEAR 1990  
 Obligations

Identification code	21-2035-0-1-051	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:					
Direct program:					
00.0101	Tactical and support vehicles			340,397	56,529
00.0201	Communications and electronics equipment			2,284,408	265,364
00.0301	Other support equipment			745,715	119,747
00.9101	Total direct program			3,350,520	441,640
01.0101	Reimbursable program			182,600	
10.0001	Total			3,533,120	441,640
Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)			-157,561	
13.0001	Trust funds(-)			-21,462	
14.0001	Non-Federal sources(-)			-3,577	
21.4002	Unobligated balance available, start of year: For completion of prior year budget plans			883,280	-883,280
24.4002	Unobligated balance available, end of year: For completion of prior year budget plans				441,640
40.0001	Budget authority (Appropriation)			4,233,800	

Other Procurement, Army  
 Program and Financing (in Thousands of dollars) FISCAL YEAR 1991

		Budget Plan (amounts for PROCUREMENT actions programmed)			
		1988 actual	1989 est.	1990 est.	1991 est.
Identification code 21-2035-0-1-051					
Program by activities:					
Direct program:					
00.0101	Tactical and support vehicles				840,349
00.0201	Communications and electronics equipment				2,448,186
00.0301	Other support equipment				995,865
					4,282,400
00.9101	Total direct program				182,600
01.0101	Reimbursable program				4,465,000
10.0001	Total				
Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)				-157,561
13.0001	Trust funds(-)				-21,482
14.0001	Non-Federal sources(-)				-3,577
24.4002	Unobligated balance available, end of year: For completion of prior year budget plans				4,282,400
40.0001	Budget authority (Appropriation)				

Other Procurement, Army  
 Program and Financing (in Thousands of dollars) FISCAL YEAR 1991  
 Obligations

Identification code	21-2035-0-1-051	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:					
Direct program:					
00.0101	Tactical and support vehicles				644,983
00.0201	Communications and electronics equipment				1,979,519
00.0301	Other support equipment				764,898
00.9101	Total direct program				3,389,400
01.0101	Reimbursable program				182,600
10.0001	Total				3,572,000
Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)				-157,561
13.0001	Trust funds(-)				-21,462
14.0001	Non-federal sources(-)				-3,577
24.4002	Unobligated balance available, end of year: For completion of prior year budget plans				893,000
40.0001	Budget authority (Appropriation)				4,282,400

**OTHER PROCUREMENT, ARMY**

**Section 2**

**Budget Activity Justification**

- Activity 1 - Tactical and Support Vehicles**
- Activity 2 - Communications and Electronics Equipment**
- Activity 3 - Other Support Equipment**

Department of the Army  
 Annual Budget Estimates  
 JUSTIFICATION

Appropriation  
 FY 1990/1991  
 Budget

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OTHER PROCUREMENT, ARMY

Program or Budget Project Account (Thousands of Dollars)

Activity 1 - TACTICAL AND SUPPORT VEHICLES Direct Budget Plan	Actual FY 1988	Estimate FY 1989	Estimate FY 1990	Estimate FY 1991
	812,419	808,603	446,282	840,349

Section 1 - PURPOSE AND SCOPE

The funds provide for the procurement and manufacture of tactical and non-tactical vehicles and associated equipment. The tactical vehicles are of the type normally used by operations and support forces, and include prime movers and general purpose vehicles usually equipped with multi-wheel drive to satisfy cross country mobility needs. The non-tactical vehicles are of the administrative type which are generally equipped with two-wheel drive and are commercial in nature; included are such items as sedans, pickup trucks, carryalls and special purpose vehicles.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Tactical Vehicles - (P-1 Line Item Nos. 1 - 20)

	(\$ in Thousands)
FY 1990	FY 1991
373,322	740,328

This category includes trucks, trailers, semitrailers, dolly sets and chassis designed for tactical use. The major vehicles in the FY 1990 budget request include 8,517 High Mobility Multi-purpose Wheeled Vehicles(HMMWVs), 112 Family of Heavy Tactical Vehicles, and 192 Small Unit Support Vehicles(SUSVs). The major vehicles in the FY 1991 budget request include 9,484 HMMWVs, 644 Family of Medium Tactical Vehicles, 194 SUSVs, and 789 Family of Heavy Tactical Vehicles(FHTVs). The FY 1990 program funds the first year of our five year multiyear contract for the FHTV. These vehicles are the key transportation component of a more efficient, productive Corps ammunition distribution system which will provide movement of increased critical ammunition supplies with reduced manpower, materiel handling equipment and vehicles. The program continues in FY 1991. FY 1990 provides Army funding for the Heavy Equipment Transporter required to haul effectively and safely the 70 Ton M1A1 Main Battle Tank. This program was funded in prior years with Host Nation Support and USMC funds. The program continues in FY 1991. FY 1991 program funds the first year of our five year multiyear contract for the Family of Medium Tactical Vehicles. These state of-the-art vehicles are required to fill existing 5 ton truck shortfalls and will be operated throughout the Army as workhorse multi-purpose transportation and unit mobility vehicles by combat, combat support and combat service support units. The FY 1990 and FY 1991 program for the HMMWV funds the second and third of our five year multiyear contract.

Non-Tactical Vehicles - (P-1 Line Item Nos. 21 - 25)

	(\$ in Thousands)
FY 1990	FY 1991
14,729	14,964

This category includes three sub-categories of administrative type vehicles: Passenger Carrying Vehicles(sedans, station wagons, buses, and ambulances); General Purpose Vehicles(trucks, trailers, and semitrailers); Special Purpose Vehicles (maintenance, refuse and construction trucks). The FY 1990 program will provide for replacement of 168 Passenger Carrying Vehicles and the FY 1991 program will provide for replacement of 175 Passenger Carrying Vehicles.

Support Equipment and Facilities - (P-1 Line Item Nos. 26 and 27)

	(\$ in Thousands)
FY 1990	FY 1991
58,231	85,057

This category includes spare parts for tactical and support vehicles. The requirement includes spare engines, transmissions, transfer cases and axles to support newly fielded and existing tactical vehicles.

Department of the Army Annual Budget Estimates JUSTIFICATION	Appropriation	FY 1990/1991 Budget
	OTHER PROCUREMENT, ARMY	

(Thousands of Dollars)

Program or Budget Project Account	Actual FY 1988	Estimate FY 1989	Estimate FY 1990	Estimate FY 1991
ACTIVITY 2 - COMMUNICATIONS & ELECTRONICS EQUIP Direct Budget Plan	3,065,176	2,986,173	2,817,512	2,446,186

Section 1 - PURPOSE AND SCOPE

These funds procure and modify tactical and non-tactical electronics equipment for satellite communication, net radios, area coverage, combat and strategic communications and companion security equipment. Funds also provide for intelligence activity - imagery and signal intelligence processing equipment and electronic warfare. In addition, funds are for night vision, target acquisition, command and control and automation equipment. Associated initial spares and required replenishment spare parts are also funded.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Telecommunications Equipment (P-1 Line Nos. 28-24)  
(\$ in Thousands)  
FY 1990 1,673,013      FY 1991 1,075,081

The budget request provides for essential equipment and modernization necessary to support Army and Joint Service communication requirements, both tactical and strategic. Two primary programs funded in this budget activity are Mobile Subscriber Equipment (MSE) and the Single Channel Ground and Airborne Radio System (SINGARS). Procurement of MSE, which will be completed with the FY 1991 funds, is to be fielded at the corps and division levels. This equipment enables commanders to exercise command and control functions for both stationary command posts and mobile platforms. It provides a secure telephone network for both voice and data in support of the Army's integrated battlefield. SINGARS is the next generation VHF-FM portable radio, featuring a frequency-hopping mode, and a jam-resistant capability in addition to improved reliability and supportability. Other systems being funded are; the Single Channel Objective Tactical Terminal (SCOTT), base communication equipment, and site preparation required to install information systems. Funds will also be used for test, measurement and diagnostic equipment in support of communications and electronics equipment now being fielded.

Other Electronic Systems and Equipment (P-1 Line Nos. 95-177)  
(\$ in Thousands)  
FY 1990 1,144,499      FY 1991 1,371,105

The budget request provides electronics equipment required in support of tactical intelligence and electronic war fighting capabilities. Enhances target acquisition, surveillance, and modernizes the essential automated data processing and command and control systems. The intelligence support area will continue the procurement of the All Source Analysis System (ASAS) and the General Defense Intelligence Program (GDIP). This budget activity contains thirty four budget lines to support various automated data processing applications including the Forward Area Air Defense Command and Control (FAAD C2) and the Ground Base Sensor (FAAD GBS); the Army Data Distribution System (ADDS), a secure data communication system integrated with identification, navigation and position reporting systems; and various non-tactical automation systems like medical, personnel, training and logistic systems. The tactical electronics programs include NAVSTAR user equipment and night vision aides -- goggles, aiming light and individual weapon sights. The request also includes funds for initial provisioning, replenishment, and war reserve spare parts in support of communications and electronics equipment.

Department of the Army Annual Budget Estimates JUSTIFICATION	Appropriation	FY 1990/1991 Budget
<u>OTHER PROCUREMENT, ARMY</u>		

(Thousands of Dollars)

Program or Budget Project Account

	Actual	Estimate	Estimate	Estimate
<u>Activity 3 - OTHER SUPPORT EQUIPMENT</u>				
Direct Budget Plan	FY 1988 968,407	FY 1989 865,175	FY 1990 970,006	FY 1991 995,865

Section 1 - PURPOSE AND SCOPE

These funds provide for the procurement, manufacture, and conversion of chemical defensive, bridging, engineer (non-construction), combat service support, petroleum water, medical, maintenance, construction, rail, float, containerization, generators, materiel handling, and other support equipment. The funds also provide for initial and replenishment spares and production base support associated with items in this budget activity.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

<u>Chemical Defensive Equipment (P-1 Line Item Nos. 178-185)</u>	(\$ in Thousands)
	FY 1990 117,903
	FY 1991 163,627

This category includes chemical-biological individual and collective protection, detection and warning, and decontamination equipment. These funds will continue procurement of the new XM40 series mask, collective protective equipment, the chemical agent monitor, and a lightweight decontamination apparatus necessary for U.S. forces to operate in a chemical environment.

Bridging Equipment (P-1 Line Item Nos. 186-189)

(\$ in Thousands)  
FY 1990 \_\_\_\_\_ FY 1991 \_\_\_\_\_  
4,725                      33,249

The FY 1990 program will be used to procure the Light Assault Bridge (LAB) and cargo pallets for the Ribbon Bridge system. FY 1991 initiates procurement of the Heavy Assault Bridge and provides continuous funding for the LAB and cargo pallets for the Ribbon Bridge system.

Engineer (Non-Construction) Equipment (P-1 Line Item Nos. 190-200)

(\$ in Thousands)  
FY 1990 \_\_\_\_\_ FY 1991 \_\_\_\_\_  
72,729                      86,405

This category provides funding for mine/countermine equipment and the Armored Combat Earthmover (ACE). The FY 1990/1991 program continues procurement of the ACE which is required by combat engineers to provide essential support to the combat units. FY 1991 starts procurement of the Tactical Explosive System (TEXS) and the Vehicle Magnetic Signature Duplicator.

Combat Service Support Equipment (P-1 Line Item Nos. 201-211)

(\$ in Thousands)  
FY 1990 \_\_\_\_\_ FY 1991 \_\_\_\_\_  
20,378                      33,758

This category provides for the acquisition of various combat support equipment items. The FY 1990 programs include various size/capacity air conditioners required to support major systems such as aviation maintenance shops, missile systems and communications and electronics shops. Also included are continuing programs for firetrucks, diving equipment, heaters, trailer mounted laundry units and the Mobile Field Kitchen. Equipment procured in this category must operate in field environments in all weather conditions.

Petroleum Equipment (P-1 Line Item Nos. 212-219)

(\$ in Thousands)	
FY 1990	FY 1991
51,389	78,128

This category includes equipment necessary for the storage and distribution of fuel. The FY 1990/1991 program provides for the continued acquisition of the 10,000 and 50,000 gallon fabric collapsible tanks to be used at fuel system supply points and for bulk petroleum storage. FY 1990/1991 programs continue procurement of the SWA Petroleum Distribution System, which includes bulk storage tanks, hoses, pumps, and mooring systems required to support the Army's mission of distributing bulk petroleum to all Central Command (CENTCOM) land-based forces; petroleum laboratories used in quality surveillance of fuels; and tank and pump units used to refuel ground units in any area of operation.

Water Equipment (P-1 Line Item Nos. 220-225)

(\$ in Thousands)	
FY 1990	FY 1991
18,433	24,996

This category includes water support equipment required to provide a capability for production, purification, storage and distribution of water. The FY 1990/1991 programs continue to provide for the acquisition of the equipment in support of the long-range Phase II water equipment procurement program to support the Central Command (CENTCOM) and modernization of the total Army's water support capability. In order to provide purification capability, programs continue for the 3,000 gallon per hour reverse osmosis water purification units (ROWFU). The FY 1990/1991 program also includes procurement of the 3,000 gallon fabric tank for water storage following purification.

(\$ in Thousands)  
 FY 1990 127,948  
 FY 1991 129,748

Medical Equipment (P-1 Line Item Nos. 226-227)

Medical equipment funding provides for the procurement of equipment to support both Army fixed medical activities and field medical units worldwide. This category finances the acquisition of medical care support equipment needed to support Army fixed medical activities. It provides for the initial equipping of approved major medical MCA construction and renovation/modernization projects; the replacement of uneconomically repairable and obsolete equipment; the acquisition of new technologies essential to modern health care; and equipment for drug abuse testing laboratories, environmental pollution monitoring, and clinical investigation of significant health care problems. This category also procures medical equipment for the initial issue to new or existing tactical field medical units in the approved force structure; procurement of field medical equipment to be placed in FOMUS; and the acquisition of field medical investment equipment to replace worn out, obsolete or uneconomically repairable equipment. Programmed funds will equip and modernize the field medical force, hospitals, and other medical field units. This addresses serious Army equipment shortages which prevent meeting field medical support missions. Many of the items being procured for field medical units are the same as items being procured by other services as a result of the current Quad Services Standardization Program. In addition, this category funds electrical generator/environmental control systems, one- and two-sided expandable tactical shelters, and two- and eight-section extendable, modular, personnel (TEMPER) tents for use by Army Combat Zone Hospitals.

(\$ in Thousands)  
 FY 1990 11,884  
 FY 1991 9,684

Maintenance Equipment (P-1 Line Item Nos. 228-232)

This category includes numerous types of maintenance equipment necessary to perform maintenance on all equipment in the field. Examples include welding shops, repair shops and tool sets. FY 1990 funds will provide for the procurement of the Trailer Mounted Welding Shop. The FY 1990/1991 program will increase the readiness of maintenance units in the Army, and directly enhances readiness of our combat forces.

Construction Equipment (P-1 Line Item Nos. 233-235)

(\$ in Thousands)	
FY 1990	5,051
FY 1991	21,676

The FY 1990/1991 funds requested will continue the standardization program of Construction Equipment with procurement of the Small Replacement Excavator (SEE) utilizing a skip year in FY 1990. In addition, the FY 1990/1991 funds will provide for various types of construction equipment required to fill shortages of active and reserve component units.

Rail. Float. Containerization (P-1 Line Item Nos. 236-241)

(\$ in Thousands)	
FY 1990	1,812
FY 1991	7,678

This category provides for procurement of watercraft to meet the Logistics-Over-The-Shore (LOTS) movement of tonnage in support of Central Command (CENTCOM). The FY 1990 programs include funds for causeways required to ferry cargo from ships to fixed pier facility in support of LOTS operation.

Generators (P-1 Line Item Nos. 242)

(\$ in Thousands)	
FY 1990	41,931
FY 1991	52,356

These funds are required to provide generators and power units of varying sizes and capacities, primarily designed to provide power sources for electrical lighting and communications and computer systems for a variety of combat (e.g., missile and weapon systems) and combat support units. The program supports both the acquisition of power sources for combat and combat support equipment currently being acquired and fielded. The FY 1990/1991 programs continue efforts to dieselize the fleet and to provide quiet reliable commercial generators.

Material Handling Equipment (P-1 Line Item Nos. 243-248)

(\$ in Thousands)	
FY 1990	FY 1991
36,424	47,931

These programs are essential to fill shortages created by worn-out, over-aged equipment that degrades readiness. FY 1990/1991 programs continue procurement of the productivity enhancing 6,000 pound Variable Reach forklift, and initiates procurement of the 4,000 and 10,000 pound rough terrain forklifts.

Other Support Equipment (P-1 Line Item Nos. 249-262)

(\$ in Thousands)	
FY 1990	FY 1991
459,399	306,629

This category continues funding in several major areas. It provides for Spare Parts and Production Base Support which support the procurement programs in this Budget Activity; the Host Nation Support (HNS) program which improves our capability to rapidly reinforce Europe in an emergency; funds for procurement of training devices, including such initiatives as procurement of new standardized systems for our ranges, manned simulation systems which can be networked and provide force-on-force collective task training from platoon through Brigade Task Force echelons and laser engagement simulation systems for our new weapon systems. These training devices will directly improve combat soldier readiness in that the individual can be trained on a simulated battlefield and gain the needed experience to fight on a modern battlefield. Funds are also requested for non-centrally managed items (formerly Base Level Commercial Equipment (BCE), Productivity Enhancing Capital Investment Program (PECIP), and Quick Return on Investment Program (QRIP)), with a unit price of \$15,000 and more.

OTHER PROCUREMENT, ARMY

Section 3

Comparison of Programing Requirements and Financing

Comparison of FY 1989 program requirements as reflected in the amended FY 1988/1989 Biennial Budget with FY 1989 program requirements as shown in the FY 1990/1991 Biennial Budget.

Comparison of FY 1989 financing as reflected in the amended FY 1988/1989 Biennial Budget with FY 1989 financing as shown in the FY 1990/1991 Biennial Budget.

Comparison of FY 1988 program requirements as reflected in the amended FY 1988/1989 Biennial Budget with FY 1988 program requirements as shown in the FY 1990/1991 Biennial Budget.

Comparison of FY 1988 financing as reflected in the amended FY 1988/1989 Biennial Budget with FY 1988 financing as shown in the FY 1990/1991 Biennial Budget.

COMPARISON OF FY 1989 PROGRAM REQUIREMENTS  
AS REFLECTED IN THE AMENDED FY 1988/1989 BIENNIAL BUDGET  
WITH THE FY 1989 PROGRAM REQUIREMENTS AS SHOWN  
IN THE FY 1990/1991 BIENNIAL BUDGET  
SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation	FY 1989 Requirements Per Amended FY 1988/1989 Biennial Budget	FY 1989 Requirements Per FY 1990/1991 Biennial Budget	Increase (+) or Decrease (-)
Other Procurement, Army			
Activity 1 - Tactical and Support Vehicles	895,671	808,603	-87,068
Activity 2 - Communications and Electronics Equipment	2,981,181	2,986,173	+4,992
Activity 3 - Other Support Equipment	897,148	865,175	-31,973
TOTAL	4,774,000	4,659,951	-114,049

EXPLANATION BY ACTIVITY

Activity 1 - Tactical and Support Vehicles - The decrease is due to Congressional action on Motorcycle (-\$4,271), Heavy Equipment Transport (-\$46,489), and spares (-\$33,000) programs, a general reduction (-\$400) and reprogramming of inflation savings (-\$2,908).

Activity 2 - Communications and Electronics Equipment - The net decrease is due to Congressional action on TRI-TAC (-\$5,731), SINGARS (-\$29,300), Vehicular Intercom (+\$10,000), SCOTR (-\$18,600), Battlefield Electronics COEI (-\$11,903), Tactical Electronic Surveillance System (-\$13,980), General Defense Intelligence (+\$3,740), ADPE (-\$36,856), Night Vision Goggles (+\$83,000), SOF (+\$108,000), SOF Radar (-\$37,860), and Spares (-\$19,403) programs, Special Programs (-\$14,000), a general reduction (-\$500) and reprogramming of inflation savings (-\$12,000) and Environmental Restoration (+\$385).

Activity 3 - Support Equipment - The net decrease is due to Congressional action on Combat Support Equipment (-\$10,979), Field Kitchen (-\$1,978) Productivity (-\$13,379), Simulation Network (+\$15,000) Non Centrally Manager Items (-\$20,000), a general reduction ((-\$503) and reprogramming of inflation savings (-\$3,092) and Environmental Restoration (+\$2,958).

COMPARISON OF FY 1989 FINANCING AS REFLECTED  
IN THE AMENDED FY 1988/1989 BIENNIAL BUDGET WITH FY 1989 FINANCING  
AS SHOWN IN FY 1990/1991 BIENNIAL BUDGET

	(In Thousands of Dollars)	
Appropriation	FY 1989	FY 1989
Other Procurement, Army	Financing Per Amended FY 1988/1989 Biennial Budget	Financing Per FY 1990/1991 Biennial Budget Increase (+) or Decrease (-)
Program Requirements (Total)	5,131,700	5,014,951
Program Requirements (Service Account)	(4,774,000)	(4,657,251)
Program Requirements (Reimbursable)	(357,700)	(357,700)
Less:		
Anticipated reimbursements	-357,700	-357,700
Unobligated balance available from prior year to finance new budget plans	-43,100	-43,100
Add:		
Unobligated balance transferred to other accounts	+33,700	+33,700
Reprogramming to prior year budget plans	+9,400	+9,400
BUDGET AUTHORITY	4,774,000	4,657,251
Appropriation		-116,749

**EXPLANATION:**

The adjustments to unobligated balances available from prior year to finance new budget plans resulted from FY 1989 Congressional rescission \$43,100 from the FY 1987 program. The reprogramming to prior year budget plan change resulted from delays in a "Special Programs" classified reprogramming of \$9,400.

The unobligated balance transferred to other accounts adjustment is the net of the aforementioned rescission (\$43,100) and Special Programs reprogramming (\$9,400).

COMPARISON OF FY 1988 PROGRAM REQUIREMENTS  
AS REFLECTED IN THE AMENDED FY 1988/1989 BIENNIAL BUDGET  
WITH THE FY 1988 PROGRAM REQUIREMENTS AS SHOWN  
IN THE FY 1990/1991 BIENNIAL BUDGET  
SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation Other Procurement, Army	FY 1988	FY 1988	FY 1988	FY 1988
	Requirements Per Amended FY 1988/1989 Biennial Budget	Requirements Per FY 1990/1991 Biennial Budget	Requirements Per FY 1988/1989 Biennial Budget	Increase (+) or Decrease (-)
Activity 1 - Tactical and Support Vehicles	844,921	812,419		-32,502
Activity 2 - Communications and Electronics Equipment	3,196,429	3,065,176		-131,253
Activity 3 - Other Support Equipment	<u>1,071,357</u>	<u>968,407</u>		<u>-102,950</u>
TOTAL	5,112,707	4,846,002		-266,705

EXPLANATION BY ACTIVITY

Activity 1 - Tactical and Support Vehicles - The decrease is due to Army reprogramming actions for Military Pay (-\$8,557) and Readiness (-\$23,945).

Activity 2 - Communications and Electronics Equipment - The net decrease is due to Army reprogramming actions for INF Treaty (-\$19,500), Special Programs (+\$25,000), Military Pay (-\$89,528), Readiness (-\$41,525) Super Computers (+\$12,655), Environmental Restoration (+\$335) and denial of sources for Military Pay and Champus reprogrammings and below threshold reprogrammings (-\$18,690).

Activity 3 - Other Support Equipment - The change is due to Army reprogrammings for INF Treaty (-\$9,000), Special Programs (-\$15,600), Champus (-\$2,200), Readiness (-\$30,776) and Military Pay (-\$45,374), Environmental Restoration (+\$468) and below threshold reprogrammings (-\$468).

COMPARISON OF FY 1988 FINANCING AS REFLECTED  
IN THE AMENDED FY 1988/1989 BIENNIAL BUDGET WITH FY 1989 FINANCING  
AS SHOWN IN FY 1990/1991 BIENNIAL BUDGET

	(In Thousands of Dollars)		
Appropriation	FY 1988	FY 1988	FY 1988
Other Procurement, Army	Financing Per Amended FY 1988/1989 Biennial Budget	Financing Per FY 1990/1991 Biennial Budget	Increase (+) Or Decrease (-)
Program Requirements (Total)	5,438,007	5,158,589	-279,418
Program Requirements (Service Account)	(5,112,707)	(4,846,002)	(-266,705)
Program Requirements (Reimbursable)	(325,300)	(312,587)	(-12,713)
Less:			
Anticipated reimbursements	-325,800	-312,587	+12,713
Unobligated balance available from prior year to finance new budget plans	-123,254	-123,254	0
Reprogramming from prior year budget plans	+23,860	-79,095	-102,955
Add:			
Unobligated balance transferred to other accounts	-16,289	-9,329	+6,960
Unobligated balance available to finance subsequent year budget plans		+43,100	+43,100
Unobligated balance lapsing		+43,495	+43,495
<b>BUDGET AUTHORITY</b>			
Appropriation	4,997,024	4,720,919	-276,105

**EXPLANATION:**

The reimbursable program (offsetting collection) decreased because orders from customers did not materialize as anticipated. The reprogramming from/to prior year plans was adjusted to reflect FY 1986 reprogramming (-\$1,900), rescission of FY 1987 funds in the FY 1989 Appropriation Act (-\$43,100), FY 1987 SOF modernization reprogramming (-\$5,060), FY 1988 Special Program reprogramming carryover (-\$9,400) and the unobligated FY 1986 balance lapsing of -\$43,495.

The unobligated balance transferred to other accounts change resulted from transfer of +\$1,900 of FY 1986 funds in FY 1988 and delays in approval of the FY 1987 SOF modification (\$5,060) reprogramming.

The unobligated balance available to finance subsequent year budget plans resulted from FY 1989 Congressional rescissions to of \$43,100 from the FY 1987 program.