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# DEPARTMENT OF THE AIR FORCE

AD-A256 348



AMENDED FY 1992/FY 1993 BIENNIAL BUDGET ESTIMATES  
SUBMITTED TO CONGRESS JANUARY 1992



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Missile Procurement, Air Force

92-27809

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DEPARTMENT OF THE AIR FORCE

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MISSILE PROCUREMENT. AIR FORCE

For construction, procurement, and modification of missiles, spacecraft, rockets, and related equipment, including spare parts and accessories therefor, ground handling equipment, and training devices; expansion of public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and acquisition of land, for the foregoing purposes, and such lands and interests therein, may be acquired and construction prosecuted thereon prior to approval of title; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes including rents and transportation of things: [\$5,235,450,000] \$5,378,708,000 to remain available for obligation until September 30, [1994] 1995.

Missile Procurement, Air Force  
Program and Financing (in Thousands of dollars)

Budget Plan (amounts for PROCUREMENT  
actions programmed)

Obligations

Identification code	57-3020-0-1-051	1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.
<b>Program by activities:</b>							
<b>Direct program:</b>							
00.0101		410,515	240,142	40,300	337,143	363,655	192,343
00.0201	Ballistic missiles	1,759,151	1,355,936	1,212,648	1,868,223	1,359,768	1,639,298
00.0301	Other missiles	109,373	203,734	240,389	99,101	246,610	216,727
00.0401	Modification of inservice missiles	76,364	89,959	54,942	106,873	91,386	59,264
00.0501	Spare and repair parts	3,829,684	3,328,779	3,830,429	3,926,109	3,254,456	3,504,926
00.0501	Other support						
00.9101	Total direct program	6,185,087	5,217,950	5,378,708	6,337,449	5,315,875	5,612,558
01.0101	Reimbursable program	282,180	425,300	428,300	128,167	588,272	428,300
10.0001	Total	6,467,267	5,643,250	5,807,008	6,465,616	5,904,147	6,040,858
<b>Financing:</b>							
<b>Offsetting collections from:</b>							
11.0001	Federal funds(-)	-125,659	-422,600	-425,500	-127,143	-422,600	-425,500
13.0001	Trust funds(-)	-156,617	-2,700	-2,800	-155,706	-2,700	-2,800
14.0001	Non-Federal sources(-)	96			96		
17.0001	Recovery of prior year obligations				-69,543		
21.4002	Unobligated balance available, start of year:						
21.4003	For completion of prior year budget plans	-216,581	-223,000		-1,808,441	-1,766,073	-1,505,176
21.4009	Available to finance new budget plans	-114,135			-216,581	-223,000	
22.0001	Reprogramming from/to prior year budget plan	21,300			21,300		
22.0001	Unobligated balance transferred to other acco						
24.4002	Unobligated balance available, end of year:						
24.4003	For completion of prior year budget plans	223,000			1,766,073	1,505,176	1,271,326
25.0001	Available to finance subsequent year budget	76,835			223,000		
25.0001	Unobligated balance expiring				76,835		
39.0001	Budget authority	6,175,506	4,994,950	5,378,708	6,175,506	4,994,950	5,378,708
<b>Budget authority:</b>							
40.0001	Appropriation	5,811,168	5,235,450	5,378,708	5,811,168	5,235,450	5,378,708
40.3601	Appropriation rescinded (unob bal)	-216,581	-96,000		-216,581	-96,000	
40.7503	Reduction pursuant to P.L.102-172 (-)		-17,500			-17,500	
41.0001	Transferred to other accounts (-)	-64,781	-127,000		-64,781	-127,000	
42.0001	Transferred from other accounts	645,700			645,700		
43.0001	Appropriation (adjusted)	6,175,506	4,994,950	5,378,708	6,175,506	4,994,950	5,378,708

Missile Procurement, Air Force  
 Program and Financing (in Thousands of dollars)

Obligations

Budget Plan (amounts for PROCUREMENT  
 actions programmed)

Identification code	57-3020-0-1-051	1991 actual	1992 est.	1993 est.	1991 actual	1992 est.	1993 est.
Relation of obligations to outlays:							
71.0001	Obligations incurred				6,182,863	5,476,847	5,612,558
72.4001	Obligated balance, start of year				10,079,377	9,550,443	8,734,997
74.4001	Obligated balance, end of year				-9,550,443	-8,734,987	-8,606,001
77.0001	Adjustments in expired accounts (net)				283,791		
78.0001	Adjustments in unexpired accounts				-69,543		
90.0001	Outlays (net)				6,906,046	6,294,293	5,741,554

Missile Procurement, Air Force  
Object Classification (in Thousands of dollars)

Identification code	57-3020-0-1-051	1991 actual	1992 est.	1993 est.
Direct obligations:				
131.001	Equipment	6,337,449	5,315,875	5,612,558
199.001	Total Direct obligations	6,337,449	5,315,875	5,612,558
Reimbursable obligations:				
231.001	Equipment	128,167	588,272	428,300
299.001	Total Reimbursable obligations	128,167	588,272	428,300
999.901	Total obligations	6,465,616	5,904,147	6,040,858

**ACTIVITY: 1. Ballistic Missiles**

(In Thousands of Dollars)

FY 1993 Amended Estimate	\$ 40,300
FY 1993 Change	-4,613
FY 1993 Initial Estimate	44,913
FY 1992 Estimate	240,142
FY 1991 Estimate	410,515

**SECTION I - PURPOSE AND SCOPE**

This activity provides for complete operational intercontinental ballistic missiles, including the airframe structure and installed power units, communications guidance and control equipment, re-entry vehicle (excluding nuclear payloads), instruments and auxiliary equipment installed in the missiles, and penetration aids. It also provides for peculiar support equipment in direct support of operational ballistic missiles including ground guidance and control systems, equipment to maintain the operational status of the system, specialized ground handling equipment, and system trainers. The ground equipment is used to transport, assemble and disassemble, maintain, checkout, launch, and guide ballistic missiles. Specialized training equipment includes system trainers for proficiency training of maintenance and operator crews. This activity also provides for the modernization of the ballistic missile launch and launch control facilities and the integration of new equipment into the launch control center. It includes hardware, training equipment, data and site activation effort required to modernize ballistic missile facilities. Also included is replacement equipment for ballistic missile weapon systems. Replacement equipment requirements provide for peculiar support equipment for out-of-production systems, equipment common to several systems, and equipment required by specialized repair activities.

SECTION 11 - JUSTIFICATION OF FUNDS REQUESTED

REPLACEMENT EQUIPMENT - STRATEGIC (BALLISTIC)

(In Thousands of Dollars)

FY 1992		FY 1993	
QTY	AMOUNT	QTY	AMOUNT
-	45,600	-	40,300

Replacement equipment includes items to replace peculiar and common support equipment worn out or damaged beyond economical repair and common items required for new ballistic missile systems entering the inventory. It provides for the replacement of organizational and base level missile support equipment.



**ACTIVITY: 2. Other Missiles**

(In Thousands of Dollars)

FY 1993 Amended Estimate	\$1,212,648
FY 1993 Change	-1,073,026
FY 1993 Initial Estimate	2,285,674
FY 1992 Estimate	1,355,336
FY 1991 Estimate	1,759,151

**SECTION I - PURPOSE AND SCOPE**

This activity provides funds for procurement of strategic air-to-ground cruise missiles, tactical ground-to-ground cruise missiles, tactical air-to-air, air-to-ground and ground-to-air missiles, target drones, and missile replacement equipment. Weapon system cost includes flyaway costs (airframe, propulsion equipment, electronics and armament), peculiar support equipment (PSE), system peculiar training equipment and publications, and technical data.

**SECTION II - JUSTIFICATION OF FUNDS REQUESTED**

The FY 1993 amended budget request includes funds for the procurement of the Advanced Cruise Missile, Have Flag, AGM-130 Powered GBU-15, HARM, target drones, Advanced Medium Range Air-to-Air Missile (AMRAAM), Missile Replacement Equipment and Industrial Facilities.

**Strategic Missiles**

**ADVANCED CRUISE MISSILE**

(In Thousands of Dollars)

	<u>FY 1992</u>	<u>FY 1993</u>		
	<u>Qty</u>	<u>Amount</u>	<u>Qty</u>	<u>Amount</u>
	120	500,149	-	-

The Advanced Cruise Missile (ACM) is a low-observable air-launched cruise missile. ACM incorporates substantial improvements in survivability, range, accuracy, and targeting flexibility over current inventory assets. It is being tested for use on both the B-52H and the B-1B aircraft.

HAVE FLAG - Information concerning this program is included in classified budget documentation material.

Tactical Missiles

AGM -130 POWERED GBU-15

(In Thousands of Dollars)

	<u>FY 1992</u>	<u>FY 1993</u>		
	<u>QTY</u>	<u>AMOUNT</u>	<u>QTY</u>	<u>AMOUNT</u>
	120	69,788	80	76,078

The AGM-130 program is a flexible stand-off weapon. The FY 1993 request provides funding to continue low rate production as well as funding for special tooling and test equipment required for full rate production.

AGM-88A HARM

(In Thousands of Dollars)

	<u>FY 1992</u>	<u>FY 1993</u>		
	<u>QTY</u>	<u>AMOUNT</u>	<u>QTY</u>	<u>AMOUNT</u>
	465	112,782	846	218,422

Developed jointly by the Air Force and Navy, the Advanced High-Speed Anti-Radiation Missile (HARM) is an air-to-surface missile that is guided to enemy radar sites by homing in on emitting signals. HARM characteristics include software flexibility, inflight retargeting, high speed, large launch envelope, wide band coverage in a single head, high sensitivity and compatibility with both Air Force and Navy tactical aircraft. The increased sophistication, concentration and lethality of enemy ground based, radar guided, missile and anti-aircraft artillery systems threaten the ability of tactical aviation to accomplish its mission and survive. HARM provides a lethal counter to this threat. In FY 1993 the Air Force will procure 901 missiles.

Advanced Medium Range Air-to-Air Missile (AMRAAM)

(In Thousands of Dollars)

FY 1992		FY 1993	
QTY	AMOUNT	QTY	AMOUNT
630	532,372	1,015	731,386

Developed jointly by the Air Force and Navy, the AMRAAM is an air-to-air missile with significant improvements in operational utility and combat effectiveness over the AIM-7F/M Sparrow missile. It is a radar guided, all-weather, all-environment, beyond-visual-range, air-to-air missile compatible with the F-14, F-15, F-16 and F-18. It will have a performance envelope significantly improved over the AIM-7F/M, increased missile velocity, a "launch and maneuver" employment capability, and the capability for multiple target attack during a single intercept. The FY 1993 request procures 1,015 AMRAAMs.

Target Drones

(In Thousands of Dollars)

FY 1992		FY 1993	
QTY	AMOUNT	QTY	AMOUNT
42	28,739	92	60,883

Target drones are remotely piloted vehicles used to simulate threat aircraft during test and evaluation of air-to-air missiles. Both full-scale and subscale targets with associated augmentation, scoring and countermeasures devices are required. Funding in FY 1993 procures 40 QF-106 full-scale drones and 52 subscale ECM-34A drones.

Industrial Facilities

(In Thousands of Dollars)

FY 1992		FY 1993	
QTY	AMOUNT	QTY	AMOUNT
-	0	-	9,930

The Air Force Industrial Base Program (IBP) combines the resources of several appropriations to create a comprehensive IBP. The goal is to ensure that the defense industry is capable of supplying reliable, cost-effective, systems and components to operational commanders in peacetime and national emergencies. The program acknowledges the industrial base as a vital element in war deterrence and sustainability. Major elements in the overall program include management of twelve government-owned industrial plants, plus support for the Industrial Modernization Incentives Programs (IMIP), production surge and industrial preparedness planning, and the Defense Production Act Title III Program. These activities characterize the critical sectors and industries within the industrial base, make recommendations to resolve deficiencies and bottlenecks, and, where appropriate, execute plans of action designed to enhance the industrial base.

Replacement Equipment

(In Thousands of Dollars)

FY 1992		FY 1993	
QTY	AMOUNT	QTY	AMOUNT
-	29,116	-	27,971

Requirements for replacement equipment provide for peculiar support equipment for weapon systems that are no longer in production, equipment common to several systems, and equipment required by specialized report activities. In FY 1992 and FY 1993 funding is required to procure replacement equipment for the AGM-84 HARPOON, AIM-7 SPARROW, AIM-9 SIDEMINDER, AGM 65-A MAVERICK, AGM-69 SPAM, ALOM, and RAPIER.

**ACTIVITY: 3. Modification of In-service Missiles**

(In Thousands of Dollars)

FY 1993 Amended Estimate	\$240,389
FY 1993 Change	+111,732
FY 1993 Initial Estimate	128,657
FY 1992 Estimate	203,734
FY 1991 Estimate	109,373

**SECTION I - PURPOSE AND SCOPE**

This budget activity provides for modification and modernization of in-service missiles, training devices and support equipment necessary for safety, extension of service life, and to incorporate operational improvements after a missile has entered service. The program is designed to maintain the Air Force inventory at the most modern configuration level at the minimum cost.

**SECTION II - JUSTIFICATION OF FUNDS REQUESTED**

Modifications are necessary to enable strategic offense, defense, tactical, and support forces to maintain superiority over hostile forces and to ensure maximum safety for the missiles and crews.

The FY 1993 programs consist of follow-on requirements for previously initiated modifications as well as new start modifications. Funding is also requested to continue enhancement of readiness. Significant efforts in FY 1993 include:

- (1) Minuteman Rapid Execution and Combat Targeting
- (2) Minuteman Reentry Reconfiguration
- (3) Minuteman III Demirving
- (4) AIM-9M Guidance and Control Section
- (5) Dual Frequency Meech Receiver
- (6) ALOM MUJ-173 Munitions Lift Trailer Conversion

**MODIFICATION OF IN-SERVICE MISSILES  
(\$ IN MILLIONS)**

<u>Missile/Category</u>	<u>FY 1991</u>	<u>FY 1992</u>	<u>FY 1993</u>
HAVNAP	-	1.7	1.2
LGM-30	95.0	151.9	194.6
AGM-65	2.9	4.4	1.5
AGM-129	4.7	12.0	4.9
AIM-9	.2	.9	11.7
AGM-88	1.4	2.1	2.1
AGM-86	3.2	27.9	21.2
LGM118	0	2.3	2.9
OTHER	\$ 1.9	\$ 0.3	\$ 0.3

**HAVE NAP**

(In Thousands of Dollars)

<u>FY 1992</u>	<u>FY 1993</u>
\$1,704	\$1,155

FY 1993 amended budget request funds for retrofit of HAVE NAP missiles delivered during Lots I-IV.

**LGM-30 Minuteman III Modification**

(In Thousands of Dollars)

<u>FY 1992</u>	<u>FY 1993</u>
\$151,973	\$194,600

FY 1993 amended budget request for Minuteman (MM) program continues funding to incorporate the Rapid Execution and Combat Targeting program and several reliability and maintainability modifications. FY 1993 also continues efforts to upgrade MM with Satellite Communication, Dual Frequency, and MM III Reentry Reconfiguration and MM III Reentry System MK 12A. FY 1993 begins an effort to demirv the MM III as well as continue the above programs.

**AGM-65D Maverick**

(In Thousands of Dollars)

<u>FY 1992</u>	<u>FY 1993</u>
\$4,398	\$1,540

FY 1993 amended budget request continues support equipment upgrades for the Maverick missile as well as provide funds for miscellaneous low cost safety, reliability and maintainability modification.



AGA-129, AOM

(In Thousands of Dollars)

<u>FY 1992</u>	<u>FY 1993</u>
\$12,028	\$4,907

FY 1993 amended budget request provides for modification of the Advanced Cruise Missile, to improve reliability, maintainability and correct material deficiencies.

AIM-9 SIDEMINDER

(In Thousands of Dollars)

<u>FY 1992</u>	<u>FY 1993</u>
\$871	\$11,681

FY 1993 amended budget request continues the effort to modify the AIM-9M all-up-round missiles with an upgrade guidance and control section.

AGM-88A, HARM Modification

(In Thousands of Dollars)

<u>FY 1992</u>	<u>FY 1993</u>
\$2,145	\$2,109

The FY 1993 amended budget request provides for retrofit production line changes.

AGM-66A. Air Launched Cruise Missile Modification

(In Thousands of Dollars)

<u>FY 1992</u>	<u>FY 1993</u>
\$27,923	\$21,208

FY 1993 amended budget request continues the safety modification for the MU-173 Lift Trailers.

LGM-118. Peacekeeper Modifications

(In Thousands of Dollars)

<u>FY 1992</u>	<u>FY 1993</u>
\$2,368	\$2,870

FY 1993 amended budget request provides for low cost safety, reliability and maintainability modifications.

Other (Modifications Under \$2.0 Million)

(In Thousands of Dollars)

<u>FY 1992</u>	<u>FY 1993</u>
\$324	\$319

FY 1993 amended budget request provides for low cost safety, reliability and maintainability modifications.

**ACTIVITY: 4. Spares and Repair Parts**

(In Thousands of Dollars)

FY 1993 Amended Estimate	\$ 54,942
FY 1993 Change	-43,276
FY 1993 Initial Estimate	98,218
FY 1992 Estimate	89,959
FY 1991 Estimate	76,364

**SECTION I - PURPOSE AND SCOPE**

This activity provides for procurement of initial spares and repair parts for ballistic missiles, other missiles, and target drones. Included are related provisioning documentation and spares for missile modification programs, peculiar support equipment and training equipment.

**SECTION II - JUSTIFICATION OF FUNDS REQUESTED**

FY 1993 funds are required for spares for weapon systems in production. Initial spares funding requirements are determined by applying standard factors which are based on historical experience. The factors are applied in accordance with type of weapon system, category of support (e.g. air vehicle, support equipment), number of weapon systems in production, production leadtimes, and recurring flyaway costs. Initial spares requirements are validated in the weapon system provisioning process for a specified support period. Replenishment spares include components and repair parts required for the continued support of missiles, drones and related support equipment maintained in the operational inventory. Beginning in FY 1991 the Air Force instituted a new concept of management which transfers funding responsibility for replenishment spares from this central procurement account to the Air Force Stock Fund. Exempt from the Stock Fund are items that are managed by base level classified systems.

**TOTAL BUDGET ACTIVITY 4:**

**SPARES AND REPAIR PARTS:**

	<b>FY 1992</b>	<b>(In Thousands of Dollars)</b>	<b>FY 1993</b>
	<b>89,959</b>		<b>54,942</b>
	<b>FY 1992</b>		<b>FY 1993</b>
<b>INITIAL SPARES</b>			
ACM	<b>15,891</b>		<b>5,859</b>
AIM-120 Advanced Medium			
Range Air-to-Air Missile (ANRAAM)	<b>13,973</b>		<b>6,881</b>
AGM-88A High Speed			
Anti Radiation Missile (HARM)	<b>3,432</b>		<b>6,896</b>
Target Drones	<b>503</b>		<b>1,733</b>
HAVE NAP	<b>2,607</b>		<b>-</b>
AGM-130 powered GBU-15	<b>1,679</b>		<b>341</b>
Subtotal	<b>38,085</b>		<b>21,710</b>

1993

1992

MODIFICATION INITIAL SPARES

AIM-9 Sidewinder	-	291
LGM-30 F/G Minuteman II/IIII	10,770	6,752
LGM-118A Peacekeeper	-	4,706
OTHER PROGRAMS	2,330	918
Subtotal	<u>13,100</u>	<u>12,667</u>
TOTAL INITIAL SPARES	51,185	34,377

REPLENISHMENT SPARES

AIM-7 Sparrow	3,885	1,507
AIM-9 Sidewinder	4,951	2,500
AIM-120 AMRAAM	11,273	2,217
AGM-65D Maverick	683	686
AGM-69A SRAM	1,016	0
AGM-86 ALOM	3,507	182
AGM-88A HARM	2,914	2,980
ADM	6,751	171
LGM-30 Minuteman	339	1,121
LGM-118A Peacekeeper	159	3,092
Target Drones	-	201
HAVE NAP	1,099	4,609
AGM-45 SHRIKE	1,371	1,291
Classified Programs	<u>816</u>	<u>8</u>
Total Replenishment Spares	38,774	20,565
TOTAL BUDGET ACTIVITY 4:	89,959	54,942

**ACTIVITY: 5. Other Support**

(In Thousands of Dollars)

FY 1993 Amended Estimate	\$3,830,429
FY 1993 Change	-388,909
FY 1993 Initial Estimate	4,219,338
FY 1992 Estimate	3,328,779
FY 1991 Estimate	3,829,684

**SECTION I - PURPOSE AND SCOPE**

This activity provides for space programs and special programs. Space programs provide launch vehicles, satellites, peculiar ground support equipment, and miscellaneous launch support requirements other than those chargeable to the Operations and Maintenance appropriation. Special programs are of a sensitive nature and require special access.

**SECTION II - JUSTIFICATION OF FUNDS REQUESTED**

The FY 1993 amended budget request of \$3,830,429 thousand includes \$1,296,166 for operational space programs and \$2,534,263 thousand for special programs.

Communications Security (COMSEC)

(In Thousands of Dollars)

<u>FY 1992</u>		<u>FY 1993</u>	
<u>CITY</u>	<u>AMOUNT</u>	<u>CITY</u>	<u>AMOUNT</u>
-	7,847	-	7,921

This program provides communications security equipment for all critical spaceborne communications systems. Funds requested in this line procure COMSEC products for use in operational space programs. This program is an integral part of the national COMSEC program administered by the National Security Agency. FY 1993 amended budget request provides for the procurement of peculiar anti-jam, data and command authentication encryption/decryption, authentication anti-jam, and weapon system security communication equipment for space and satellite programs.

NAVSTAR Global Positioning System (GPS) (MFP)

(In Thousands of Dollars)

FY 1992		FY 1993	
QTY	AMOUNT	QTY	AMOUNT
4	186,845	6	247,548

The operational NAVSTAR GPS system will consist of 21 satellites in six orbital planes and 3 on orbit spare satellites, a ground control station and thousands of user equipment for all services. Users (military aircraft, ships, ground vehicles, and ground personnel) will be able to precisely determine position (to 16 meters spherical probable error accuracy worldwide), velocity (.1 meters per second), and time (0.1 microseconds) in three dimensions and unimpaird by weather anywhere in the world. GPS's positional accuracy will significantly improve the effectiveness of reconnaissance, weapons delivery, mine countermeasures and rapid deployment for all services. The FY 1993 funding continues the multiyear procurement of 20 Block IIR replenishment satellites. In addition, the FY 1993 amended budget request funds an option for two additional replenishment satellites.

Space Shuttle Operations

(In Thousands of Dollars)

FY 1992		FY 1993	
QTY	AMOUNT	QTY	AMOUNT
-	61,323	-	88,300

The Space Shuttle Operations - Inertial Upper Stage (IUS) program provides funds to procure upper stages to support Air Force operational space programs. The FY 1993 amended budget request provides funds for Inertial Upper Stage (IUS) technical support, engineering change proposals, in-house production support and launch services.



Defense Meteorological Satellite Program (DMSP) (MYP)

(In Thousands of Dollars)

	<u>FY 1992</u>	<u>FY 1993</u>		
	<u>QTY</u>	<u>AMOUNT</u>	<u>QTY</u>	<u>AMOUNT</u>
	2	106,115	-	31,425

DMSP is an advanced weather satellite system that provides timely, worldwide, high quality visible and infrared cloud imagery and other specialized meteorological, oceanographic and solar geophysical data to support DOD strategic missions. Worldwide data are provided to the Air Force Global Weather Central (Offutt AFB, Nebraska) and the Navy's Fleet Numerical Oceanography Center (Monterey, California). Local area cloud imagery data are transmitted for immediate use directly from the satellites to fixed and mobile Air Force and Navy tactical receiving terminals at key worldwide operating locations and onboard aircraft carriers at sea. The FY 1993 amended budget request provides for general engineering support and launch services.

Defense Support Program (DSP) (MYP)

(In Thousands of Dollars)

	<u>FY 1992</u>	<u>FY 1993</u>		
	<u>QTY</u>	<u>AMOUNT</u>	<u>QTY</u>	<u>AMOUNT</u>
	-	64,322	-	286,694

DSP satellites contain sensors which provide near real-time data to the National Command Authority and other designated users. The FY 1993 amended budget request provides for launch support as well as advance procurement for Satellite 23.

Defense Satellite Communications System (DSCS) (MPL)

(In Thousands of Dollars)

	<u>FY 1992</u>	<u>FY 1993</u>		
	<u>QTY</u>	<u>AMOUNT</u>	<u>QTY</u>	<u>AMOUNT</u>
	-	55,542	-	25,471

DSCS provides Super High Frequency (SHF) satellite communications for secure voice and high data rate transmissions. It satisfies unique and vital national security communications requirements for worldwide military command and control, crises management and relay of intelligence, early warning data, treaty monitoring and surveillance information and diplomatic traffic and ground mobil forces of all services. The DSCS program consists of a space segment, which is an Air Force responsibility, a multi-user terminal segment for ground, airborne, and naval elements, and an operational control segment. The authorized DSCS space segment consists of five operational and two on-orbit spare satellites positioned in geosynchronous orbits to provide global (less polar) coverage. Existing DSCS II satellites will be replenished with DSCS III satellites. DSCS III provides increased capacity, flexibility, and counter-countermessure capability. DSCS III satellites will include an Air Force Satellite Communications System single channel transponder for Emergency Action Message dissemination. FY 1993 amended budget request funds ATLAS II integration, satellite storage and general engineering support.

Space Boosters (MVP)

(In Thousands of Dollars)

	<u>FY 1992</u>	<u>FY 1993</u>		
	<u>QTY</u>	<u>AMOUNT</u>	<u>QTY</u>	<u>AMOUNT</u>
	-	290,485	-	382,169

The Space Boosters program provides access to space for critical DOD payloads. The FY 1993 amended budget request continues procurement of AGE for OCAFS, propellants and launch services. FY 1993 amended budget request also funds launch services and propellants for TITAN II at Vandenberg AFB, CA.

Medium Launch Vehicle (MLV)

(In Thousands of Dollars)

	<u>FY 1992</u>	<u>FY 1993</u>		
	<u>QTY</u>	<u>AMOUNT</u>	<u>QTY</u>	<u>AMOUNT</u>
	4	221,304	4	226,637

This program provides for competitive procurement of medium launch vehicles (MLVs). The Delta II will be used to launch medium weight satellites, such as the NAVSTAR GPS into orbit. Two Delta IIs and two Atlas IIs are procured in FY 1993.

Nuclear Detonation Detection System (NDS) (LONDS)

(In Thousands of Dollars)

FY 1992		FY 1993	
QTY	AMOUNT	QTY	AMOUNT
4	32,048	6	49,317

NDS provides the capability to detect, locate, and report nuclear detonations on a global basis near real-time. NDS sensor packages are employed on NAVSTAR Global Positioning System (GPS) satellites. FY 1993 amended budget request funds the multiyear procurement of NDS sensor suites for the next twenty GPS satellites. In addition, the FY 1993 funding request provides for an annual option for two sensor suites for two GPS satellites.

Forest Green

(In Thousands of Dollars)

FY 1992		FY 1993	
QTY	AMOUNT	QTY	AMOUNT
-	0	-	263

Information concerning this program is included in classified budget documentation material.

Special Programs

(In Thousands of Dollars)

FY 1992		FY 1993	
QTY	AMOUNT	QTY	AMOUNT
-	2,230,340	-	2,330,476

Information concerning this program is included in classified budget documentation material.

Special Update Programs

(In Thousands of Dollars)

<u>FY 1992</u>		<u>FY 1993</u>	
<u>QTY</u>	<u>AMOUNT</u>	<u>QTY</u>	<u>AMOUNT</u>
-	72,608	-	154,207

Information concerning this program is included in classified budget documentation material.

**COMPARISON OF FY 1992 PROGRAM REQUIREMENTS AS REFLECTED  
IN FY 1992/1993 BUDGET WITH FY 1992 PROGRAM REQUIREMENTS AS**

**SHOWN IN FY 1993 AMENDED BUDGET**

**SUMMARY OF PROGRAM REQUIREMENTS**

(In Thousands of Dollars)

	Program Requirements	Per 1992/93 Budget	Per 1993 Amended Budget	Program Requirements	Increase (+) or Decrease (-)
<b>BUDGET ACTIVITY</b>					
1. Ballistic Missiles	\$ 240,823		\$240,142		-\$681
2. Other Missiles	1,480,081		1,355,336		-124,745
3. Modification of In-Service Missiles	196,526		203,734		+7,208
4. Spares and Repair Parts	104,279		89,959		-14,320
5. Other Support	3,578,091		3,328,779		-249,312
6. Reimbursable Program	<u>425,300</u>		<u>425,300</u>		<u>0</u>
Total Fiscal Year Program	\$6,025,100		\$5,643,250		-\$381,850

**EXPLANATION OF CHANGES BY BUDGET ACTIVITY**

1. Ballistic Missiles (-\$681). Congress made the following adjustments (totalling -\$681 thousand): **PEACEKEEPER** (-\$636 thousand), Contractor Advisory & Assistance Services (CAAS) (-\$192 thousand), Federally Funded Research and Development Centers (FFRDC) (-\$444 thousand), and Missile Replacement Equipment-Ballistic Contractor Advisory & Assistance Services (CAAS) (-\$45 thousand).

2. Other Missiles (-\$124,745). Congress made the following adjustments (totalling -\$124,545 thousand): ANRAAM (-\$119,000 thousand), SRAM II (-\$10,969 thousand) and Have Flag (+\$9,806). Also reflects reductions for Contractor Advisory and Assistance Services (CAAS) (-\$1,452 thousand) and Federally Funded Research and Development Centers (FFRDC) (-\$2,930 thousand). An additional \$200 thousand taken from ANRAAM program to support FY 1992/93 amended budget reduction (rounding). Not available in DSP advance procurement.
3. Modification of In-Service Missiles (+\$7,208). Reflects a reduction of -\$192 thousand for Contractor Advisory & Assistance Services (CAAS) and an increase of \$7,400 thousand for Minuteman program.
4. Spare and Repair Parts (-\$14,320). Congress reduced the FY 1992 Spares and Repair Parts by \$14,217 thousand. Also reflects reduction of \$103 thousand for Contractor Advisory & Assistance Services (CAAS).
5. Other Support (-\$249,312). Congress made the following adjustments totalling -\$249,512 thousand): Global Positioning System (-\$26,900 thousand), NFIP (-\$189,400 thousand) and GDIP (-\$21,070 thousand). Also reflects a reduction of \$1,116 thousand for Contractor Advisory & Assistance Services (CAAS) and a reduction of \$11,026 thousand for Federally Funded Research and Development Centers. The FY 1992/93 amended budget reduced DSP advanced procurement program \$200 thousand more than was available. The additional reduction was taken against ANRAAM program.

**COMPARISON OF FY 1992 FINANCING AS REFLECTED  
IN FY 1992/1993 BUDGET WITH FY 1992 FINANCING AS  
SHOWN IN FY 1993 AMENDED BUDGET**

	(In Thousands of Dollars)		
	Financing Per FY 1992/93 Budget	Financing Per FY 1993 Budget	Increase (+) or Decrease (-)
Program Requirements	\$6,267,100	\$5,643,250	-\$623,850
Program Requirements (Service Account)	(5,841,800)	(5,217,950)	-623,850
Program Requirements (Reimbursable)	(425,300)	(425,300)	0
Less:			
Anticipated Reimbursements	425,300	425,300	0
Add:			
Reduction due to P.L. 102-172	—	17,500	17,500
Appropriation	\$5,841,800	\$5,235,450	-\$606,350

**EXPLANATION OF CHANGES IN FINANCING**

The FY 1992 program has decreased \$623,850 thousand since submission of the FY 1992/1993 Budget. Adjustments by category of financing are explained below:

1. Anticipated Reimbursements. No change.
2. Reduction due to Public Law 102-172. A decrease of \$17,500 thousand for contractor travel/contract assistance service and Federally Funded Research and Development Centers.



**COMPARISON OF FY 1991 PROGRAM REQUIREMENTS AS REFLECTED  
IN FY 1992/1993 BUDGET WITH FY 1991 PROGRAM REQUIREMENTS AS**

**SHOWN IN FY 1993 AMENDED BUDGET**

**SUMMARY OF PROGRAM REQUIREMENTS**

(In Thousands of Dollars)

	Program Requirements	Per 1992/93 Budget	Per 1993 Amended Budget	Program Requirements	Increase (+) or Decrease (-)
<b><u>BUDGET ACTIVITY</u></b>					
1. Ballistic Missiles	\$ 546,863		\$410,515		-136,348
2. Other Missiles	1,198,892		1,759,151		+560,259
3. Modification of In-Service Missiles	109,313		109,373		+60
4. Spares and Repair Parts	66,620		76,364		+9744
5. Other Support	3,843,387		3,829,684		-13,703
6. Reimbursable Program	<u>318,725</u>		<u>282,180</u>		<u>-36,545</u>
Total Fiscal Year Program	\$6,083,800		\$6,467,267		+383,467

**EXPLANATION OF CHANGES BY BUDGET ACTIVITY**

1. Ballistic Missiles (-\$136,348). Congress made the following adjustments (totalling \$-140,000 thousand):  
**PEACEKEEPER** (-\$136,348 thousand). The FY 1992 DoD Appropriation Act rescinds \$80 million from the FY 1991 **PEACEKEEPER** program, and transfers \$60 million of FY 1991 **PEACEKEEPER** funds to Drug Interdiction and Counter Drug Activities Defense. The increase of \$3.7 million to **PEACEKEEPER** is a result of a reprogramming.

2. Other Missiles (+\$560.259). Desert Storm/Desert Shield Supplemental to FY 1991 appropriations increased Maverick quantity by 5255 for \$388.9 million and increased HARM quantity by 1100 for \$226.6 million. The dire emergency supplemental for FY 1992 transferred \$67 million of FY 1991 funds to Missile Procurement Army. Other missiles and industrial facilities increased by \$11.8 for reprogrammings.
3. Modification of In-Service Missiles (+\$60). Reflects an increase of \$60 thousand for reprogrammings against AIM-9, Minuteman, Air Launch Cruise Missile, PEACEKEEPER and Miscellaneous Modifications.
4. Spares and Repair Parts (+\$9.744). Reflects an increase of \$9.7 million for reprogrammings for Maverick and HARM Weapon system.
5. Other Support (-\$13.703). Desert Storm/Desert Shield FY 1991 Supplemental increased Classified Programs by \$30 million. Reprogrammings reduced GFS Special programs and IONDS by \$43.7 million.
6. Reimbursable Program (-\$36.545). Decrease is due to revised estimates of customer orders.

COMPARISON OF FY 1991 FINANCING AS REFLECTED  
IN FY 1992/1993 AMENDED BUDGET WITH FY 1991 FINANCING AS  
SHOWN IN FY 1993 BUDGET

	(In Thousands of Dollars)		
	Financing Per FY 1992/93 Budget	Financing Per FY 1993 Budget	Increase (+) or Decrease (-)
Program Requirements	\$6,083,800	\$6,467,267	\$+383,467
Program Requirements (Service Account)	(5,765,075)	(6,185,087)	(+420,012)
Program Requirements (Reimbursable)	(318,725)	(282,180)	(-36,545)
Less:			
Anticipated Reimbursements	318,725	282,180	-36,545
Transfer from other Accounts	19,640	645,700	626,060
Add:			
Reduction due to P.L. 101-511	2,364	2,364	0
Transfer to Other Accounts	<u>65,733</u>	<u>271,781</u>	<u>206,048</u>
Appropriation	\$5,813,532	\$5,813,532	0

EXPLANATION OF CHANGES IN FINANCING

The FY 1991 program has increased \$383,467 thousand since submission of the FY 1992/1993 Budget.

Adjustments by category of financing are explained below:

1. Anticipated Reimbursements. A decrease of \$36,545 thousand is due to a decrease in anticipated customer orders.

2. Transfer from Other Accounts. Reflects transfer for Desert/Shield/Desert Storm supplemental (Maverick \$388.9 million, HARM \$226.6 million and Classified \$30 million).
  3. Transfer to Other Accounts. Reflects transfer from PEACEKEEPER program to Drug Interdiction (\$60 million), from Maverick program to Army (\$67 million) and rescinded \$80 million from PEACEKEEPER program.
- Also reflects omnibus reprogrammings.