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DEPARTMENT OF THE ARMY JUSTIFICATION OF ESTIMATES FOR
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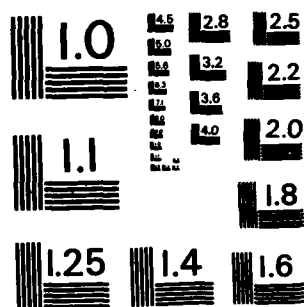
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO. AD-A126 594	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) (in 5 parts) Department of the Army Justification of Estimates for Fiscal Year 1984, Submitted to Congress January 1983, Procurement Programs, Aircraft, Missiles, Weapons & Tracked Cbt Veh., Ammunition & Other Procurement, Army		5. TYPE OF REPORT & PERIOD COVERED Army Procurement Budget Justification, FY 1984
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER
Department of the Army		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS HQDA, Office of the Deputy Chief of Staff for Research, Development, and Acquisition (DAMA-PPP-B) Washington, DC 20310		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS HQDA, Office of the Deputy Chief of Staff for Research, Development, and Acquisition (DAMA-AOA-S) Washington, DC 20310		12. REPORT DATE January 1983
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		13. NUMBER OF PAGES 249 (including all parts)
		15. SECURITY CLASS. (of this report) UNCLASSIFIED
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Army Procurement Programs Budget Justification Book covering Aircraft, Missiles, Weapons and Tracked Combat Vehicles, Ammunition and Other Procurement, Army Appropriations programs submitted by the Army to Congress January 1983 for Fiscal Year 1984.		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) In justification of programs requested, this document, in separate volume for each of the five Procurement Appropriations, provides backup data for the Army Budget submission for FY 1984. Included are Summaries of Requirements, Program and Financing Statements and Selected Data Sheets. (These volumes are unclassified).		

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DEPARTMENT OF THE ARMY
OTHER PROCUREMENT, ARMY

JUSTIFICATION OF ESTIMATES FOR FISCAL YEARS 1984, 1985

<u>TABLE OF CONTENTS</u>	<u>PAGE NO.</u>
Section 1 - Budget Appendix Extract	5-1
Section 2 - Budget Activity Justifications	5-10
Section 3 - Comparison of Program Requirements and Financing	5-22
Appendix - Consultants, Studies and Analyses, and Management Support Contracts	5-27

5-1 January 1983

OTHER PROCUREMENT, ARMY

Section 1

Budget Appendix Extract

Appropriation Language

Program and Financing Schedule

5-1 January 1983

OTHER PROCUREMENT ARMY

For construction, procurement, production, ~~upgrade~~ and modification of vehicles, including tactical, support (including not to exceed (7) 30 vehicles required for physical security of personnel notwithstanding price limitations applicable to passenger carrying vehicles but not to exceed (\$100,000) \$125,000 per vehicle), and nontracked combat vehicles; the purchase of not to exceed (two thousand and twenty-five) two thousand one hundred forty-one passenger motor vehicles for replacement only; communications and electronic 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 therefore, without regard to section 4774, title 10, United States Code, for the foregoing purposes, and such lands and interest therein, may be acquired, and construction prosecuted thereon prior to approval of title as required by section 355, Revised Statutes, as amended; 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: (\$4,123,404,000) \$5,362,870,000 to remain available for obligation until September 30, (1985) 1986. (10 U.S.C. 2353, 2361, 3012, 4531, 4532; Department of Defense Appropriation Act, 1983).

EXPLANATION OF LANGUAGE CHANGES

- (1) To change the number of vehicles required for physical security of personnel authorized for procurement in 1984.
- (2) To change the approved maximum procurement unit cost for vehicles required for physical security which will be procured in 1984.
- (3) To change the number of passenger carrying vehicles authorized for procurement.
- (4) To change the amount of appropriation requested for FY 1984.
- (5) To change the obligation expiration date for the FY 1984 program.

5-2 January 1983

Army

Other Procurement, Army

31 Jan 83

Program and Financing (in thousands of dollars)

Summary

Identification code	21-2035-0-1-05:	Budget plan (amounts for procurement actions programmed)			Obligations			
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.	
Program by activities:								
Direct:								
1.	Tactical and support vehicles	1,015,883	1,229,900	1,148,100	886,863	1,001,238	1,083,708	
2.	Communications and electronics equipment	1,807,830	2,044,004	2,781,205	1,832,444	1,918,422	2,688,344	
3.	Other support equipment	1,083,678	834,700	1,433,968	730,882	1,187,894	1,211,998	
	Total direct	3,707,271	4,108,304	5,362,870	3,122,679	4,674,698	4,982,047	
	Reimbursable program	375,182	388,900	381,500	362,160	432,207	388,908	
10.0001	Total	4,082,453	4,497,204	5,724,370	3,484,839	4,907,162	5,336,958	
Financing:								
Offsetting collections from:								
11.0001	Federal funds	-179,637	-171,800	-137,300	-171,832	-171,800	-137,300	
13.0001	Trust funds	-183,453	-184,100	-224,200	-180,045	-184,100	-224,200	
14.0001	Non-federal sources	-82			-82			
17.0001	Recoveries of prior year obligations(-)				-83,868			
	Unobligated balance available, start of year							
21.4001	For completion of prior year budget plans				-884,184	-1,618,274	-1,678,318	
21.4002	Available to finance new budget plans		-10,900			-10,900		
21.4003	Reprogramming from or to prior year budget plan	-32,373						
23.4001	Unobligated balance transferred to other accounts		10,900			10,900		
	Unobligated balance available, end of year:							
24.4001	For completion of prior year budget plans				1,618,274	1,678,318	1,681,731	
24.4002	Available to finance subsequent year budget plans	10,900			10,900			
		80,573			80,573			
25.0001	Unobligated balance lapsing							
26.0001	Budget authority	3,748,371	4,108,304	5,362,870	3,748,371	4,108,304	5,362,870	
Budget authority:								
40.0001	Appropriation	3,721,871	4,123,404	5,362,870	3,721,871	4,123,404	5,362,870	
40.0002	Reduction pursuant to P.L. 97-377		-7,500			-7,500		
41.0001	Transferred to other accounts(-)	-32,000	-17,100		-32,000	-17,100		
42.0001	Transferred from other accounts	28,200	9,500		28,200	9,500		
43.0001	Appropriation (adjusted)	3,718,171	4,108,304	5,362,870	3,718,171	4,108,304	5,362,870	
50.0001	Reappropriation	28,200			28,200			
Relation of obligations to outlays:								
71.0001	Obligations incurred, net				3,122,473	4,151,862	4,677,488	
72.0001	Obligated balance, start of year				2,945,848	2,982,881	3,188,148	
74.0001	Obligated balance, end of year				-2,880,881	-3,188,148	-3,430,688	
77.0001	Adjustments in expired accounts				28,738			
79.0001	Adjustments in unexpired accounts				-83,868			
80.0001	Outlays				3,027,508	3,962,000	3,706,000	

5-3 January 1983

Army	Other Procurement, Army	31 Jan 83
	Object Classification (in thousands of dollars)	Summary
Identification code 21-2035-0-1-061		1982 actual 1983 est. 1984 est.
Direct obligations:		
Other services:		
125.004 Other	790,248	967,232 1,230,285
126.001 Supplies and materials	181,871	189,682 236,583
131.001 Equipment	2,160,660	2,687,871 3,518,168
199.001 Total direct obligations	3,122,679	4,074,686 4,982,047
Reimbursable obligations:		
Other services:		
225.004 Other	91,695	152,970 87,834
226.001 Supplies and materials	17,612	26,302 18,756
231.001 Equipment	252,963	250,636 240,618
299.001 Total reimbursable obligations	362,180	432,207 366,906
999.901 Total obligations	3,484,859	4,507,182 5,338,953

5-4 January 1983

Army		Other Procurement, Army			31 Jan 83		
		Program and Financing (in thousands of dollars)			1980 Fiscal year program		
Identification code	21-2035-0-1-081	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
Program by activities:							
Direct:							
	1. Tactical and support vehicles				1,730		
	2. Communications and electronics equipment				89,773		
	3. Other support equipment				26,388		
	Total direct				117,891		
	Reimbursable program				13,968		
10.0001	Total				131,859		
Financing:							
Offsetting collections from:							
11.0001	Adjustment to prior year federal fund orders				1,128		
13.0001	Adjustment to prior year trust fund orders				2,036		
17.0001	Recovery of prior year obligations(-)				-26,182		
	Unobligated balance available, start of year:						
21.4001	For completion of prior year budget plans				-139,229		
21.4002	Reprogramming from or to prior year budget plan	-32,373					
28.0001	Unobligated balance lapsing	32,373			32,373		
40.0001	Budget authority						

5-5 January 1983

Army

Other Procurement, Army

31 Jan 83

Program and Financing (in thousands of dollars)

1981 Fiscal year program

Identification code	21-2036-0-1-001	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
Program by activities:							
Direct:							
	1. Tactical and support vehicles				59,236	41,29	
	2. Communications and electronics equipment				253,236	95,821	
	3. Other support equipment				153,186	57,084	
	Total direct				505,658	224,19	
	Reimbursable program				61,720	100,48	
10.0001	Total				567,346	324,66	
Financing:							
Offsetting collections from:							
11.0001	Adjustment to prior year federal fund orders				6,977		
13.0001	Adjustment to prior year trust fund orders				11,382		
14.0001	Adjustment to non-federal sources				79		
17.0001	Recoveries of prior year obligations(-)				-65,503		
21.4001	Unobligated balance available, start of year				-844,966	-324,680	
24.4001	Unobligated balance available, end of year				324,680		
40.0001	Budget authority						

5-6 January 1983

Army

Other Procurement, Army

31 JAN 83

Program and Financing (in thousands of dollars)

1982 Fiscal year program

Identification code	21-2035-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations			
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.	
Program by activities:								
Direct:								
1.	Tactical and support vehicles	1,015,663			796,667	106,620	111,756	
2.	Communications and electronics equipment	1,607,630			1,149,436	374,600	83,794	
3.	Other support equipment	1,083,578			661,342	412,668	119,568	
	Total direct	3,707,271			2,499,365	892,788	315,118	
	Reimbursable program	373,162			266,464	60,490	26,198	
10.0001	Total	4,080,433			2,765,829	953,278	341,316	
Financing:								
Offsetting collections from:								
11.0001	Federal funds	-179,637			-179,637			
13.0001	Trust funds	-193,463			-193,463			
14.0001	Non-federal sources	-82			-82			
21.4001	Unobligated balance available, start of year:							
	For completion of prior year budget plans					-1,294,594	-341,316	
21.4002	Available to finance new budget plans		-10,900			-10,900		
23.4001	Unobligated balance transferred to other accounts		10,900			10,900		
24.4001	Unobligated balance available, end of year:							
	For completion of prior year budget plans				1,294,594	341,316		
24.4002	Available to finance subsequent year budget plans	10,900			10,900			
25.0001	Unobligated balance lapsing	28,200			28,200			
38.0001	Budget authority	3,748,371			3,748,371			
Budget authority:								
40.0001	Appropriation	3,721,871			3,721,871			
41.0001	Transferred to other accounts(-)	-32,000			-32,000			
42.0001	Transferred from other accounts	28,200			28,200			
43.0001	Appropriation (adjusted)	3,718,171			3,718,171			
50.0001	Reappropriation	28,200			28,200			

5-7 January 1983

Army		Other Procurement, Army			31 Jan 83		
Program and Financing (in thousands of dollars)		1983 Fiscal year program					
Identification code	21-2035-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
Program by activities:							
Direct:							
	1. Tactical and support vehicles		1,229,600			864,480	263,885
	2. Communications and electronics equipment		2,044,004			1,446,988	346,315
	3. Other support equipment		834,700			687,660	173,070
	Total direct		4,108,304			2,999,128	783,270
	Reimbursable program		359,900			271,228	77,660
10.0001	Total		4,468,204			3,270,356	860,930
Financing:							
Offsetting collections from:							
11.0001	Federal funds		-171,600			-171,600	
13.0001	Trust funds		-184,100			-184,100	
21.4001	Unobligated balance available, start of year						-1,235,000
24.4001	Unobligated balance available, end of year					1,235,000	374,090
38.0001	Budget authority		4,108,304			4,108,304	
Budget authority:							
40.0001	Appropriation		4,123,404			4,123,404	
40.0002	Reduction pursuant to P.L. 97-377		-7,500			-7,500	
41.0001	Transferred to other accounts(-)		-17,100			-17,100	
42.0001	Transferred from other accounts		9,800			9,800	
43.0001	Appropriation (adjusted)		4,108,304			4,108,304	

5-8 January 1983

Army		Other Procurement, Army			31 Jan 83		
Program and Financing (in thousands of dollars)		1984 Fiscal year program					
Identification code	21-2035-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
Program by activities:							
Direct:							
1.	Tactical and support vehicles			1,148,100			708,084
2.	Communications and electronics equipment			2,781,205			2,256,235
3.	Other support equipment			1,433,568			919,360
	Total direct			5,362,870			3,883,679
	Reimbursable program			361,900			283,080
10.0001	Total			5,724,770			4,166,759
Financing:							
Offsetting collections from:							
11.0001	Federal funds			-137,300			-137,300
13.0001	Trust funds			-224,200			-224,200
24.4001	Unobligated balance available, end of year						1,567,641
40.0001	Budget authority			5,362,870			5,362,870

5-9 January 1983

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

5-10 January 1983

Department of the Army Annual Budget Estimates	Appropriation		FY 1984	
JUSTIFICATION	OTHER PROCUREMENT, ARMY		Budget	
Program or Budget Project Account	(Thousands of Dollars)			
	Actual	Estimate	Estimate	Estimate
	FY 1982	FY 1983	FY 1984	FY 1985
ACTIVITY 1 - TACTICAL AND SUPPORT VEHICLES				
Direct Obligation or Direct Budget Plan	1,015,863	1,229,600	1,148,100	1,847,800

Section 1 - PURPOSE AND SCOPE

These funds provide for the procurement and manufacture of tactical and support vehicles and associated equipment. The tactical vehicles are of the type normally used by operation and support forces, and include prime movers and general purpose vehicles usually equipped with multi-wheel drive to satisfy cross country mobility needs. The support 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, panel trucks, carryalls and special purpose vehicles.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Tactical Vehicles - (P-1 Line Items No. 1 - 26)	(\$ in Thousands)	
	FY 1984	FY 1985
	981,900	1,622,400

This category includes trucks, trailers, semitrailers, dolly sets, chassis and motorcycles designed for tactical use. The major vehicles in the FY 1984 Request are 4,218 High Mobility Multi-purpose Wheeled Vehicles (HMMV), 15,346 Commercial Utility and Cargo Vehicles (CUCV), 4,499 Five Ton Trucks, and 1,316 Ten Ton Trucks. The FY 1985 program includes 9,624 HMMV's, 24,082 CUCV's, 4,363 Five Ton Trucks and 2,518 Ten Ton Trucks. These major vehicle procurements are required to fill some Active Army and Reserve Component shortages and limited replacement. This includes supporting the fielding of FIREFINDER, PATRIOT, PERSHING II, Sgt York Gun (formerly DIVAD GUN), TACFIRE, MLRS, TOW, FVS, GLLD/HELLFIRE, AN/TLQ-15, AN-GSG-10 and STINGER.

5-11 January 1983

Non-Tactical Vehicles - (P-1 Line Items 27- 29)

(\$ in Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
57,400	84,800

This category includes three sub-categories: Passenger Carrying Vehicles (PCV) (sedans, station wagons, buses, and ambulances); General Purpose Vehicles (trucks, trailers, motorcycles, scooters and semitrailers); Special Purpose Vehicles (maintenance, refuse and construction equipment). The FY 1984 program will provide for replacement of 4,812 vehicles of which 2,141 are for Passenger Carrying Vehicles. The FY 1985 program will provide for replacement of 5,855 vehicles of which 2,208 are for Passenger Carrying Vehicles.

Support Equipment and Facilities - (P-1 Line Items No. 30- 32)

(\$ in Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
108,800	140,600

This category includes Spares and Production Base Support. Spares include engines, transmissions, transfer cases and axles that are required to support newly fielded tactical vehicles as well as the existing fleet of tactical vehicles. Production Base Support includes projects such as Depot Maintenance Plant Equipment (DMPE), Provision of Industrial Facilities (PIF), Military Adaption of Commercial Items (MACI) and Manufacturing Technology Program. These projects support the production base and the maintenance base.

5-12 January 1983.

Department of the Army Annual Budget Estimates		Appropriation		FY 1984
JUSTIFICATION				Budget
Program or Budget Project Account		(Thousands of Dollars)		
		Actual	Estimate	Estimate
		FY 1982	FY 1983	FY 1984
ACTIVITY 2 - COMMUNICATIONS & ELECTRONICS EQUIP				FY 1985
Direct Obligation or Direct Budget Plan		1,607,830	2,044,004	2,781,205
				3,807,900

Section 1 - PURPOSE AND SCOPE

These funds provide for procurement, manufacture, depot rebuild facilities equipment, modification, and production base support of communications and electronics equipment and high dollar value depot reparable assemblies/components for initial provisioning and replenishment requirements. Funds are included for satellite communications, radio, electronic countermeasures, combat wire communications, night vision, photographic, combat surveillance, target acquisition, strategic tactical communications securing and electronics equipment.

Section 2 - JUSTIFICATION OF FUNDS REQUIRED

	(\$ In Thousands)	
	FY84	FY85
Telecommunications Equipment (P-1 Line Item Nos. 33-154)	1,272,205	1,459,000

The FY84 budget of \$1272.2 will support the Army's requirements for both tactical and strategic communications worldwide and includes: \$36.7 million for U.S. Readiness Command Communication (FY85: \$20.2 million); \$373.7 million for Joint Tactical Communications (TRI-TAC) (FY85: \$440.0 million); \$185.0 million for Combat Support Communications (FY85: \$266.3 million); \$35.7 million for National Military Command System Communications (FY85: \$23.8 million); \$18.4 million for Strategic Communications (STARCOM-Won DCS) FY85: \$21.4 million); \$31.5 million for Long Haul Communications (FY85: \$54.4 million); \$232.5 million for Satellite Communications Ground Equipment (FY85: \$279.1 million); \$102.4 million for EUCCOM Command, Control, and Communications Systems (FY85: \$68.6 million); \$199.5 million for Communications Security Equipment (FY85: \$180.8 million); \$35.0 million for Base Communications (FY85: \$78.2 million); and \$21.8 million for Test Measurement and Diagnostic Equipment (FY85: \$27.2 million). These communications equipments are essential to field, and to sustain in the field, the combat elements of the Army and to provide command and control over these forces by the National Command Authorities, The Joint Chiefs of Staff, and others in the chain of command.

5-13 January 1983

Other Electronics/Equipments (P-1 Line Item No.s 155-246)

(\$ in Thousands)

<u>FY84</u>	<u>FY85</u>
1,509,000	2,348,900

This request also provides for Other Electronic Systems and Equipment including: \$159.7 million for Intelligence Support (FY85: \$463.9 million); \$30.4 million for the General Defense Intelligence Program (FY85: \$24.9 million); \$214.1 million for Automatic Data Processing Equipment (FY85: \$231.4 million); \$17.4 million for Audio Visual Equipment (FY85: \$19.0 million); \$72.7 million for Electronic Warfare (FY85: \$47.2 million); \$278.8 million for Tactical Electronics (FY85: \$631.2 million); and \$735.9 million for Support Equipment and Facilities (FY85: \$931.3 million). The equipment in these categories is required to sustain troops in combat, to provide electronic combat multiplier advantages and protection to the individual soldier, to help him carry the battle to the enemy, and to sustain the production base, exploiting the latest developments in miniaturization, solid state circuitry, and modular fabrication.

5-14 January 1983

Department of the Army Annual Budget Estimates	Appropriation				FY 1984
JUSTIFICATION	OTHER PROCUREMENT, ARMY				Budget
Program or Budget Project Account	(Thousands of Dollars)				
	Actual	Estimate	Estimate	Estimate	
	FY 1982	FY 1983	FY 1984	FY 1985	
ACTIVITY 3 - OTHER SUPPORT EQUIPMENT					
Direct Obligation or Direct Budget Plan	1,083,578	834,700	1,433,565	2,107,700	

Section 1 - PURPOSE and SCOPE

The funds provide for 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 this budget activity.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

<u>Chemical Defensive Equipment (P-1 Line Item No. 247-257)</u>	(\$ in Thousands)	
	<u>FY 1984</u>	<u>FY 1985</u>
	61,000	90,200

This category includes chemical-biological individual and collective protection, detection and warning, decontamination, and contamination avoidance equipment. The FY 1984 funds requested will fill shortages and provide for replacement of over-age masks. In addition the FY 1984 funds procure collective protective equipment, and a lightweight decontamination apparatus necessary for U. S. forces to operate in a chemical environment. FY 1984 also continues the multi-year procurement of smoke generators essential for tactical operations. The FY 1985 program continues the procurements listed in FY 1984.

5-15 January 1983

Bridging Equipment (P-1 Line Item No. 258-265)

(\$ in Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
30,900	38,300

This category includes components of the Ribbon Bridge System and the Medium Girder Bridge System. The FY 1984 program initiates multi-year procurement of the Interior and Ramp Bays and continues multi-year procurement of the Transporter for the Ribbon Bridge System in support of unit shortages. FY 1984 also includes acquisition of the Link Reinforcing Set for the Medium Girder Bridge which allows for the lengthening of the span of the Medium Girder Bridge while retaining the capacity to carry heavy equipment loads. These sets are required to support Medium Girder Bridge components already in the inventory. The FY 1985 program continues the multi-year procurement of the Ribbon Bridge Transporter initiated in FY 1983 with a required skip year in FY 1984 because of the long initial procurement lead time.

Engineer (Non-Construction) Equipment (P-1 Line Item. 266-272)

(\$ in Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
75,000	154,200

This program provides funding for mine/countermine, navigation/survey and topographic support systems, and the Armored Combat Earthmover. The FY 1984 program includes the initiation of a multi-year acquisition of the Armored Combat Earthmover required by combat engineers to provide essential combat support to the fighting force. The FY 1984 program continues the multi-year program for the Position/Azimuth Determining System required to provide survey data to emplace firing batteries, launcher locations, observation points and other fire support elements. In addition, the FY 1984 program completes procurement of the Topographic Support System which provides a complete mobile mapping capability to the tactical commander and the multi-year procurement for the Mine Clearing Roller used by tank battalions in Europe to detonate mines. The FY 1985 program initiates a multi-year procurement for the Mine Detecting Set used to locate metallic anti-personnel and anti-tank mines and continues procurement of the Mine Clearing Roller. Both the FY 1984 and 1985 programs continue to support procurement of Ground Emplacement Mine Scattering System (GEMSS) which is the first U. S. system to automatically dispense mines simultaneously or individually in a controlled pattern.

Combat Service Support Equipment (P-1 Line Item No. 273-282)

(\$ in Thousands)
FY 1984 FY 1985
42,600 63,800

This category provides for the acquisition of various combat support equipment items. In FY 1984, the program includes 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 compressors, firetrucks, heaters, and printing and binding equipment. The FY 1985 programs continue the FY 1984 programs and add funds for diving equipment and the trailer mounted field laundry unit. The items procured in this category support the men and equipment that must operate in all weather conditions under field environments.

Petroleum Equipment (P-1 Line Item No. 283-293)

(\$ in Thousands)
FY 1984 FY 1985
47,800 39,800

This category includes equipment necessary for the storage and distribution of fuel. The FY 1984 program provides for continuation of the multi-year acquisition of 10,000 gallon fabric collapsible tanks and 5,000 barrel bulk fuel tanks to be used at fuel system supply points and for bulk petroleum storage. The program also includes funds for continued multi-year procurement of tank-pump units used to refuel combat equipment throughout the area of operations. The fuel handling hose/line outfit which provides a portable pipeline within the area of operations is also an essential program element. FY 1984 begins procurement of the RDF POL Distribution System, which includes bulk storage tanks, hoses, pumps, etc., required to support the Army's large mission of distributing bulk petroleum to all land based forces in the Rapid Deployment Joint Task Force. The FY 1985 program provides for continuation of the RDF POL initiative and the multi-year program for the tank and pump unit, as well as the multi-leg tanker mooring system used in offloading POL tankers and the 350 GPM pump used in POL distribution systems.

Water Equipment (P-1 Line Item No. 294-298)

FY 1984 FY 1985
12,000 112,500

This category includes water support equipment required to provide a capability for production, purification, storage and distribution of water. The FY 1984 program provides for the acquisition of the Tactical Water Distribution System in support of the long-range Phase II program to support the Rapid Deployment Joint Task Force (RDJTF). The FY 1985 program includes acquisition of drilling machines used in water production.

5-17 January 1983

FY 1985 programs are also requested for continued acquisition of the Tactical Water Distribution System, various capacity storage distribution systems, water chillers, collapsible storage tanks and the Forward Area Water Point Supply System. To provide purification capability, programs are included for the 600 and 3000 gallon per hour Reverse Osmosis Water Purification Units (ROWPU) and the 150,000 gallon per day ROWPU. FY 1985 programs complete filling Phase I equipment shortfalls and support procurement of Phase II equipment acquisition objectives for the RDJTF.

(\$ in Thousands)

Medical Equipment (P-1 Line Item No. 299-310)

<u>FY 1984</u>	<u>FY 1985</u>
151,600	185,900

Medical equipment funding provides for the procurement of investment equipment to support both Army fixed medical activities and field medical units worldwide.

a. This program 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 programs, renovation and modernization projects; the replacement of uneconomically repairable and obsolete equipment; the acquisition of new technologies essential to the delivery of modern health care; and equipment for drug abuse testing laboratories, environmental pollution monitoring, and the clinical investigation of significant health care problems.

b. This category also procures medical equipment which is the initial issue quantity for new or existing tactical field medical units in the approved force structure, procurement of field medical equipment to be placed in POMCUS, and the acquisition of field medical investment equipment to replace worn out, obsolete or uneconomically repairable equipment, or field unit shortages. Programmed resources will equip and modernize the field medical force, both hospitals and other medical field units. This is in compliance with Defense Guidance and overcomes serious Army recognized equipment shortages which prevents meeting field medical support missions in the event of contingencies. Many of the items being procured for field medical units share commonality with items being procured by other services as a result of the current Quad Service standardization process.

c. In addition, this category funds Electrical Generator/Environmental Control Systems, one and two-sided expandable tactical shelters, and two and six section extendable, modular, personnel (TEMPER) tents for use by Army Combat Zone Hospitals.

5-18 January 1983

Maintenance Equipment (P-1 Line Item No. 302-310)

(\$ in Thousands)

<u>FY 1984</u>	<u>FY 1985</u>
86,500	116,700

This category includes numerous types of maintenance equipment sets necessary to perform maintenance on all equipment in the field. Examples include welding shops, general purpose repair shops and hydraulic tool outfits. The FY 1984 requested funding will begin multi-year procurement on three of the shop equipment sets to fill shortages existing in the field. The FY 85 program continues the procurement began in FY 1984 and initiates multi-year procurement of the contact maintenance truck which is the workhouse of maintenance equipment sets in a tactical environment. The procurements scheduled for FY 1984 and FY 1985 will significantly increase the readiness of maintenance units in the Army and directly impact the readiness of our combat forces.

Construction Equipment (P-1 Line Item No. 311-329)

(\$ in Thousands)

<u>FY 1984</u>	<u>FY 1985</u>
281,400	449,900

The FY 1984 funds requested will continue the standardization program of Combat Construction Equipment (CCE) for graders, loaders, scrapers, compressors, and pneumatic tool outfits. In addition, FY 1984 will start the standardization effort for bulldozers and 7 1/2 ton rough terrain cranes. A replacement item, Small Emplacement Excavator (SEE), will be procured to meet the increased mobility requirements of present and future combat forces. The FY 1985 program continues the FY 1984 efforts which are critical to standardizing combat construction equipment while increasing the readiness posture of the United States Army.

Rail, Float, Containerization (P-1 Line Item No. 330-344)

(\$ in Thousands)

<u>FY 1984</u>	<u>FY 1985</u>
81,700	176,600

This category provides for two major thrusts in the FY 1984 and FY 1985 timeframe. The first thrust includes procurement of watercraft to meet the Logistics-Over-The-Shore (LOTS) movement of tonnage in support of RDJTF. The second thrust is the replacement of Army rail flat cars and POL tank cars in support

of peacetime shipping requirements as well as M-day mobilization requirements. Since the Army is the executive agent responsible for the Department of Defense Rail Interchange Fleet (DRIF) it is imperative that these funds be provided. The FY 1984 program provides funds to initiate multi-year procurement of two items to replace over-age and unserviceable assets in the field. These are the Landing Craft Utility (LCU) which provides capability to transport cargo, troops and vehicles from ship to shore and the Logistics Support Vessel (LSV) which provides capability to carry container handling equipment required for LOTS operation.

The FY 1984 program also provides for the continuation of the acquisition of the 140 ton railcars to replace the over-aged 100 ton flatcar to be used in the transport of heavy weapon systems (ie., M1 tanks, Ammo Containers). The program also includes the acquisition of the MILVAN shipping containers required to move and store ammunition in support of the Containerized Ammunition Distribution System (CADS).

The FY 1985 program continues procurement of LCU's and LSV's and also initiates multi-year procurement on several other watercraft items to include: large tugs to replace current 100 foot tug now used by boat companies to berth and unberth large vessels; service boats which provide command and control plus security in harbors and on inland waterways; pier barge (B-DeLong) used as temporary pier, serves to load and offload ocean going ships. In addition, the FY 1985 program provides for continuing of the 140 ton railcar and the shipping container programs, plus initiation of programs to acquire refrigerated containers and a multi-year acquisition of 20,000 gallon POL tank car to replace over-age 10,000 gallon cars that will reach their mandatory retirement age in FY 1989.

Generators (P-1 Line Item No. 345)

(\$ in Thousands)	
<u>FY 1984</u>	<u>FY 1985</u>
101,600	125,400

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 (ie., 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, as well as replacement of over-age, obsolete power generator equipment currently being used in units. The FY 84 program includes multi-year acquisitions of the 5, 10, and 100KW, 60HZ generators. The FY 1985 multi-year acquisition programs and initiates procurement of new family of a Silent Lightweight Electric Energy Plants (SLEEP) generator systems which will reduce the signature of combat units requiring power in the forward edge of the battle area.

5-20 January 1983

Materiel Handling Equipment (P-1 Line Item No. 346-355)

(\$ in Thousands)	
FY 1984	FY 1985
73,800	70,900

The FY 1984 funds requested begin the standardization program for four commercial forklifts critical to ammunition handling. In addition, a 10,000 lb. rough terrain forklift and a 50,000 lb. container handler critical to movement of all supplies is continued to be procured during the period. The FY 1985 program continues the FY 1984 programs with the addition of the 6000 lb rough terrain forklift used with ammunition units. These programs are essential to fill shortages created by worn-out over-age equipment that degrades equipment readiness.

Other Support Equipment (P-1 Line Item No. 356-368)

(\$ in Thousands)	
FY 1984	FY 1985
987,656	483,500

This category continues funding of six major thrusts. These are: Spares and Repair Parts, Production Base Support, efficiency programs, Base Commercial Equipment, Non Systems Training Devices, and Special Programs. The Spares and Repair Parts properly interface with the programs recommended for procurement while the Production Base Support program supports items planned to be procured in the next few years. Improper funding in these areas causes equipment to border on unsupportability once fielded or the inability to procure when scheduled. The efficiency programs include projects for which amortization schedules allow recouping costs in 4 years or less. Base Commercial Equipment implements Congressional direction to procure those items over \$3,000 which are not centrally managed. As the cost of items increases more items exceed the \$3,000 limit and must be procured in this line, thus, the value of the line must increase at a greater rate than inflation as more lines are added. The thrust in training devices is to procure new standardized target systems for our ranges and laser engagement simulation systems for our new weapon systems. These initiatives directly impact combat soldier readiness in that the individual can be trained to perform on a simulated battlefield.

Avoidance Savings

Value Engineering projects resulted in avoidance savings of \$200,000 which demonstrate how much higher the Army's budget plan would have been without this Economies, Efficiencies and Management Improvement action.

5-21 January 1983

OTHER PROCUREMENT, ARMY

Section 3

Comparison of Program Requirements and Financing

Comparison of FY 1983 program requirements as reflected in the FY 1983 budget with FY 1983 program requirements as shown in the FY 1984 budget.

Comparison of FY 1983 financing as reflected in the FY 1983 budget with FY 1983 financing as shown in FY 1984 budget.

Comparison of FY 1982 program requirements as reflected in the FY 1983 budget with FY 1982 program requirements as shown in the FY 1984 budget.

Comparison of FY 1982 financing as reflected in the FY 1983 budget with FY 1982 financing as shown in the FY 1984 budget.

5-22 January 1983

**COMPARISON OF FY 1983 PROGRAM REQUIREMENTS
AS REFLECTED IN FY 1983 BUDGET WITH
FY 1983 PROGRAM REQUIREMENTS AS SHOWN IN FY 1984 BUDGET**

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation: OTHER PROCUREMENT, ARMY	Total Program Requirements Per FY 83 Budget	Program Requirements Per FY 1984 Budget	Increase (+) or Decrease (-)
Activity 1 - Tactical and Support Vehicles	1,256,500	1,229,600	-26,900
Activity 2 - Communications and Electronics Equipment	2,339,164	2,044,004	-295,160
Activity 3 - Other Support Equipment	971,827	834,700	-137,127
TOTAL	4,567,491	4,108,304	-459,187

1. Tactical and Support Vehicles. Decrease of \$26,900 thousand is a result of \$7,300 thousand specified reduction and \$19,600 thousand in offsets for general reduction made during Congressional action on the FY 1983 Budget Request.

2. Communications and Electronics Equipment. Net decrease of \$295,160 thousand is a result of \$387,087 thousand in specified reductions and \$9,600 thousand in offsets for general reductions made during Congressional action on the FY 1983 Budget Request; an increase of \$71,000 thousands for classified programs and \$1,973 thousand decrease as sources in the FY 83 Amended Budget Request; and an increase of \$32,500 thousand from planned FY 1983 reprogramming actions.

3. Other Support Equipment. Net decrease of \$137,127 is a result of \$102,600 thousand in reductions made during Congressional action on the FY 1983 Budget Request; an increase of \$24,400 thousand in classified programs and \$11,300 thousand decrease as sources in the FY 1983 Amended Budget Request and a \$47,600 thousand decrease as sources for planned FY 1983 reprogramming actions.

5-23 January 1983

COMPARISON OF FY 1983 FINANCING AS REFLECTED
IN THE FY 1983 BUDGET WITH FY 1983 FINANCING
AS SHOWN IN FY 1984 BUDGET

		(In Thousands of Dollars)		
Appropriation:	OTHER PROCUREMENT, ARMY	Financing Per FY 1983 Budget	Financing Per FY 1984 Budget	Increase (+) or Decrease (-)
Program Requirements (Total)		4,811,591	4,464,204	-347,387
Program Requirements (Service Account)		(4,567,491)	(4,108,304)	-459,187
Program Requirements (Reimbursable)		(244,100)	(355,900)	+111,800
Less:				
Anticipated reimbursements		244,100	355,900	+111,800
Reprogramming from prior year budget plans		-0-	-0-	
Unobligated balance available from prior year to finance new budget plans		-0-	-0-	-0-
Unobligated balance transferred from other accounts		-0-	-0-	
Add:				
Unobligated balance transferred to other accounts		-0-	-0-	
Unobligated balance available to finance subsequent year budget plans		-0-	-0-	
	BUDGET AUTHORITY	4,567,491	4,108,304	-459,187
BUDGET AUTHORITY				
Appropriation		4,567,441	4,123,404	-444,037
Reduction pursuant to P.L. 97-377			- 7,500	- 7,500
Transfer to other accounts			-17,100	-17,100
Transfer from other accounts			+ 9,500	+ 9,500
Appropriation adjusted		4,567,441	4,108,304	-459,137

5-24 January 1983

COMPARISON OF FY 1982 PROGRAM REQUIREMENTS
AS REFLECTED IN FY 1983 BUDGET WITH
FY 1982 PROGRAM REQUIREMENTS AS SHOWN IN FY 1984 BUDGET

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation: OTHER PROCUREMENT, ARMY	Total Program Requirements Per FY 83 Budget	Program Requirements Per FY 1984 Budget	Increase (+) or Decrease (-)
Activity 1 - Tactical and Support Vehicles	1,009,200	1,015,863	+ 6,663
Activity 2 - Communications and Electronics Equipment	1,571,575	1,607,830	+76,255
Activity 3 - Other Support Equipment	1,145,096	1,083,578	-61,518
TOTAL	3,725,871	3,707,271	+21,370

1. Tactical and Support Vehicles. Net increase of \$6,663 thousand results from an increase of \$24,043 thousand from Congressionally approved reprogramming actions including restructure of the Guard and Reserve procurement program which transferred \$40,443 thousand from the Other Support Equipment Budget Activity to the Tactical and Support Vehicles Budget Activity within Other Procurement, Army; and miscellaneous below threshold reprogrammings which provide a net decrease of \$17,380 thousand.

2. Communications and Electronics Equipment. Net increase of \$76,255 thousand results from an increase of \$47,327 thousand from Congressionally approved reprogramming actions including restructure of the Guard and Reserve procurement program which transferred \$28,527 thousand from the Other Support Equipment Budget Activity to Communications and Electronics Budget Activity within the Other Procurement, Army Appropriation; and miscellaneous below threshold reprogrammings which provided a net increase of \$8,928 thousand.

3. Other Support Equipment. Net decrease of \$61,518 thousand results from a decrease of \$86,070 thousand from Congressionally approved reprogramming actions including restructure of the Guard and Reserve procurement program which transferred \$68,970 thousand from the Other Support Equipment Budget Activity to the Tactical and Support Vehicles Budget Activity and the Communications and Electronics Budget Activity within Other Procurement, Army; and miscellaneous below threshold reprogrammings which resulted in a net increase of \$24,552 thousand.

5-25 January 1983

COMPARISON OF FY 1982 FINANCING AS REFLECTED
IN THE FY 1983 BUDGET WITH FY 1982 FINANCING
AS SHOWN IN FY 1984 BUDGET

(In Thousands of Dollars)			
Appropriation:	Financing Per FY 1983 Budget	Financing Per FY 1984 Budget	Increase (+) or Decrease (-)
OTHER PROCUREMENT, ARMY			
Program Requirements (Total)	4,080,371	4,080,453	+ 82
Program Requirements (Service Account)	(3,725,871)	(3,707,271)	(- 18,600)
Program Requirements (Reimbursable)	(354,500)	(373,182)	(+ 18,682)
Less:			
Anticipated reimbursement	- 354,500	- 373,182	- 18,682
Reprogramming from prior year budget plans	-0-	-0-	-0-
Unobligated balance available from prior year to finance new budget plans	-0-	-0-	-0-
Unobligated balance transferred from other accounts	-0-	-0-	-0-
Add:			
Unobligated balance transferred to other accounts	-0-	-0-	-0-
Unobligated balance available to finance subsequent year budget plans		10,900	+ 10,900
Unobligated balance lapsing		28,200	+ 28,200
BUDGET AUTHORITY	3,725,871	3,746,371	+ 20,500
BUDGET AUTHORITY			
Appropriation	3,721,971	3,721,971	-0-
Transferred to other accounts	- 16,100	- 32,000	- 15,900
Transferred from other accounts		28,200	+ 28,200
Appropriation (Adjusted)	3,705,871	3,718,171	+ 12,300
Reappropriation		28,200	+ 28,200

5-26 January 1983

OTHER PROCUREMENT, ARMY

Appendix

Consultants, Studies and Analyses, and Management Support Contracts

Exhibit PB-21, Special Analysis

Narrative Justification

5-27 January 1983

FY 1984
PB-21, SPECIAL ANALYSIS
CONSULTANTS, STUDIES AND ANALYSES
AND MANAGEMENT SUPPORT CONTRACTS
(DOLLARS IN THOUSANDS)

APPROPRIATION: OTHER PROCUREMENT, ARMY

DATE: 01/27/83

	FY 1982	FY 1983	FY 1984
A. EXPERTS AND CONSULTANTS	-	-	-
1. PERSONNEL APPOINTMENTS	-	-	-
A. EXPERTS	-	-	-
B. CONSULTANTS	-	-	-
(1) FEDERAL ADVISORY	-	-	-
COMMITTEE MEMBERS	-	-	-
(2) ALL OTHER APPOINTED	-	-	-
CONSULTANTS	-	-	-
2. CONTRACT CONSULTANTS	-	-	-
B. CONTRACT STUDIES & ANALYSES	-	-	-
1. CONSULTING SERVICES	-	-	-
2. OTHER	-	-	-
C. PROFESSIONAL AND MANAGEMENT			
 SERVICES BY CONTRACT	<u>925</u>	<u>1,100</u>	<u>1,100</u>
1. PROGRAM MANAGEMENT SUPPORT	582	725	725
A. CONSULTING SERVICES	-	-	-
B. OTHER	(582)	(725)	(725)
2. POLICY REVIEW AND			
DEVELOPMENT	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
3. SPECIFICATION DEVELOPMENT	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
4. SYSTEMS ENGINEERING	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-

5-2A January 1983

APPROPRIATION: OTHER PROCUREMENT, ARMY

DATE: 01/27/83

	FY 1982	FY 1983	FY 1984
5. TECHNOLOGY SHARING/ UTILIZATION	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
6. LOGISTIC SUPPORT SERVICES	53	75	75
A. CONSULTING SERVICES	-	-	-
B. OTHER	(53)	(75)	(75)
7. TECHNICAL DATA COLLECTION	300	300	300
A. CONSULTING SERVICES	-	-	-
B. OTHER	(300)	(300)	(300)
8. PUBLIC RELATIONS AND ADVERTISING	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
9. OTHER PROFESSIONAL AND MANAGEMENT SERVICES BY CONTRACT	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
D. CONTRACT ENGINEERING TECHNICAL SERVICES (CETS)	-	-	-
1. CONTRACT PLANT SERVICES	-	-	-
2. CONTRACT FIELD SERVICES	-	-	-
3. FIELD SERVICE REPRESENTATIVES	-	-	-
TOTAL	935	1,100	1,100

5-29 January 1983

APPROPRIATION: OTHER PROCUREMENT, ARMY

DATE: 01/27/83

FY 1982

FY 1983

FY 1984

E. SUMMARY

1. PERSONAL SERVICES CONTRACTS	-	-	-
2. CONTRACT CONSULTING SERVICES	-	-	-
3. OTHER CONTRACT SERVICES	935	1,100	1,100
4. PERSONNEL APPOINTMENTS	-	-	-
TOTAL	<u>935</u>	<u>1,100</u>	<u>1,100</u>

5-30 January 1983

Other Procurement, Army
Narrative Justification
Consultant, Studies and Analyses and
Management Support Contracts

Professional and Management Services

- Support services are essential to adequately prepare for and conduct major program and testing milestones; to insure that production quality is maintained; that problems are quickly and cost effectively resolved; and that the fielding process is successfully planned and accomplished for the AN/TPQ-36 Mortar Locating Radar. The funds shown below reflect obligations of FY82 three year appropriations.

Program Management Support

<u>FY82</u>	<u>FY83</u>	<u>FY84</u>
\$582	\$725	\$725

Logistic Support

<u>FY82</u>	<u>FY83</u>	<u>FY84</u>
\$53	\$75	\$75

Technical Data Collection

<u>FY82</u>	<u>FY83</u>	<u>FY84</u>
\$300	\$300	\$300

5-31 January 1983

DEPARTMENT OF THE ARMY
NATIONAL GUARD EQUIPMENT, ARMY

JUSTIFICATION OF ESTIMATES FOR FISCAL YEARS 1984, 1985

TABLE OF CONTENTS

Page No.

Section 1 - Budget Appendix Extract	6-1
---	-----

6-1 January 1983

NATIONAL GUARD EQUIPMENT, ARMY

Section 1

Budget Appendix Extract

Language

Program and Financing Schedule

Object Classification Schedule

6-1 January 1983

APPROPRIATION LANGUAGE

For procurement of weapons and tracked combat vehicles for the modernization of the Army National Guard: \$50,000,000 to remain available for obligation until September 30, 1984.

6-2 January 1983

Army

National Guard Equipment, Army

31 JAN 83

Program and Financing (in thousands of dollars)				Summary			
Identification code	21-2038-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.

Program by activities:							
Direct:							
10.0001	Total	50,000	.....	.....	50,000	.....	.....
Financing:							
40.0001	Budget authority	50,000	.....	.....	50,000	.....	.....

Relation of obligations to outlays:							
71.0001	Obligations incurred, net				50,000	.....	.....
72.4001	Obligated balance, start of year					50,000	42,500
74.4001	Obligated balance, end of year				-50,000	-42,500	-20,000

80.0001	Outlays					7,500	22,500

6-3 January 1983

Army

National Guard Equipment, Army

31 Jan 83

Object Classification (in thousands of dollars)

Summary

Identification code	21-2036-0-1-061	1982 actual	1983 est.	1984 est.
131.001	Equipment	50,000	.....	.....
999.901	Total obligations	50,000	.....	.....

6-4 January 1983

Army

National Guard Equipment, Army

31 Jan 83

Program and Financing (in thousands of dollars)		1982 Fiscal year program					
Identification code	21-2036-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
Program by activities:							
Direct:							
10.0001	Total	50,000			50,000		
Financing:							
40.0001	Budget authority	50,000			50,000		

6-5 January 1983

DEPARTMENT OF THE ARMY
PROCUREMENT OF EQUIPMENT AND MISSILES, ARMY

JUSTIFICATION OF ESTIMATES FOR FISCAL YEARS 1984, 1985

TABLE OF CONTENTS

Page No.

Section 1 - Budget Appendix Extract	7-1
---	-----

7-1 January 1983

**Program and Financing Schedule and Object
Classification Schedule for the Procurement
of Equipment and Missiles, Army Appropriation**

7-1 January 1983

Army

Proc. of Equip. & Missiles, Army

31 Jan 63

Program and Financing (in thousands of dollars)

Summary

Identification code 21-2030-0-1-051

Budget plan (amounts for
procurement actions programmed)

Obligations

	1962 actual	1963 est.	1964 est.	1962 actual	1963 est.	1964 est.
Relation of obligations to outlays:						
71.0001 Obligations incurred, net				1,621	637	2,600
72.4001 Obligated balance, start of year				-537	-2,600	
74.4001 Obligated balance, end of year				2,279	4,463	
77.0001 Adjustments in expired accounts						
90.0001 Outlays				3,366	2,600	2,600

7-2 January 1983

DATE
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8