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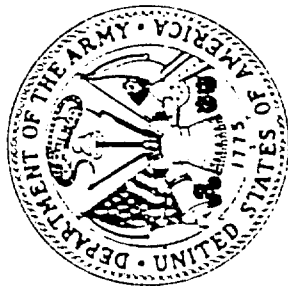
# DEPARTMENT OF THE ARMY

JUSTIFICATION OF ESTIMATES FOR AMENDED FY 1988/1989 BIENNIAL BUDGET

SUBMITTED TO CONGRESS

FEBRUARY 1988

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PROCUREMENT AIRCRAFT PROCUREMENT, ARMY PROGRAMS

AIRCRAFT	MISSILES
AMMUNITION	OTHER
WEAPONS & TRACKED COMBAT VEHICLES	

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PEO, Fire Support ATTN: AMCPEO-FS Redstone Arsenal, AL 35898-8000	5	PEO, Troop Support ATTN: AMCPEO-TRP 4300 Goodfellow Blvd ST Louis, MO 63120-1798	5	PEO, Forward Air Defense ATTN: AMCPEO-FA Redstone Arsenal, AL 35898-5750	5
PEO, Combat Aviation ATTN: AMCPEO-CA 4300 Goodfellow Blvd St Louis, MO 63120-1798	5	PEO, Networks ATTN: AMCPEO-PEN Ft. Monmouth, NJ 07703-5000	5	PEO, Ammunition ATTN: AMCPEO-AMMO 5001 Eisenhower Blvd Alexandria, VA 22333-0001	5
Chief of Engineers ATTN: CECG 20 Massachusetts Ave Washington, D.C. 20314-1000	1	Program Manager, RCAS ATTN: AS-RCAS STOP C-13, Bldg 1469 Ft. Belvoir, VA 22060-5436	1	PEO, Close Combat Vehicle ATTN: AMCPEO-CCV Warren, MI 48090-5000	5

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DEPARTMENT OF THE ARMY  
AIRCRAFT PROCUREMENT, ARMY

JUSTIFICATION OF ESTIMATES FOR AMENDED FY 1988/FY1989 BIENNIAL BUDGET

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*Keywords: Tables (Data)*  
*Statistical data. (KR)*

AIRCRAFT PROCUREMENT, ARMY

Section 1

Budget Appendix Extract

Appropriation Language

Program and Financing Schedule

Object Classification Schedule

1-1 February 1988

APPROPRIATION LANGUAGE

For construction, procurement, production, modification, and modernization of aircraft, equipment, including ordnance, ground handling equipment, spare parts, 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; [\$2,718,406,000] \$2,791,500,000 to remain available for obligation until [September 30, 1990] September 30, 1991 of which \$175,500,000 shall be made available only for the Army National Guard and Army Reserve.

Army

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

Identification code	21-2031-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)				Obligations	
		1987 actual	1988 est.	1989 est.	1987 actual	1988 est.	1989 est.
Program by activities:							
Direct Program:							
00.0101	Aircraft	1,550,648	1,420,195	1,335,638	1,815,619	1,293,367	1,327,846
00.0201	Modification of aircraft	533,129	628,116	740,065	576,826	646,950	772,963
00.0301	Spares and repair parts	345,598	517,122	552,169	724,126	474,432	529,951
00.0401	Support equipment and facilities	172,565	152,973	163,628	114,640	184,347	159,583
00.9101	Total direct program	2,731,940	2,718,406	2,791,500	3,231,211	2,599,096	2,790,343
01.0101	Reimbursable program	65,124	133,800	49,300	76,950	139,722	49,300
10.0001	Total	2,797,064	2,852,206	2,840,800	3,308,161	2,738,818	2,839,643
Financing:							
Offsetting collections from:							
11.0001	Federal funds(-)	-51,327	-53,000	-26,000	-47,062	-53,000	-26,000
13.0001	Trust funds(-)	-13,797	-80,800	-23,300	-14,023	-80,800	-23,300
14.0001	Non-Federal sources(-)						
17.0001	Recovery of prior year obligations				-167,523		
21.4002	Unobligated balance available, start of year:						
21.4003	For completion of prior year budget plans				-835,468	-428,009	-547,687
21.4007	Available to finance new budget plans	-108,200	-87,100		-108,200	-87,100	
22.4001	Reprogramming from/to prior year budget plan	-59,844	6,290				
24.4002	Unobligated balance transferred to other acc	28,819	19,610		28,819	19,610	
24.4003	Unobligated balance available, end of year:						
25.0001	For completion of prior year budget plans	87,100			428,009	547,687	548,844
	Available to finance subsequent year budget	6,535			87,100		
	Unobligated balance lapsing				6,535		
39.0001	Budget authority	2,686,350	2,657,206	2,791,500	2,686,350	2,657,206	2,791,500
Budget authority:							
40.0001	Appropriation	2,780,750	2,718,406	2,791,500	2,780,750	2,718,406	2,791,500
40.0017	Appropriation rescinded	-94,400	-61,200		-94,400	-61,200	
43.0001	Appropriation (adjusted)	2,686,350	2,657,206	2,791,500	2,686,350	2,657,206	2,791,500
Relation of obligations to outlays:							
71.0001	Obligations incurred, net				3,247,078	2,605,018	2,790,343
74.4001	Obligated balance, start of year				4,792,788	4,568,876	4,392,994
74.4001	Obligated balance, end of year				-4,568,876	-4,392,994	-4,410,537
77.0001	Adjustments in expired accounts				2,437		
78.0001	Adjustments in unexpired accounts				-167,523		
90.0001	Outlays				3,305,904	2,780,900	2,772,800

Army

Aircraft Procurement, Army  
Object Classification (in thousands of dollars) SUMMARY

Identification code	21-2031-0-1-051	1987 actual	1988 est.	1988 est.
Direct obligations:				
Other services:				
125.004		922,833	621,625	381,036
126.001	Supplies and materials	632,025	444,017	272,117
131.001	Equipment	1,676,353	1,533,454	2,137,190
199.001	Total Direct obligations	3,231,211	2,599,096	2,790,343
Reimbursable obligations:				
Other services:				
225.004		21,977	3,759	3,759
226.001	Supplies and materials	15,051	2,685	2,685
231.001	Equipment	39,922	133,278	42,856
299.001	Total Reimbursable obligations	76,950	139,722	49,300
999.901	Total obligations	3,308,161	2,738,818	2,839,643



Army

Aircraft Procurement, Army  
 Program and Financing (in Thousands of dollars) FISCAL YEAR 1985

Identification code	21-2031-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)		Obligations	
		1987 actual	1988 est.	1987 actual	1988 est.
Program by activities:					
Direct program:					
00.0101	Aircraft			27,339	
00.0201	Modification of aircraft			56,666	
00.0301	Spares and repair parts			32,260	
00.0401	Support equipment and facilities			21,929	
00.9101	Total direct program			138,194	
01.0101	Reimbursable program			5,280	
10.0001	Total			143,474	
Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)			111	
13.0001	Trust funds(-)			326	
14.0001	Non-Federal sources(-)			2	
17.0001	Recovery of prior year obligations			-40,282	
21.4002	Unobligated balance available, start of year:				
	For completion of prior year budget plans			-137,612	
21.4003	Available to finance new budget plans			-15,600	
21.4007	Reprogramming from/to prior year budget plan				
22.4001	Unobligated balance transferred to other acc			27,446	
25.0001	Unobligated balance lapsing			6,535	
40.0017	Budget authority (Appropriation rescinded)			-15,600	

Army

Aircraft Procurement, Army  
 Program and Financing (in Thousands of Dollars) FISCAL YEAR 1986

Identification code	21-2031-0-1-051	Budget Plan (amounts for PROCUREMENT actions programed)			Obligations	
		1987 actual	1988 est.	1989 est.	1987 actual	1988 est.
<b>Program by activities:</b>						
<b>Direct program:</b>						
00.0101	Aircraft		357,859		19,517	
00.0201	Modification of aircraft		123,115		51,398	
00.0301	Spares and repair parts		179,203		9,839	
00.0401	Support equipment and facilities		28,000		20,523	
00.9101	Total direct program		688,177		101,277	
01.0101	Reimbursable program		9,468		3,000	
10.0001	Total		697,645		104,277	
<b>Financing:</b>						
Offsetting collections from:						
11.0001	Federal funds(-)		4,154			
13.0001	Trust funds(-)		-552			
17.0001	Recovery of prior year obligations		-111,928			
21.4002	Unobligated balance available, start of year:					
21.4003	For completion of prior year budget plans					
21.4007	Available to finance new budget plans					
22.4001	Reprogramming from/to prior year budget plan					
24.4002	Unobligated balance transferred to other acc					
24.4003	Unobligated balance available, end of year:					
	For completion of prior year budget plans					
	Available to finance subsequent year budget					
40.0017	Budget authority (Appropriation rescinded)					
			-78,800	-32,000	-78,800	-32,000

Army

Aircraft Procurement, Army  
Program and Financing (in Thousands of Dollars) FISCAL YEAR 1987

Identification code	21-2031-0-1-051	Budget plan (amounts for PROCUREMENT actions programed)				Obligations	
		1987 actual	1988 est.	1989 est	1987 actual	1988 est.	1989 est.
<b>Program by activities:</b>							
<b>Direct program:</b>							
00.0101	Aircraft	1,550,648			1,430,421	78,772	41,455
00.0201	Modification of aircraft	533,129			397,045	54,361	81,723
00.0301	Spares and repair parts	545,598			512,663	21,419	11,516
00.0401	Support equipment and facilities	102,565			64,711	32,726	5,128
00.9101	Total direct program	2,731,940			2,404,840	187,278	139,822
01.0101	Reimbursable program	65,124			62,202	2,922	
10.0001	Total	2,797,064			2,467,042	190,200	139,822
<b>Financing:</b>							
Offsetting collections from:							
11.0001	Federal funds(-)	-51,327			-51,327		
13.0001	Trust funds(-)	-13,797			-13,797		
21.4002	Unobligated balance available, start of year:						
21.4003	For completion of prior year budget plans						
21.4007	Available to finance new budget plans						
22.4001	Reprogramming from/to prior year budget plan	-6,290					
24.4002	Unobligated balance transferred to other acc						
24.4003	Unobligated balance available, end of year:						
	For completion of prior year budget plans	55,100			323,732	139,822	
	Available to finance subsequent year budget				55,100		
39.0001	Budget authority	2,780,750			2,780,750	-29,200	
40.0001	Budget authority:						
40.0017	Appropriation	2,780,750			2,780,750	-29,200	
43.0001	Appropriation rescinded						
	Appropriation (adjusted)	2,780,750			2,780,750	-29,200	

Army

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

Identification code	21-2031-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)			Obligations	
		1987 actual	1988 est.	1989 est.	1987 actual	1988 est.
Program by activities:						
Direct program:						
00.0101	Aircraft		1,420,195		1,195,078	145,932
00.0201	Modification of aircraft		628,116		541,191	57,005
00.0301	Spare and repair parts		517,122		443,174	48,092
00.0401	Support equipment and facilities		152,973		131,098	14,226
00.9101	Total direct program		2,718,406		2,310,541	265,255
01.0101	Reimbursable program		133,800		133,600	
10.0001	Total		2,852,206		2,444,341	265,255
Financing:						
Offsets collections from:						
11.0001	Federal funds(-)		-53,000		-53,000	
13.0001	Trust funds(-)		-80,800		-80,800	
21.4002	Unobligated balance available, start of year: For completion of prior year budget plans					-407,865
24.4002	Unobligated balance available, end of year: For completion of prior year budget plans				407,865	142,610
40.0001	Budget authority (Appropriation)		2,718,406		2,718,406	

Army

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

Identification code	Budget Plan (amounts for PROCUREMENT actions programmed)			Obligations	
	1987 actual	1988 est.	1989 est.	1987 actual	1988 est. 1989 est.
Program by activities:					
Direct program:					
00.0101			1,335,638		1,140,459
00.0201			740,065		634,235
00.0301			552,169		470,343
00.0401			163,628		140,229
			2,791,500		2,385,266
00.9101				49,300	49,300
01.0101				2,840,800	2,434,566
10.0001					
Total					
Financing:					
Offsetting collections from:					
11.0001			26,000		-26,000
13.0001			-23,300		-23,300
24.4002					406,234
40.0001			2,791,500		2,791,500
Budget authority (Appropriation)					

AIRCRAFT PROCUREMENT, ARMY

Section 2

Budget Activity Justifications

Activity 1 - Aircraft

Activity 2 - Modification of Aircraft

Activity 3 - Spares and Repair Parts

Activity 4 - Support Equipment and Facilities

1-11 February 1988

Department of the Army Annual Budget Estimates JUSTIFICATION	Appropriation		Amended FY 1988/FY 1989	
	Aircraft Procurement, Army		Biennial Budget	
Program or Budget Project Account	(Thousands of Dollars)			
Budget Program - Activity 1, Aircraft.	Initial		Amended	
	Actual Estimate	Estimate Change	Estimate	Estimate
	FY 1987	FY 1988	FY 1989	FY 1989
Direct Obligation or Direct Budget Plan	1,550,648	1,420,195	712,650	+622,988
Direct Obligation				1,335,638

Section 1 - PURPOSE AND SCOPE

Provides for procurement and manufacture of airplanes, helicopters, and associated aircraft armament, flight simulators, training devices and avionics equipment.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

(\$ in Thousands)  
 FY 1988                  
 \$13,599

Golden Knights Replacement - (P-1 Line Item 1).

In FY 1988, \$13.6 million provides for a competitive procurement of two commercial-type aircraft for the U.S. Army Parachute Team, Golden Knights.

(\$ in Thousands)  
 FY 1988                  
 \$20,000

C-20 Aircraft - (P-1 Line Item 2).

In FY 1988, \$20.0 million was appropriated to procure one C-20 aircraft for use by NATO commanders.

	(\$ in Thousands)	
	FY 1988	FY 1989
	\$194	-

Cessna Skylane - (P-1 Line Item 4).

In FY 1988, \$2 million was appropriated to procure two Cessna-182 type aircraft to replace the two T-41's currently being used by the U.S. Military Academy at West Point for its aviation training mission.

	(\$ in Thousands)	
	FY 1988	FY 1989
	\$43,752	\$69,394

RC-12H/K Reconnaissance Airplane - (P-1 Line Item 5).

In FY 1988, \$43.8 million is allocated to procure three RC-12K reconnaissance aircraft and mission equipment. In FY 1989, \$69.4 million is requested to procure six additional RC-12K aircraft and the associated mission equipment. This system, GUARDRAIL Common Sensor, provides full Signal Intelligence support, including ELINT and COMINT at the Corps level.

	(\$ in Thousands)	
	FY 1988	FY 1989
	\$7,250	-

EH-60A QUICK FIX Electronic Helicopter (Multiyear Procurement) - (P-1 Line Items 6 and 7).

FY 1988 funds provide residual support and costs associated with production termination.

(\$ in Thousands)

FY 1988	FY 1989
<u>\$847,000</u>	<u>\$809,076</u>

AH-64 Attack Helicopter (APACHE) - (P-1 Line Items 8 and 9).

In FY 1988, \$847.0 million was appropriated for the procurement of 77 AH-64 APACHE attack helicopters and three Cockpit Weapons Emergency Procedure Trainers (CWEPT). In FY 1989, \$773.1 million is requested for the procurement of 72 AH-64 APACHE attack helicopters and \$36.0 million for advance procurement to continue production. The APACHE is a twin-engine, two-place, fully integrated anti-armor weapon system capable of destroying tanks and other armored vehicles under day, night and adverse weather conditions. The aircraft employs the HELIFIRE (laser seeking) anti-tank missile, Hydra 70 rockets, and 30mm gun. Target acquisition is accomplished by the Target Acquisition and Designation Sight (TADS) which enables extremely accurate fire with a high first round hit probability. Night navigation is provided by the Pilot Night Vision Sensor (PNVS). The mobility, flexibility, and rapid response of the AH-64 will provide the balance required to help counter the Warsaw Pact threat and allow the AH-64 to be a key member of the Rapid Deployment Force (RDF).

(\$ in Thousands)

FY 1988	FY 1989
<u>\$488,400</u>	<u>\$457,168</u>

UH-60A BLACK HAWK (Multiyear Procurement) - (P-1 Line Items 10 and 11).

In FY 1988, \$488.4 million is allocated for the procurement of 72 UH-60A BLACK HAWK helicopters and procurement of three UH-60 flight simulators. These funds include \$208.4 million for advance procurement of long leadtime items and engines required to support the follow-on multiyear procurement (FY 1988 - 1991) of airframes. A total of \$457.2 million is requested in FY 1989 for procurement of 72 UH-60A BLACK HAWK helicopters. The FY 1989 request includes \$205.6 million for procurement of long leadtime engine and airframe components required to support the multiyear contract. The BLACK HAWK will modernize the Army's utility helicopter fleet. It will enhance tactical mobility with increased speed, lift capacity, range, reliability, availability, maintainability, and survivability at reduced overall operating costs. This utility helicopter is the Army's first true squad carrying helicopter.

Department of the Army Annual Budget Estimates JUSTIFICATION	Appropriation		Amended FY 1988/FY 1989 Biennial Budget	
	Aircraft Procurement, Army		Aircraft Procurement, Army	
Program or Budget Project Account	(Thousands of Dollars)			
	Actual	Estimate	Initial Estimate	Amended Estimate
Budget Program - Activity 2, Aircraft Modifications	FY 1987	FY 1988	FY 1989	FY 1989
Direct Obligation or Direct Budget Plan	533,129	628,116	789,653	-49,588
Direct Obligation				740,065

Section 1 - PURPOSE AND SCOPE

Provides for modification of items and upgrade of equipment procured by the Aircraft Procurement, Army appropriation, including modification kits.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

	(\$ in Thousands)
FY 1988	FY 1989
\$17,484	\$12,212

OV-1 Surveillance Airplane (MOHAWK) - (P-1 Line Items 12 and 13).

The \$17.5 million appropriated in FY 1988 provides advanced procurement (\$5.2 million) for the OV-1 block improvement program and \$11.3 million for an improvement to the AH/UPD-7 Airborne Radar Surveillance System. FY 1989 funding, \$12.2 million, is requested for production of block improvements on the aircraft.

	( \$ in Thousands )
<u>FY 1988</u>	
-	
	<u>FY 1989</u>
	\$31,900

RC-12 Upgrade - (P1 Line Item 14).

In FY 1989, \$31.9 million is requested to procure GUARDRAIL common sensor equipment for retrofit on the GUARDRAIL V aircraft procured in FY 1985.

	( \$ in Thousands )
<u>FY 1988</u>	
-	
	<u>FY 1989</u>
	\$7,508

Airplane, Reconnaissance, RU-21H - (P-1 Line Item 15).

In FY 1989, \$7.5 million is requested for the RU-21H GUARDRAIL V aircraft to upgrade the avionics and electrical components. These aircraft will remain in the active inventory well into the 1990's.

	( \$ in Thousands )
<u>FY 1988</u>	
-	
	<u>FY 1989</u>
	\$29,271

AH-1S Attack Helicopter (COBRA-TOW) - (P-1 Line Item 17).

A total of \$29.3 million is requested in FY 1989: \$17.2 million for cancellation costs of the unamortized tooling costs of COBRA-WITE; \$3.0 million for a TOW missile test set; and \$9.1 million for an improved air particle separator to improve safety, engine life and performance.

( \$ In Thousands )  
 FY 1988      FY 1989  
\$68,451    \$17,330

AH-64 APACHE Modifications - (P-1 Line Item 18).

In FY 1988, \$68.5 million was appropriated for the procurement of the Airborne Target Handover System, Integrated Flight Information Data System, wire strike protection, and incorporation of Air-to-Air Stinger. In FY 1989, \$17.3 million will continue the modifications on the Integrated Flight Information Data System and incorporation of the Air-to-Air Stinger system.

( \$ In Thousands )  
 FY 1988      FY 1989  
\$226,917    \$256,287

CH-47 Cargo Helicopter Modifications (Multiyear Procurement) - (P-1 Line Items 20 and 21).

A total of \$226.9 million was appropriated in FY 1988 for continuation of the CH-47D modernization program and for fleet modifications. In FY 1989, \$256.3 million is requested for continuation of the fleet modernization to the improved CH-47D configuration. Funding also permits the continuation of the T-55-L-11D engine conversion to the T-55-L-712 configuration. Advance procurement for FY 1988 and FY 1989 is \$57.2 million and \$84.4 million, respectively. This program is a multiyear procurement beginning in FY 1985 and continuing through FY 1989. Advance procurement in FY 1989 will support a new multiyear contract for the FY 1990-1992 program. The CH-47 Modernization program includes improvements to the current CH-47A, B, C fleet to modernize it to the greatly improved CH-47D configuration. These improvements increase the aircraft lift capability, endurance, and extend the useful life of the fleet beyond the year 2000. The features greatly enhance reliability, maintainability, productivity, survivability and safety of the Active Army's only medium-lift cargo helicopter.

(\$ in Thousands)	
FY 1988	FY 1989
\$27,011	\$17,376

OH-58 Observation Helicopter (KIOWA) - (P-1 Line Item 23).

In FY 1988, \$27.0 million was appropriated for modifications on the OH-58 helicopter. The Army has no plans to procure any OH-58's in the future. Modification efforts include engine upgrades and the procurement of Air-to-Air Stinger missile launchers and associated electronics. In FY 1989, \$17.4 million is requested to continue the engine upgrade and the Air-to-Air Stinger modifications.

(\$ in Thousands)	
FY 1988	FY 1989
\$7,390	-

UH-1 Utility Helicopter (IROQUOIS) - (P-1 Line Item 24).

A total of \$7.4 million is available in FY 1988 to continue the hub spring modification to reduce the possibility of mast bumping and initiate incorporation of both SINGARS radio and a lightweight multi-band transceiver (AN/ARC-186).

(\$ in Thousands)	
FY 1988	FY 1989
\$38,998	\$28,412

UH-60A (BLACK HAWK) Mods - (P-1 Line Item 25).

The \$39.0 million in FY 1988 and the \$28.4 million requested in FY 1989, will continue to retrofit fielded UH-60 BLACK HAWKS with provisions to accommodate the External Stores Support System (ESSS). ESSS provides the Army with a self-deployment and extended range capability in support of the Rapid Deployment Force mission. Other improvements include the installation of the Hover Infrared Suppressor System, Wire Strike Protection System, SINGARS/Remote 186, SINGARS Radio, the APU particle separator, Flight Data Recorder, Map-of-the-Earth Communications HF/VHF and other modifications associated with the UH-60 aircraft.

	(\$ in Thousands)
FY 1988	FY 1989
\$160,100	\$161,000

Army Helicopter Improvement Program (AHIP) - (P-1 Line Items 26 and 27).

In FY 1988, \$160.1 million was appropriated to procure 36 AHIP configured aircraft and provide \$22.0 million in advance procurement to support FY 1989 production. In FY 1989, \$119.0 million is requested to procure 24 aircraft, \$22.0 million for advance procurement to support continued production in FY 1990, and \$20.0 million is requested to procure Air-to-Air Stinger.

	(\$ in Thousands)
FY 1988	FY 1989
\$972	\$2,732

Airborne Avionics - (P-1 Line Item 28).

The \$1.0 million appropriated in FY 1988 and the \$2.7 million requested in FY 1989 will provide airborne avionics modifications and the initiation of upgrades for the Tactical Approach Radar.

	(\$ in Thousands)
FY 1988	FY 1989
\$96	\$13,050

Aircraft Survivability Equipment (ASE) Modifications Close Combat - (P-1 Line Item 29).

In 1988, \$1.1 million funds the secure lighting modification for the M-130. The FY 1989 request will provide for modification of the AN/AQ-144, M-130 secure lighting, and kits to install the new antenna for the AN/APR-39A Radar Warning Receiver.

(\$ in Thousands)

FY 1988	FY 1989
<u>\$25,797</u>	<u>\$23,978</u>

Aircraft 9WW - (P-1 Line Item 31).

A total of \$25.8 million was appropriated in FY 1988 and \$24.0 million is requested in FY 1989 for a classified program. Program description is provided separately.

(\$ In Thousands)

FY 1988	FY 1989
<u>\$54,900</u>	<u>\$139,009</u>

Special Operations Forces (SOF) Modifications - (P-1 Line Items 32 and 33).

A total of \$54.9 million in FY 1988 will be used to support Special Operations Aviation including \$13.4 million for long lead items for use on production of aircraft. In FY 1989, \$139.0 million continues this modification effort, with \$82.9 million required for modifications to MH-47E and MH-60K and \$56.1 million required for advanced procurement in support of the FY 1990 program. The Special Operations Forces Aircraft Modifications program provides for necessary modifications to upgrade MH-60K and MH-47E helicopters to configurations necessary to conduct precision navigation, extended range operations at tactical altitudes through unfamiliar mountainous terrain in support of special operations forces.

Department of the Army Annual Budget Estimates JUSTIFICATION	Appropriation		Amended FY 1988/FY 1989	
	Aircraft Procurement, Army		Biennial Budget	
Program or Budget Project Account	(Thousands of Dollars)			
	Initial		Amended	
Budget Program - Activity 3, Spares and Repair Parts	Actual	Estimate	Estimate	Change
Direct Obligation or Direct Budget Plan	FY 1987	FY 1988	FY 1989	FY 1989
Direct Obligation	545,598	517,122	553,069	-900
				552,169

Section 1 - PURPOSE AND SCOPE

Provides for procurement of depot repairable spares and repair parts including provisioning (initial issue), replenishment, mobilization reserve, and avionics spares.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

(\$ in Thousands)

FY 1988	FY 1989
517,122	552,169

Spares and Repair Parts - (P-1 Line Item 34).

Initial Spares: A total of \$154.3 million was appropriated in FY 1988 and \$164.6 million is requested in FY 1989 to procure spares and repair parts in support of initial fielding of new or modified systems. These funds also support the procurement of aircraft engines and engine modules over the life cycle of the aircraft. Spares are an integral part of the development of any aircraft system (new procurement or modification). Initial spares are ordered to support the major item delivery and fielding schedule to preclude grounding the system for lack of spare parts. Aircraft end items supported in FY 1988/1989 are:

(Dollars in Millions)	
Program	FY 89
AH-64	\$ 83.9
UH-60A	37.8
RC-12D	8.8
	FY 88
	\$ 92.7
	26.7
	9.7

Program	(Dollars in Millions)	
	FY 88	FY 89
OV-1	\$ -	\$ .7
AH-1S	7.2	.4
CH-47	5.4	1.8
AHIP	-	9.0
Ground Support Equipment	.8	.7
Night Vision Goggles	1.7	.9
Aircraft Survivability Equipment	3.7	15.8
Air-to-Air Stinger	3.6	2.2
Avionics	2.7	2.6
Total Initial	<u>\$154.3</u>	<u>\$164.6</u>

Replenishment Spares: A total of \$362.8 million was appropriated in FY 1988 and \$387.6 million is requested in FY 1989. The peacetime replenishment spares support the Army's flying hour program, depot and pipeline requirements for the life of the system. War reserve spares provide initial combat surge support until resupply can be established.

Department of the Army Annual Budget Estimates JUSTIFICATION Program or Budget Project Account	Appropriation		Amended FY 1988/FY 1989	
	Aircraft Procurement, Army		Biennial Budget	
	(Thousands of Dollars)			
	Actual	Estimate	Initial	Amended
Budget Program - Activity 4, Support Equipment and Facilities	FY 1987	FY 1988	Estimate	Estimate
Direct Obligation or Direct Budget Plan	102,565	152,973	FY 1989	FY 1989
Direct Obligation		174,167		-10,539 163,628

Section 1 - PURPOSE AND SCOPE

Provides for aircraft survivability equipment, avionics support equipment, common ground equipment including tool sets, shop sets and components thereof, ground handling/servicing equipment, special test and diagnostic equipment, fixed base airfield support equipment (air traffic control), and aviation life support equipment (ALSE); for tactical air traffic control systems; for industrial facilities including provisions for industrial facilities, depot maintenance plant equipment and value engineering; and for war consumables including lightweight rocket launchers.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Aircraft Survivability Equipment (ASE) (MYP) - (P-1 Line Items 35 and 36).

	(\$ in Thousands)
FY 1988	FY 1988
\$77,692	\$85,011

The \$77.7 million appropriated in FY 1988 and the \$85.0 million requested in FY 1989 will procure AN/APR-39A(V)1 radar warning receivers for scout/attack helicopters. In FY 1988 funds will also initiate a two-year multiyear program to equip the Special Electronic Mission Aircraft (SEMA) fleet with the AN/ALQ - 136(V)2 radar jammer, procure 346 AN/ALQ - 144 (V)3 infrared jammers for attack helicopters and procure 8 AN/ALQ - 62(V)2 continuous wave radar jammers for SEMA aircraft. FY 1989 funds will continue the AN/ALQ - 136(V)2 multiyear and also procure 49 AN/AVR-2 laser warning receivers for scout/attack helicopters, procure 166 AN/ALQ - 144A for scout/attack helicopters and procure 618 M-130 general purpose dispensers.

	( \$ In Thousands)
FY 1988	FY 1989
<u>\$23,563</u>	<u>\$22,230</u>

Avionics Support Equipment - (P-1 Line Item 37).

The \$23.6 million appropriated in FY 1988 and the \$22.2 million requested in FY 1989 provide aviation night vision goggles.

	( \$ in Thousands)
FY 1988	FY 1989
<u>\$28,125</u>	<u>\$32,323</u>

Common Ground Equipment - (P-1 Line Item 38).

In FY 1988, \$28.1 million was appropriated for Common Ground Equipment. In FY 1989, \$32.3 is requested for procurement of Sets, Kits, and Outfits; Aviation Ground Support Equipment; Aviation Life Support Equipment, Airfield Support Equipment; Position Locator Systems, Survival Radio Equipment and individual items costing less than \$2.0 million. Sets, Kits, and Outfits are required to fill shortages, replace obsolete equipment and to continue implementation of the three level maintenance concept. Aviation Ground Support Equipment provides for the acquisition of aircraft ground power units, vibrex analyzers, test equipment. Other Airfield Support Equipment is required to maintain the fixed base air traffic control capability at Army airfields/heliports by replacing aging or obsolete equipment. Aviation Life Support Equipment includes items oriented on improving crew member survivability in an NBC environment or aircraft crash. Survivor radios and position locator systems are required to alleviate the present shortage of equipment used for rescue of downed aircraft and aircrew members. Items less than \$2.0 million contains a grouping of test equipment for the maintenance of avionics.

	( \$ In Thousands)
FY 1988	FY 1989
<u>\$2,885</u>	<u>-</u>

Air Traffic Control - (P-1 Line Item 39).

A total of \$2.9 million was appropriated in FY 1988 to continue the procurement of tactical Air Traffic Control (ATC) systems to fill critical shortages of equipment in both Active and Army National Guard units.

	( \$ in Thousands )
FY 1988	FY 1989
\$17,610	\$20,997

Industrial Facilities - (P-1 Line Item 40).

The \$17.6 million appropriated in FY 1988 is for support of the Army Aviation Program Industrial Facilities. The \$21.0 million requested in FY 1989 includes \$15.7 million for rehabilitation and provision of industrial equipment, \$4.3 million for depot maintenance plant equipment and \$1.0 million for the value engineering program.

	( \$ in Thousands )
FY 1988	FY 1989
\$3,068	\$3,067

War Consumables - (P-1 Line Item 41).

The \$3.1 million appropriated in FY 1988 and the \$3.1 million requested in FY 1989 are for M260 and M261 Lightweight Rocket Launchers to be used on the AH-1 COBRA/TOW and AH-64 attack helicopters. These launchers are required in order to fire the new family of Hydra 70 rockets with remote set fuzing options.

AIRCRAFT PROCUREMENT, ARMY

Section 3

Comparison of Program Requirements and Financing

Comparison of FY 1988 program requirements as reflected in FY 1983/1989 budget with FY 1988 program requirements as shown in FY 1989 amended budget.

Comparison in FY 1988 financing as reflected in FY 1988/1989 budget with FY 1988 financing as shown in FY 1989 amended budget.

Comparison of FY 1987 program requirements as reflected in FY 1988/1989 budget with FY 1987 program requirements as shown in FY 1989 amended budget.

Comparison of FY 1987 financing as reflected in FY 1988/1989 budget with FY 1987 financing as shown in FY 1989 amended budget.

I-26 February 1988

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

Appropriation Aircraft Procurement, Army	FY 1988 Requirements Per FY 1988/1989 Budget	FY 1988 Requirements Per FY 1989 Amended Budget	Increase (+) or Decrease (-)
Activity 1 - Aircraft	1,197,556	1,420,195	+222,639
Activity 2 - Modification of Aircraft	608,308	628,116	+ 19,808
Activity 3 - Spares and Repair Parts	512,122	517,122	+ 5,000
Activity 4 - Support Equipment and Facilities	<u>155,973</u>	<u>152,973</u>	- 3,000
TOTAL	2,473,959	2,718,406	+244,447

EXPLANATION BY ACTIVITY

Activity 1 - Aircraft - Net increase results from Congressional actions that provide for the C-20 aircraft (+\$20,000), AH-64 (+\$192,415), and UH-60 (+\$39,980), and reduce RC-120 (-\$6,000) and EH-60 (-\$18,756), and a below threshold reprogramming from UH-60 (-\$5,000) to Spares and Repair Parts.

Activity 2 - Modification of Aircraft - Net increase is due to Congressional actions to AH-64 Mods (-\$10,300), CH-47 (-\$5,000), OH-58 (-\$10,000), AHIP (+\$112,000) and SOF Aircraft (-\$66,892), and internal Army adjustments to RV-21H (-\$3,174), UH-1 (-\$2,026) and UH-60 (+\$5,200).

Activity 3 - Spares and Repair Parts - Increase is due to below threshold reprogramming from UH-60 to replenishment spares (+\$5,000).

Activity 4 - Support Equipment and facilities - Decrease is due to Congressional reduction in Aircraft Survivability Equipment (-\$3,000).

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

Appropriation	(In Thousands of Dollars)		Increase (+) or Decrease (-)
	Financing Per FY 1988/89 Budget	Financing Per FY 1989 Amended Budget	
Aircraft Procurement, Army			
Program Requirements (Total)	2,491,859	2,852,206	+360,347
Program Requirements (Service Account)	(2,473,959)	(2,718,406)	(+244,447)
Program Requirements (Reimbursable)	(17,900)	(133,800)	(+115,900)
Less:			
Anticipated reimbursements	-17,900	-133,800	-115,900
Unobligated balance available from prior year to finance new budget plans		- 87,100	- 87,100
Add:			
Unobligated balance transferred to other accounts		19,610	+ 19,610
Reprogramming from prior year budget plans		6,290	+ 6,290

**BUDGET AUTHORITY**

Appropriation

2,473,959                      2,657,206                      +183,247

**EXPLANATION:**

The reimbursement program (offsetting collection) increased in FY 1988 by \$115,900 because of new orders anticipated from Foreign Military Sales. The unobligated balances available at the start of the year were adjusted as follows: The -\$87,100 resulted from FY 1988 Congressional rescissions in FY 1986 of \$32,000, and FY 1987 of \$55,100. The \$6,290 represents reprogrammings awaiting Congressional approval. The \$19,610 represents Congressional approved reprogrammings.

COMPARISON OF FY 1987 PROGRAM REQUIREMENTS  
AS REFLECTED IN FY 1988/1989 BUDGET WITH  
FY 1987 PROGRAM REQUIREMENTS AS SHOWN IN FY 1989 AMENDED BUDGET  
SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation Aircraft Procurement, Army	Total Program Requirements		Program Requirements		Increase (+) or Decrease (-)
	Per FY 1988/89 Budget	Per FY 1989 Amended Budget	Per FY 1989 Amended Budget	Per FY 1989 Amended Budget	
Activity 1 - Aircraft:		1,584,177	1,550,648		-33,529
Activity 2 - Modification of Aircraft		503,425	533,129		+29,704
Activity 3 - Spares and Repair Parts		558,599	545,598		-13,001
Activity 4 - Support Equipment and Facilities		108,649	102,565		-6,084
TOTAL	2,754,850	2,731,940			-22,910

Explanation by Activity

Activity 1 - Aircraft - Net decrease is due to Congressional actions and internal Army adjustments that decreased C-20 (-\$3,520), EH-60 (-\$16,053), and AH-64 (-\$19,139). These reductions were offset by a Congressional increase to UH-60 (+\$5,183).

Activity 2 - Modification of Aircraft - Net increase is due to Congressional actions and internal Army adjustments that decreased OV-1 (-\$4,450), RV-1 (-\$1,982), AH-1S (-\$302), CH-47 (-\$4,870), CH-54 (-\$295), UH-1 (-\$455), and ASE Mods (-\$3,419). Increases occur in AH-64 Mods (+\$9,051), GPWS (+\$5,565), UH-60 (+\$9,899), AHIP (+\$320), Airborne Avionics (+\$1,998), Mods under \$24 (+\$2,216), 9MM (+\$7,730), and SOF Mods (+\$8,698).

Activity 3 - Spares and Repair Parts - Net decrease is due to reduction in replenishment spares (-\$13,001).

Activity 4 - Support Equipment and Facilities - Net decrease is due to decreases in Aircraft Survivability Equipment (-\$721), Avionics Support Equipment (-\$7,895), Industrial Facilities (-\$320), and War Consumables (-\$116). Increase occurred in Common Ground Equipment (+\$2,968).

COMPARISON OF FY 1987 FINANCING AS REFLECTED  
IN THE FY 1988/1989 BUDGET WITH FY 1987 FINANCING  
AS SHOWN IN FY 1989 AMENDED BUDGET

	(In Thousands of Dollars)		
	Financing Per FY 1988/1989 Budget	Financing Per FY 1989 Amended Budget	Increase (+) or Decrease (-)
Program Requirements (Total)	2,798,650	2,797,064	- 1,586
Program Requirements (Service Account)	(2,754,850)	(2,731,940)	(-22,910)
Program Requirements (Reimbursable)	(43,800)	(65,124)	(+21,324)
<b>Less:</b>			
Anticipated reimbursements	-43,800	-65,124	-21,324
Unobligated balance available from prior year to finance new budget plans	-108,200	-108,200	-
Reprogramming from/to prior year budget plans	27,740	-59,844	-87,584
Unobligated balance rescinded: Appropriation	94,400	-	-94,400
<b>Add:</b>			
Unobligated balance transferred to other accounts	-13,940	28,319	+42,759
Unobligated balance available to finance subsequent year budget plans		87,100	+87,100
Unobligated balance lapsing		6,535	+ 6,535
<b>BUDGET AUTHORITY</b>		2,686,350	-68,500
Appropriation	2,754,850		

**EXPLANATION:**

The reimbursable program (offsetting collections) increased because of additional Foreign Military Sales orders that were not previously planned.

The unobligated balance available at the start of the year to finance new budget plans differs because of program changes and changes in the use of treasury code structure. This structure change now spreads the \$94,400 associated with an FY 1987 Congressional rescission for FY 1985 and FY 1986 to the other subentries. Other differences resulted from an FY 1983 reprogramming for Foreign Currency Fluctuations and new FY 1985 reprogramming into the Military Pay and Operating Appropriations.

The unobligated balance available at the end of the year to finance subsequent year budgets resulted from an FY 1988 Congressional rescission affecting FY 1987 and FY 1986. At the end of FY 1987, \$6,535 of FY 1985 appropriated funds lapsed.

AIRCRAFT PROCUREMENT, ARMY

Section 4

Status of Aircraft Modification Programs

1-31 February 1988

Status of Aircraft Modification Program

FY 1986 Modification Programs

Programs as of 31 December 1987 (\$ Million)

<u>Program</u>	<u>Appropriated</u>	<u>Reprogramming</u>	<u>Total Program Value</u>	<u>Total Obligations</u>	<u>Total Disbursements</u>
Airplane, Surveillance, OV-1	19.6	+ .6	20.2	20.1	5.0
Airplane, Reconnaissance, RC-12D	-	+ .1	.1	.1	-
Airplane, Reconnaissance, RV-1	-	+ .2	.2	.2	-
Helicopter, Attack, AH-1S	112.9	-19.0	93.9	81.0	10.4
Helicopter, Cargo, CH-47	296.0	-14.9	281.1	277.4	260.8
Helicopter, Cargo, CH-54	.5	-	.5	-	-
Helicopter, Observation, OH-58	-	+32.0	32.0	-	-
Helicopter, Utility, UH-1	11.1	- 5.6	5.5	5.2	3.1
UH-60A Mods	12.9	+ 7.9	20.8	19.8	15.4
Army Helicopter Improvement Program (AHIP)	167.7	+10.5	178.2	177.5	99.4
Airborne Avionics	1.0	- .7	.3	.3	.3
Modifications under \$900,000	.1	+ .1	.2	.2	.1
Aircraft 9MW	15.5	-	15.5	15.0	4.7

Status of Aircraft Modification Program

FY 1987 Modification Programs

Programs as of 31 December 1987 (\$ Million)

<u>Program</u>	<u>Appropriated</u>	<u>Reprogramming</u>	<u>Total Program Value</u>	<u>Total Obligations</u>	<u>Total Disbursements</u>
Airplane, Surveillance, OV-1	9.8	-4.5	5.3	2.6	-
Airplane, Reconnaissance, RV-1	2.6	-1.9	.7	.2	-
Helicopter, Attack, AH-1S	25.4	-.3	25.1	25.0	7.0
AH-64 Mods	32.6	+9.1	41.7	15.3	.4
Helicopter, Cargo, CH-47	256.0	-4.9	251.1	225.1	2.0
Helicopter, Cargo, CH-54	1.3	-.3	1.0	-	-
Ground Proximity Warning System	6.9	-1.3	5.6	-	-
Helicopter, Utility, UH-1	6.2	-.5	5.7	3.0	-
UH-60A Mods	7.5	+9.9	17.4	10.7	3.6
Army Helicopter Improvement Program (AHIP)	146.7	+.4	147.1	108.9	7.6
Airborne Avionics	.1	+2.0	2.1	2.0	.1
Aircraft 9MW	11.7	+7.8	19.5	16.5	9.2
Modifications under \$2.0M	.1	+2.2	2.3	1.7	.3
ASE Mods Close Combat	3.4	-3.4	0	-	-
SOF Aircraft Mods	-	+8.7	8.7	-	-

Status of Aircraft Modification Program

FY 1988 Modification Programs

Programs as of 31 December 1987 (\$ million)

<u>Program</u>	<u>Appropriated</u>	<u>Reprogramming</u>	<u>Total Program Value</u>	<u>Total Obligations</u>	<u>Total Disbursements</u>
Airplane, Surveillance, OV-1	17.5	-	17.5	-	-
Airplane, Reconnaissance, RV-21H	3.2	-3.2	0	-	-
AH-64 Mods	68.4	-	68.4	-	-
Helicopter, Cargo, CH-47	226.9	-	226.9	198.7	-
Helicopter, Observation, OH-58	27.0	-	27.0	11.2	-
Helicopter, Utility, UH-1	9.4	-2.0	7.4	3.0	-
UH-60A Mods	33.8	+5.2	39.0	-	-
Army Helicopter Improvement Program (AHIP)	160.1	-	160.1	-	-
Airborne Avionics	1.0	-	1.0	-	-
ASE Mods Close Combat	.1	-	.1	-	-
Aircraft 9MW	25.8	-	25.8	-	-
SOF Aircraft	54.9	-	54.9	-	-

**AIRCRAFT PROCUREMENT, ARMY**

**Section 5**

**Flight Simulator Procurement Program**

**Exhibit PB-32E**

**Exhibit P-43**

**1-35 February 1983**

FLIGHT SIMULATOR DATA SHEET  
FY 1989 Amended Budget Estimate

Simulator Model: UH-60 Flight Simulator (2B38)

Aircraft System Supported: UH-60A BLACK HAWK

Description of Simulator: The production UH-60 BLACK HAWK Flight Simulator consists of a single cockpit mounted on a six degree-of-freedom motion system which is computer controlled. The design baseline for the simulator cockpit configuration and system performance is UH-60A aircraft number 82-23748. The cockpit is an exact replica of the design base aircraft from the trainee station forward. The Army Tactical Digital Image Generator (ATACDIG) produces the visual scene presented to the pilot and copilot.

The simulator is designed to provide institutional and unit continuation training in normal operating and emergency procedures and tactical operations. To simulate a tactical combat environment the ATACDIG visual system provides interactive ground and air moving threat vehicles. The simulator can train: low level, contour, NOE, confined areas, pinnacle operations, sling loads, and formation flight.

Development Status: Program provides for 15 production units plus the retrofit of one prototype unit with contract award for units 13-15 in December 1987.

<u>Funding Data:</u> (In Millions)	<u>FY 1986</u>	<u>FY 1987</u>	<u>FY 1988</u>	<u>FY 1989</u>
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Quantity	(3)		(3)	-
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Procurement (Aircraft)	\$33.9		\$39.5	-
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Basis for FY 1988 Request: Production of UH-60 simulators falls under a firm, fixed price contract, a five year conventional multiyear contract approved for prior year procurements.

Contract Data: The Basis for Issue is 15 production units plus the retrofit of 1 prototype unit (2 cockpits), with plans to upgrade previously procured simulators to support changes in the aircraft under a pre-planned product improvement program in FY 1988. FY 1985 units awarded in November 1984 and delivered in January 1988; FY 1986 units awarded in November 1985 and delivered in January 1989; and FY 1988 units awarded in December 1987 and delivered in January 1990.

EXHIBIT PB-32E

1-36 February 1988

FLIGHT SIMULATOR DATA SHEET  
FY 1989 Amended Budget Estimate

Simulator Model: AH-64 Combat Mission Simulator (2B40)

Aircraft System Supported: AH-64 Attack Helicopter (APACHE)

Description of Simulator: The prototype AH-64 Combat Mission Simulator will be designed to provide a training capability for flight and weapon delivery, normal and emergency procedures, and sensor system operating tasks required in the operational design basis helicopter. The simulator will consist of pilot and copilot/gunner trainee modules, instructor modules, motion subsystems, visual subsystems, and a computer complex. The pilot and copilot/gunner trainee modules will be replicas of the actual aircraft cockpits and each will be mounted on a six degree-of-freedom of motion base. The visual subsystem will provide a current state-of-the-art out-the-window scene and sensor imagery to each of the appropriate crew-member video displays. Simulated imagery includes Forward Looking Infrared (FLIR), Day Television (DTV), and Direct View Optics (DVO). Pilot displays consist of the Integrated Helmet and Display Sight System Helmet Display Unit (IHADSS HDU) and a panel mounted Video Display Unit (VDU). Gunner displays include the IHADSS HDU, a target acquisition and designation sight Heads Down Display (HDD), and a TADS Heads Out Display (HOD). The simulator will be operated through the computer complex which will fulfill subsystem interface requirements. The training functions will be controlled from the instructor's station located behind each trainee module. The pilot and copilot/gunner will have the capability to train individually or may train as a team performing an integrated combat mission.

Development Status: Six production devices in addition to the prototype are planned in the Basis of Issue Plan. The production devices will be similar to the prototype with plans in FY 1988 to upgrade all devices (visual systems and aircraft configuration) under a pre-planned product improvement program.

<u>Funding Data:</u> (In Millions)	<u>FY 1986</u>	<u>FY 1987</u>	<u>FY 1988</u>	<u>FY 1989</u>
Quantity	(4)	-	(3)	
Procurement (Aircraft)	62.8	-	\$12.2	-
RDT&E	-	-	-	-
Total	62.8	-	\$12.2	-

Basis for FY 1988 Request: In FY 1988, upgrade of devices (visual system and aircraft configuration) will be accomplished, along with the acquisition of three AH-64 Cockpit, Weapons Emergency Procedures Trainers (CWEPT).

Contract Data: In FY 1988, CWEPT award is scheduled for March 1988 with delivery in April 1989.

3361 10/11/88 1988

FY 1989 AMENDED BUDGET ESTIMATE  
FLIGHT SIMULATOR AND OTHER AIRCRAFT TRAINING EQUIPMENT

EXHIBIT P-43

(Dollars in Millions)

APPROPRIATION: Aircraft Procurement, Army

<u>Weapon System</u>	<u>Equipment Nonenclature</u>	<u>P--1 Line Item</u>	<u>FY 1986 Qty/Amount</u>	<u>FY 1987 Qty/Amount</u>	<u>FY 1988 Qty/Amount</u>	<u>FY 1989 Qty/Amount</u>
UH-60 (2B38)(SSNA09400)	FS	10	3 33.9	- -	3 39.5	- -
AH-64 (2B40)(SSNA09000)	FWS	8	4 62.8	- -	3 12.2	- -