

SELECTED ACQUISITION REPORT (SAR) SUMMARY TABLES

As of Date: December 31, 1988

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UNCLASSIFIED

**Department of Defense
OASD (Comptroller)
March 10, 1989**

SELECTED ACQUISITION REPORTS - HIGHLIGHTS

(As of December 31, 1988)

The Secretary of Defense has released details of cost and schedule changes since the September 1988 reporting period based on the Selected Acquisition Reports (SARs) submitted to the Congress for the December 31, 1988 reporting period. Included are SARs on 95 programs that have been reported previously and nine additional reports being submitted for the first time.

SARs summarize the latest estimates of cost, schedule, and technical status on major defense systems. These reports are prepared annually (as of December 31) in conjunction with the President's budget for each funded program. After each subsequent calendar year quarter, reports are required only for those programs experiencing cost changes of at least five percent or schedule delays of at least six months.

The total program cost estimates provided in the SARs include research and development, procurement, and military construction. Total program costs reflect actual costs on delivered items as well as anticipated costs for future procurement, which in some instances, extend beyond the year 2000. All estimates include allowances for anticipated inflation.

The cost for one of the 95 programs, ASAS, is classified. The adjusted current estimate of program acquisition costs for the remaining 94 major systems covered by SARs for the September 1988 reporting period was \$818,609.5, million. The cost changes between September and December 1988 are summarized below:

	Current Estimate (\$ in Millions)
September 1988 (94 programs^{1/})	\$ 757,436.3
Plus initial procurement estimates for FAAD C ² I, FAADS NLOS, and SADARM (previous reports were limited to RDT&E costs)	+3,702.4
Changes Since Last Report	+57,470.8
December 1988 (94 programs^{1/})	\$ 818,609.5

^{1/} Classified costs for the Army's ASAS program are excluded.

Changes Since Last Report:

Economic	\$ -4,754.2
Quantity	+42,679.5
Schedule	+2,863.4
Engineering	+7,948.0
Estimating	+6,905.2
Other	-271.3
Support	+2,100.2
Net Change	\$ +57,470.8

The increase of \$57,470.8 million, or 7.6 percent, was due primarily to a net increase in quantities (\$+42,679.5 million), nearly half of which was due to adding two program years to the FYDP for the DDG-51 Destroyer and the SSN-21 and Trident II Submarines. Most of the remaining quantity increase was due to the addition of M1A2 Tanks and Forward Area Air Defense Systems (FAADS), and increased requirements for Titan IV Launch Vehicles. To a lesser degree, the cost increase also resulted from upward revisions in cost estimates (\$+6,905.2 million) and engineering changes (\$+7,948.0 million).

Details of the most significant changes are summarized in the attachment.

New SARs

(As of December 31, 1988)

The Secretary of Defense released nine additional reports for the first time in accordance with section 2432, title 10, United States Code. These reports do not represent cost growth. Baselines established on these programs will be the point from which future changes will be measured. The current cost estimates are provided below:

<u>Programs</u>	<u>Current Estimate</u> <u>(\$ in Millions)</u>
ACCS-CHS ^{1/}	\$ 148.2
AOE-6	2,834.8
FHTV (PLS)	1,996.9
FMTV	8,568.6
LRAACA	7,889.8
MCM-1	1,737.4
NATO AAWS ^{1/}	94.1
SLAT ^{1/}	367.8
UHF FOLLOW-ON COMM	<u>1,531.1</u>
Total	\$ 25,168.7

^{1/} Pre-Milestone II programs reporting RDT&E costs only, in accordance with the provisions of section 2432, title 10, USC.

Program Change Explanations
(As Of December 31, 1988)

Army:

ADDS - Program costs decreased \$574.1 million (-16.9%) from \$3,402.9 million to \$2,828.8 million, due primarily to quantity reductions in enhanced PLRS user units, net control stations, and other components (\$-530.3 million), and an associated reduction in initial spares cost (\$-206.9 million). These decreases were partially offset by increased costs to develop a second source for the JTIDS Class 2M terminal (\$+66.0 million), and an upward revision in the estimated cost for post deployment software support (\$+61.6 million).

AH-64 (APACHE) - Program costs increased \$3,830.0 million (+38.2%) from \$10,015.4 million to \$13,845.4 million, due primarily to a quantity increase of 300 aircraft from 684 to 984 (\$+2,025.2 million), estimating changes applicable to the increased quantity (\$+760.9 million), increased support as a result of the larger fleet (\$+864.2 million), inclusion of funding for flight simulators and training devices (\$+105.1 million), and increased development costs for the multistage improvement program (\$+40.6 million).

ATACMS - Program costs increased \$459.7 million (+40.2%) from \$1,144.3 million to \$1,604.0 million, due primarily to a quantity increase of 1,187 missiles from 1,050 to 2,237 (\$+479.8 million). This increase was partially offset by a downward revision in the program cost estimate (\$-24.5 million).

ATM - Program costs increased \$37.0 million (+13.5%) from \$275.0 million to \$312.0 million, due primarily to an increase in full scale development costs (+\$37.1 million).

BRADLEY FVS - Program costs increased \$2,118.7 million (+21.3%) from \$9,934.1 million to \$12,052.8 million, due primarily to: an increase of 1,574 vehicles from 6,911 to 8,485 (\$+1,459.5 million); estimating (\$+340.4 million), engineering (\$+156.6 million), and schedule (\$+66.2 million) changes applicable to the increase quantity; incorporation of vehicle/modification development (\$+216.6 million); and increased procurement costs associated with the enhanced position location reporting system and electronic versus mechanical transmission controller improvements to optics, fire extinguishing system and track (\$+111.9 million). These increases were partially offset by reduced cost estimates to reflect changes in acquisition strategy from single-year to multiyear procurement and the incorporation of the most recent contract data available (\$-262.3 million).

FAAD C2I - Program costs increased \$298.0 million (+16.9%) from \$1,758.6 million to \$2,056.6 million, due primarily to the addition of FY 1990-94 procurement funding for the Non-Cooperative Target Recognition, Positive Hostile ID, Identification Friend or Foe, and Aerial Sensor portions of the program that were previously excluded (\$+224.3 million), and are now added to the baseline. The remaining increase is due to revised program cost estimates. (\$+73.7 million).

FAADS LOS-F-H - Program costs increased \$4,399.8 million (+270.6%) from \$1,625.9 million to \$6,025.7 million, due primarily to the addition of 452 fire units from 114 to 566 and 5,963 missiles from 4,129 to 10,092 to reflect the total Army Acquisition Objective (\$+3,902.5 million), and the inclusion of additional initial spares associated with the total planned procurement (\$+487.0 million).

HELLFIRE - Program costs increased \$257.7 million (+10.7%) from \$2,420.7 million to \$2,678.4 million, due primarily to the addition of 8,124 rounds from 48,925 to 57,049 (\$+334.8 million), additional development and procurement costs for the improved HELLFIRE (\$+285.9 million), and increased costs associated with rephasing of the procurement schedule (\$+68.6 million). These increases were offset by a downward revision in program estimates (\$-406.3 million).

M1/M1A1 - Program costs increased \$4,401.8 million (+20.0%) from \$21,999.5 million to \$26,401.3 million, due primarily to the addition of 1,460 tanks from 7,857 to 9,317 (\$+4,000.3 million), associated increases in support costs (\$+209.5 million), and the incorporation of Block II engineering design changes (\$+465.4 million). These increases were partially offset by revised economic indices (\$-154.4 million) and a rescheduling of 209 tanks from FY 1991-92 to FY 1986-90 (\$-223.4 million).

MLRS - Program costs increased \$727.7 million (+14.3%) from \$5,108.4 million to \$5,836.1 million, due primarily to the addition of 48,000 tactical rockets, 1,932 practice rockets and 84 launchers (\$+522.2 million), an associated increase in initial spares support (\$+90.0 million), and an upward revision in the estimated costs to reflect expansion of the MLRS force structure (\$+173.1 million).

MLRS-TGW - Program costs increased \$114.0 million (+36.2%) from \$314.6 million to \$428.6 million, due primarily to a one-year slip in the completion of the development effort from FY 1993 to FY 1994 (\$+95.6 million), and increased costs associated with the component and system demonstration/validation programs (\$+19.7 million).

OH-58D (AHIP) - Program costs increased \$1,743.7 million (+122.2%) from \$1,427.4 million to \$3,171.1 million, due primarily to an increase of 180 aircraft from 200 to 380 (\$+518.1 million), estimating changes applicable to the

increased quantity (\$+354.4 million), and additional support associated with the increase in aircraft (\$+178.7 million). Other increases include the application of revised escalation rates (\$+104.8 million), engineering configuration changes to unarmed AHIP aircraft (\$+244.4 million), increased engineering and support for the armed AHIP aircraft (\$+117.4 million), and increased support costs to retrofit fielded aircraft to the production baseline configuration (\$+225.9 million).

SINCGARS - Program costs increased \$626.7 million (+12.0%) from \$5,204.9 million to \$5,831.6 million, due primarily to an increase of 72,879 ground and 399 airborne receiver-transmitters required due to redefinition of force structure (\$+1,267.4 million), and increased costs due to rescheduling production to later years (\$+101.3 million). These increases were partially offset by estimating changes applicable to the increased quantity (\$-227.3 million), a revised estimate for ground radios based on prices contained in the second source contract (\$-419.9 million), the application of revised escalation rates (\$-54.6 million), and a reduced requirement for remote control units (\$-50.2 million).

TOW 2 - Program costs increased \$820.3 million (+34.3%) from \$2,394.2 million to \$3,214.5 million, due primarily to an increase of 48,676 missiles from 125,969 to 174,645 (\$+715.0 million), associated spares support (\$+14.8 million), and engineering changes approved for TOW 2 retrofit (\$+89.8 million).

UH-60A (BLACKHAWK) - Program costs increased \$1,904.1 million (+29.1%) from \$6,547.2 million to \$8,451.3 million, due primarily to an increase of 216 aircraft from 1,121 to 1,337 (\$+630.9 million), higher costs for the increased procurement quantity than that predicted by the cost/quantity curve estimate (\$+750.0 million), and increased costs for flight simulators, initial spares, and other support equipment associated with the additional aircraft (\$+256.6 million). Additional increases to the program involve the incorporation of multistage improvement program (\$+184.3 million) and military construction costs associated with flight simulator building and other maintenance facilities (\$+44.8 million).

Navy:

A-6E/A-6 UPGRADE - Program costs decreased \$3,865.1 million (-45.7%) from \$8,464.6 million to \$4,599.5 million, due to the deletion of 154 A-6G aircraft from the program for FY 1988 and out (\$-3,237.6 million); engineering (\$-249.3 million) and support (\$-958.0 million) changes associated with the deletion of the A-6G; and the application of revised escalation rates (\$-141.8 million). These decreases were partially offset by revised cost estimates (\$+721.6 million).

AN/BSY-1 - Program costs increased \$257.1 million (+15.9%) from \$1,619.1 million to \$1,876.2 million, due primarily to revised estimates related to wide aperture backfits, software maintenance facility restoration, and increased module screening and repair activity requirements (\$+261.9 million).

DDG-51 - Program costs increased \$6,744.9 million (+33.2%) from \$20,312.5 million to \$27,057.4 million, due primarily to an increase of 10 ships (FY 1993-94) from 23 to 33 (\$+7,996.5 million) and associated increases in outfitting and post delivery requirements (\$+284.3 million). These increases were partially offset by revised estimates reflecting multiyear contract savings on ship construction contracts and other cost estimate adjustments (\$-1,219.6 million), rephasing of the schedule (\$-128.3 million), and the application of revised escalation rates (\$-188.0 million).

EA-6B - Program costs increased \$652.6 million (+14.2%) from \$4,587.2 million to \$5,239.8 million, due primarily to an increase of 12 aircraft from 86 to 98 (\$+283.3 million), associated increases in initial spares, training, etc., to support the additional aircraft (\$+413.1 million), and a schedule stretchout of one year (\$+257.4 million). These increases were partially offset by revised cost estimates (\$-169.9 million) and the application of revised escalation rates (\$-131.7 million).

FDS (FIXED DISTRIBUTION SYSTEM) - Program costs increased \$135.0 million (+17.3%) from \$779.7 million to \$914.7 million, due primarily to additional engineering requirements (\$+61.7 million), revised program estimates (\$+26.4 million), and previously unidentified installation costs (\$+48.7 million).

HARM - Program costs increased \$1,893.2 million (+38.0%) from \$4,983.5 million to \$6,876.7 million, due primarily to an increase of 7620 missiles from 14,537 to 22,157 (\$+1,487.5 million), revised cost estimates (\$+265.6 million), and an increase in spares requirements and fleet support (\$+100.9 million).

HARPOON - Program costs increased \$+614.9 million (+16.1%) from \$3,824.6 million to \$4,439.5 million, due primarily to an increase of 426 missiles from 4,023 to 4,449 (\$+146.3 million),

a schedule slip of 34 missiles from FY 1988-89 to the outyears (\$+341.0 million), engineering changes related to the improved HARPOON program (\$+40.8 million), and increased support costs associated with the increased quantity and the schedule stretchout (\$+64.9 million).

LCAC - Program costs increased \$706.4 million (+32.6%) from \$2,165.8 million to \$2,872.2 million, due primarily to an increase of 27 landing craft from 78 to 105 (\$+697.9 million) and associated increases in outfitting and post delivery (\$+20.9 million).

LHD-1 - Program costs increased \$943.7 million (+18.4%) from \$5,131.0 million to \$6,074.7 million, due primarily to an increase of 1 ship from 5 to 6 (\$+930.5 million), a schedule slip of one year from FY 1991 to FY 1992 (\$+27.1 million), and revised cost estimates (\$+47.9 million). These increases were partially offset by the application of revised escalation rates (\$-43.3 million) and a net reduction in outfitting and post delivery resulting from requirements rephasing and revised estimates (\$-18.5 million).

MK-48 ADCAP - Program costs increased \$818.9 million (+13.7%) from \$5,981.4 million to \$6,800.3 million, due primarily to a schedule stretchout of four years (\$+759.0 million) and revised cost estimates (\$+65.5 million).

P-3C - Program costs decreased \$326.5 million (-18.5%) from \$1,769.4 million to \$1,442.9 million, due primarily to the deletion of 6 aircraft (\$-176.0 million) and associated decreases in support (\$-100.1 million).

PHALANX CIWS - Program costs increased \$464.6 million (+17.9%) from \$2,601.3 million to \$3,065.9 million, due primarily to an increase of 112 systems from 625 to 737 (\$+463.2 million) and associated increase in support costs (\$+54.4 million). These increases were partially offset by a procurement schedule acceleration (\$-35.1 million) and cost savings due to competition (\$-18.8 million).

SEA LANCE (ASWSOW) - Program costs increased \$871.3 million (+35.2%) from \$2,472.7 million to \$3,344.0 million, due primarily to an increase of 2,187 weapons (\$+1415.1 million), schedule delays associated with program restructuring (\$+195.7 million), and additional engineering costs for the surface variant (\$108.2 million). These increases were partially offset by revised estimates resulting from the Navy decision to procure a lower cost surface variant (\$-814.4 million).

SSN-21 - Program costs increased \$9,630.6 million (+104.1%) from \$9,252.7 million to \$18,883.3 million, due primarily to an increase of seven submarines from 5 to 12 (\$+8,670.0 million), increase in support costs associated with the additional ships (\$+389.0 million), the addition of the FY 1993/94 RDT&E effort

(\$+295.9 million), revised cost estimates (\$+182.1 million), and the addition of MILCON to the program estimate (\$+107.7 million).

STD MSL 2 - Program costs increased \$1,075.1 million (+12.2%) from \$8,838.2 million to \$9,913.3 million due primarily to an increase in RDT&E requirements to fund the Missile Homing Improvement Program (\$59.2 million) and the Blocks III, IIIA and IV development efforts (\$+75.8 million), a schedule slip of 310 missiles from FY 1989-1991 to FY 1992 (\$+118.2 million), revised cost estimates due to a change in the program mix to more advanced missiles (\$557.0 million), and additional support costs associated with the new missile mix (\$+237.7 million).

Air Force:

ATARS - Program costs decreased \$980.2 million (-75.8%) from \$1,292.5 million to \$312.3 million, due primarily to deletion of procurement funding for the Tactical Air and Unmanned Air Reconnaissance Systems (\$-1,081.3 million). This reduction was partially offset by increases for the RF-16 multinational pod development and planning effort (\$+125.3 million).

CIS - Program costs decreased \$278.1 million (-22.2%) from \$1,252.0 million to \$973.9 million, due primarily to deletion of non-core platform integration effort (\$-264.9 million) and reduction in estimated costs for demonstration/validation (\$-10.8 million).

F-15 - Program costs decreased \$5,160.7 million (-13.3%) from \$38,694.0 million to \$33,533.3 million, due primarily to a reduction of 114 aircraft from 1,286 to 1,172 (\$-1,545.6 million), and associated schedule (\$-949.5 million), engineering (\$-846.5 million), and estimating (\$-268.7 million) changes applicable to the 114 aircraft. Additional decreases resulted from revised program estimates due to the incorporation of multi-year procurement (\$-309.1 million) and refinements in flyaway costs (\$-219.9 million), reductions in support requirements associated with the quantity reduction (\$-540.3 million), and revised estimates for weapon system trainers (\$-256.3 million). Further program reductions were associated with the application of revised escalation rates (\$-226.0 million) and a schedule acceleration from 30 to 36 aircraft per year (\$-195.7 million). These increases were partially offset by additional development costs related to the integration of weapons and avionics capabilities, along with vertical tail improvements (\$+102.0 million). The estimates for flight test and program office operations were also revised (\$+78.0 million).

F-16 - Program costs increased \$6,114.4 million (+12.8%) from \$47,656.0 million to \$53,770.4 million, due primarily to the addition of 270 aircraft from 2,737 to 3,007 (\$+2,508.4 million) and associated schedule (\$+359.4 million) and engineering (\$+3,033.9 million) changes applicable to the 270 aircraft. Further increases resulted from the incorporation of F-16 Derivative development and production costs (\$+1,113.7 million), and additional peculiar support and initial spares for the increased aircraft (\$+1,126.7 million). These increases were partially offset by the application of revised escalation rates (\$-239.3 million), a restructure of the Airborne Self-Protection Jamming System retrofit program (\$-572.4 million), estimating changes applicable to the 270 aircraft (\$-725.0 million), a re-estimate of initial spares requirements (\$-421.0 million), and decreased requirements for peculiar support equipment (\$-173.7 million).

IR MAVERICK - Program costs decreased \$4,420.7 million (-58.0%) from \$7,620.8 million to \$3,200.1 million, due primarily to a reduction in quantity of 37,168 missiles (\$-2,319.4 million), associated schedule (\$-205.8 million) and estimating (\$-360.2 million) changes applicable to the 37,168 missiles, and reduced initial spares associated with the lower quantities (\$-90.0 million). Additional decreases resulted from the application of revised escalation rates (\$-56.9 million), revised estimates to reflect the second source competition (\$-1,074.4 million), and multi-year procurement (\$-111.9 million).

IUS - Program costs increased \$277.3 million (+20.5%) from \$1,355.6 million to \$1,632.9 million, due primarily to the addition of three vehicles (\$+186.2 million) and engineering changes related to the solid rocket motor upgrade and useful life extension program (\$+63.2 million).

JSTARS - Program costs increased \$3,974.7 million (+97.9%) from \$4,058.8 million to \$8,033.5 million, due primarily to higher Air Force development costs because of revised estimates and increased scope approved at Milestone II (\$+843.7 million), a change from used to new airframes resulting in higher airframe costs (\$+1,283.0 million) and revised estimates (\$+374.3 million), changes to the Army configuration primarily related to nuclear-biological-chemical capability (\$+272.9 million), and schedule delay extensions in both the Army and Air Force programs (\$+80.1 million). Additional program changes resulted from an increase in Army prototypes from 8 to 15 (\$+196.9 million) and Army production units from 95 to 97 (\$+55.6 million), and an increase in the Air Force production quantity of 11 units based on force structure changes to equip a greater number of aircraft (\$+693.6 million). Initial spares and other support associated with these higher quantities also increased (\$+262.1 million).

JTIDS - Program costs increased \$562.7 million (+42.5%) from \$1,323.7 million to \$1,886.4 million, due primarily to an increase in FY 1990-94 funding for joint Service follow-on developments, testing, and logistics (\$+226.0 million), and an increase in FY 1993-94 funding for Air Force testing, integration, and multifunctional information distribution system development (\$+41.1 million). The remainder of the increase was primarily associated with the inclusion of costs previously excluded from the SAR, such as platform integration efforts concerning the terminals (\$+309.1 million).

MLS (MICROWAVE LANDING SYSTEM) - Program costs increased \$689.5 million (+203.8%) from \$338.3 million to \$1,027.8 million, due primarily to the addition of the Military MLS Avionics program development (\$+80.9 million) and procurement (\$+309.2 million), an increase in the Commercial MLS Avionics program quantities of 2,163 units (\$+154.6 million), increased initial spares associated with the higher quantities (\$+37.1 million), and

inclusion of an integration kit associated with the added Military MLS Avionics program (\$+90.7 million).

OTH-B - Program costs decreased \$472.5 million (-19.2%) from \$2,459.2 million to \$1,986.7 million, due primarily to the deletion of two Central Radar System sectors (\$-274.9 million), the Alaskan radar system power plant (\$-64.6 million), and P3I requirements (\$-66.6 million). Support requirements associated with these deletions were also reduced (\$-83.5 million).

PEACEKEEPER RAIL GARRISON - Program costs decreased \$1,624.7 million (-19.2%) from \$8,451.5 million to \$6,826.8 million, due primarily to a revised program office estimate for procurement (\$-1,333.2 million), support (\$-233.7 million), and military construction (\$-123.8 million). These decreases were partially offset by schedule delays that slipped the IOC/FOC from December 1991/December 1993 to June 1992/June 1994 (\$+88.8 million).

TACIT RAINBOW - Program costs increased \$650.1 million (+17.5%) from \$3,725.1 million to \$4,375.2 million, due primarily to the addition of 1,455 Navy and Air Force missiles (\$+117.0 million), delay in the missile production schedule (\$+294.7 million), and navigation/guidance enhancements (\$+130.2 million).

TITAN IV - Program costs increased \$7,067.8 million (+137.7%) from \$5,133.5 million to \$12,201.3 million, due primarily to the addition of 20 follow-on vehicles and 14 planned replenishment vehicles (\$+5,042.5 million), the continued procurement of solid rocket motor upgrade hardware (\$+446.8 million), and additional launch support requirements and services at Cape Canaveral, FL, and Vandenberg AFB, CA (\$+722.8 million).

WIS - Program costs increased \$282.0 million (+14.2%) from \$1,980.7 million to \$2,262.7 million, due primarily to additional costs estimated to complete Blocks B and C (\$+551.0 million). This increase is partially offset by revised estimates due to program restructuring (\$-277.2 million).

Program Acquisition Cost Summary (Dollars in Millions)

As of Date: December 31, 1988

Weapon System	Base Year	Type of Baseline	Baseline Estimate			Changes To Date			Current Estimate			Percent Cost Growth To Date		
			Cost		Quantity	Cost		Quantity	Cost		Quantity	Base Year Adj For Qty	Total Adj For Qty	
			Base Year \$	Current Year \$		Base Year \$	Current Year \$		Base Year \$	Current Year \$				
Army:														
ADDS	83	PE	1981.5	3038.2	88.0	68.3	-209.4	35.0	2049.8	2828.8	123.0	-0.5	-12.3	
AH-64 (APACHE)	72	DE	1892.4	3789.8	545.0	2629.5	10055.6	439.0	4521.9	13845.4	984.0	72.2	114.0	
ATACMS	87	DE	1135.9	1222.3	1050.0	277.6	381.7	1187.0	1413.5	1604.0	2237.0	-6.8	-5.8	
ATM	88	PE	264.2	275.0	-	30.3	37.0	-	294.5	312.0	-	11.5	13.5	
BRADLEY FVS	72	DE	325.6	436.9	1205.0	3496.7	11615.9	7280.0	3822.3	12052.8	8485.0	145.1	163.6	
CH-47D (CHINOOK)	75	DE	882.5	1562.8	364.0	521.5	1759.0	111.0	1404.0	3321.8	475.0	26.6	43.7	
COPPERHEAD	75	DE	847.3	1240.7	133058.0	-141.3	-3.0	-108193.0	706.0	1237.7	24865.0	168.0	532.1	
FAAD C2I	87	DE	1694.8	1931.8	-	40.2	124.8	-	1735.0	2056.6	-	2.4	6.5	
FAADS LOS-F-H	87	PE	1453.6	1693.3	-	3257.6	4332.4	566.0	4711.2	6025.7	566.0	7.1	7.7	
FAADS LOS-R	87	PE	1057.6	1257.6	-	-28.9	9.1	1207.0	1028.7	1266.7	1207.0	-2.7	0.7	
FAADS NLOS	87	PE	2336.2	2896.9	-	11.9	23.5	411.0	2348.1	2920.4	411.0	0.5	0.8	
HELLFIRE	75	DE	488.6	703.4	24841.0	622.0	1975.0	32208.0	1110.6	2678.4	57049.0	49.2	78.5	
LHX	84	PE	1756.2	2133.0	-	1050.9	1475.7	6.0	2807.1	3608.7	6.0	59.8	69.2	
M1/M1A1	72	DE	2392.8	4779.4	3325.0	5549.8	21621.9	5992.0	7942.6	26401.3	9317.0	38.0	54.3	
MLRS	78	PE	2232.3	3454.0	183.0	625.9	2382.1	504.0	2858.2	5836.1	687.0	-6.1	8.4	
MLRS-TGW	84	PE	190.7	211.2	-	161.4	217.4	-	352.1	428.6	-	84.6	102.9	
MSE	86	PdE	4428.5	5134.0	48.0	-398.1	-490.5	2.0	4030.4	4643.5	50.0	-14.6	-15.5	
OH-58D (AHIP)	82	DE	1667.9	2531.6	583.0	568.0	639.5	-203.0	2235.9	3171.1	380.0	71.0	55.9	
PATRIOT	72	DE	4267.4	5240.5	240.0	637.8	7128.4	-132.0	4905.2	12368.9	108.0	54.9	179.6	
SADARM	88	PE	1575.1	1782.2	1990.0	6.9	4.6	8818.0	1582.0	1786.8	10808.0	0.4	0.3	
SINCGARS	84	PdE	4167.7	5611.7	292915.0	22.8	219.9	72010.0	4190.5	5831.6	364925.0	-15.0	-14.8	
STINGER	72	DE	410.9	473.8	23202.0	690.3	2903.1	40076.0	1101.2	3376.9	63278.0	90.8	210.3	
TOW 2	84	PdE	2302.1	2623.8	141337.0	519.0	590.7	33308.0	2821.1	3214.5	174645.0	5.1	2.5	
UH-60A (BLACKHAWK)	71	DE	1942.0	2307.3	1123.0	989.1	6144.0	214.0	2931.1	8451.3	1337.0	40.0	188.8	
Subtotal			41693.8	56331.2		21209.2	72938.4		62903.0	129269.6		22.3	53.0	
Navy:														
A-6E/A-6 UPGRADE	84	PdE	3102.2	3224.4	173.0	2780.1	1375.1	32.0	5882.3	4599.5	205.0	51.5	34.7	
AN/BSY-1	84	PE	2972.4	3827.6	-	-1324.0	-1951.4	-	1648.4	1876.2	-	-45.0	-51.6	
AN/BSY-2	88	DE	2536.5	2855.8	2.0	10.0	9.0	-	2546.5	2864.8	2.0	1.0	0.9	
AN/SQQ-89	85	PdE	4663.8	5100.3	120.0	-24.9	161.1	-6.0	4638.9	5261.4	114.0	11.5	16.3	
ASPJ	84	DE	227.7	236.4	12.0	333.7	367.5	-	561.4	603.9	12.0	146.6	155.5	
AV-8B	79	DE	5740.6	9125.5	342.0	-945.9	-803.0	-60.0	4794.7	8322.5	282.0	-7.1	8.8	
BATTLESHIP REACT	82	PdE	1476.7	1876.6	4.0	63.1	-135.5	-	1539.8	1741.1	4.0	4.3	-7.2	
C/MH-53E	73	DE	464.4	578.4	74.0	795.7	2387.2	82.0	1260.1	2965.6	156.0	14.6	3.2	
CG-47 AEGIS	78	PdE	9013.7	14083.5	16.0	5327.7	9987.4	11.0	14341.4	24070.9	27.0	-1.1	-6.8	
CV HELO (SH-60F)	88	PdE	2691.8	3173.8	175.0	-20.0	-55.2	-	2671.8	3118.6	175.0	-0.7	-1.7	
CVN-72/73	82	DE	5265.5	7418.9	2.0	74.1	-1095.3	-	5339.6	6323.6	2.0	1.4	-14.8	
CVN-74/75	88	DE	5911.0	6966.0	2.0	-95.2	-585.9	-	5815.8	6380.1	2.0	-1.6	-8.4	
DDG-51	87	PdE	16953.7	20117.5	23.0	5214.4	6939.9	10.0	22168.1	27057.4	33.0	-4.6	-3.8	
E-2C	85	PdE	5398.0	5921.5	127.0	1295.4	1482.3	38.0	6693.4	7403.8	165.0	2.8	1.3	
E-6A	82	DE	1584.7	2251.7	15.0	-91.2	-274.8	1.0	1493.5	1976.9	16.0	-8.1	-14.5	
EA-6B	84	PdE	2239.6	2747.8	38.0	2077.2	2492.0	60.0	4316.8	5239.8	98.0	0.5	-3.0	
F-14D	86	DE	15103.2	19219.8	304.0	4461.8	5802.1	223.0	19565.0	25021.9	527.0	-10.9	-13.1	
F/A-18	75	DE	8016.6	12875.3	811.0	6229.6	24734.2	357.0	14246.2	37609.5	1168.0	45.6	145.1	
FDS	86	PE	674.7	777.0	1.0	109.7	137.7	-	784.4	914.7	1.0	16.3	17.7	
HARM	78	DE	1681.8	2409.9	13853.0	1655.8	4466.8	8304.0	3337.6	6876.7	22157.0	42.3	73.5	
HARPOON	70	DE	795.0	1031.8	2922.0	924.9	3407.7	1527.0	1719.9	4439.5	4449.0	54.7	118.6	
LAMPS MK III	76	DE	2396.7	3907.6	209.0	387.7	2037.2	-	2784.4	5944.8	209.0	22.3	61.6	
LCAC	82	PdE	1103.3	1610.7	60.0	1145.8	1261.5	45.0	2249.1	2872.2	105.0	18.2	0.6	
LHD-1	82	DE	2931.8	4451.0	3.0	1873.9	1623.7	3.0	4805.7	6074.7	6.0	-12.0	-28.2	
LSD-41	81	PdE	3223.9	4849.9	12.0	-1160.9	-2378.5	-4.0	2063.0	2471.4	8.0	-10.1	-26.7	
LSD-41 (CV)	88	DE	1350.7	1584.0	5.0	31.6	56.7	1.0	1382.3	1640.7	6.0	-11.7	-11.5	
MK-48 ADCAP	86	DE	5564.5	6314.0	-	204.2	486.3	-	5768.7	6800.3	-	3.7	7.7	
MK-50 TORPEDO	79	DE	4735.7	6653.7	-	513.0	87.4	-	5248.7	6741.1	-	10.0	0.6	
P-3C	84	PdE	3735.9	5023.6	80.0	-2416.7	-3580.7	-48.0	1319.2	1442.9	32.0	-40.9	-53.9	
PHALANX CIWS	84	PdE	2176.2	2481.7	620.0	843.8	584.2	117.0	3020.0	3065.9	737.0	19.1	3.6	
PHOENIX (AIM-54C)	77	DE	372.0	464.3	735.0	1373.3	3296.6	2666.0	1745.3	3760.9	3401.0	-8.7	-27.9	
SEA LANCE	85	DE	1883.2	2341.0	-	693.7	1003.0	-	2576.9	3344.0	-	-10.0	-10.5	
SPARROW (AIM-7M)	78	DE	913.7	1258.1	11139.0	574.1	1493.7	4449.0	1487.8	2751.8	15588.0	32.1	51.9	
SSN-21	85	DE	3149.6	3875.0	1.0	12010.7	15008.3	11.0	15160.3	18883.3	12.0	9.2	7.1	
SSN-688	71	DE	5126.8	5747.5	32.0	6878.3	22332.1	31.0	12005.1	28079.6	63.0	9.6	-2.5	
STD MSL 2	84	PdE	6571.5	8052.8	10866.0	1856.1	1860.5	3899.0	8427.6	9913.3	14765.0	-	-5.2	
T45TS	84	PE	3754.6	5462.0	304.0	246.6	-304.9	-2.0	4001.2	5157.1	302.0	7.3	-5.2	
TAC FLEET OILER	84	PdE	2607.7	3190.7	17.0	-225.4	-520.8	1.0	2382.3	2669.9	18.0	-13.7	-19.2	
TOMAHAWK	77	DE	1806.4	2422.9	1163.0	3383.7	8305.3	2941.0	5190.1	10728.2	4104.0	16.6	6.2	
TRIDENT II MSL	83	PdE	26556.3	35518.5	843.0	-235.2	-31.9	56.0	26321.1	35486.6	899.0	-3.5	-3.5	
TRIDENT II SUB	83	PdE	10548.9	14085.2	7.0	4409.3	3798.1	6.0	14958.2	17883.3	13.0	-14.5	-25.9	
V-22	86	DE	23073.0	29662.3	919.0	-3042.1	-3806.9	-256.0	20030.9	25855.4	663.0	1.7	3.3	
Subtotal			210096.0	274776.0		58197.5	111459.8		268293.5	386235.8		1.4	2.6	

Program Acquisition Cost Summary (Dollars in Millions)

As of Date: December 31, 1988

Weapon System	Base Year	Type of Baseline	Baseline Estimate			Changes To Date			Current Estimate			Percent Cost Growth To Date	
			Cost		Quantity	Cost		Quantity	Cost		Quantity	Base Year Adj For Qty	Total Adj For Qty
			Base Year \$	Current Year \$		Base Year \$	Current Year \$		Base Year \$	Current Year \$			
Air Force:													
AMRAAM	78	DE	4761.8	11591.6	24504.0	550.7	0.8	-73.0	5312.5	11592.4	24431.0	12.0	0.4
ATARS	85	DE	974.8	1292.5	569.0	-714.1	-980.2	-557.0	260.7	312.3	12.0	59.2	47.9
ATF	85	PE	11785.5	15294.0	12.0	-1696.5	-2674.3	-3.0	10089.0	12619.7	9.0	-11.6	-14.9
B-1B	81	DE	20500.0	29537.6	100.0	-196.8	-2099.9	-	20303.2	27437.7	100.0	-1.0	-7.1
C-17A	81	PE	19544.6	39753.8	211.0	2410.5	-2299.2	-	21955.1	37454.6	211.0	12.3	-5.8
C-5B	80	PdE	5845.7	9667.3	50.0	-1413.5	-2665.2	-	4432.2	7002.1	50.0	-24.2	-27.6
CIS (MARK XV IFF)	82	PE	1200.6	1672.1	-	-477.6	-698.2	-	723.0	973.9	-	-39.8	-41.8
CSRL	82	PdE	615.3	813.8	104.0	-114.6	-178.2	-	500.7	635.6	104.0	-18.6	-21.9
DMSP	75	PdE	718.7	1879.0	9.0	9.3	-60.9	1.0	728.0	1818.1	10.0	-6.7	-12.1
DSCS III	77	DE	631.1	893.6	14.0	428.2	1100.8	1.0	1059.3	1994.4	15.0	62.4	110.2
DSP	78	DE	4424.6	5547.6	19.0	1314.4	2762.3	7.0	5739.0	8309.9	26.0	1.8	0.4
F-15	70	DE	5991.0	7355.2	749.0	6344.1	26178.1	423.0	12335.1	33533.3	1172.0	36.5	63.1
F-16	75	DE	4376.8	6054.5	658.0	16735.6	47715.9	2349.0	21112.4	53770.4	3007.0	69.9	85.9
GLCM	77	DE	1053.6	1527.2	702.0	723.2	1757.9	-137.0	1776.8	3285.1	565.0	92.3	150.6
IR MAVERICK (AGM-65)	75	DE	995.1	1592.9	31113.0	316.2	1607.2	-7584.0	1311.3	3200.1	23529.0	71.4	282.4
IUS (SPACE SHUTTLE)	75	DE	963.0	2012.3	18.0	-136.5	-379.4	-7.0	826.5	1632.9	11.0	5.3	7.2
JSTARS	83	PE	1185.3	1388.2	8.0	4475.1	6645.3	127.0	5660.4	8033.5	135.0	92.2	107.5
JTIDS	81	DE	309.0	382.5	55.0	1049.7	1503.9	103.0	1358.7	1886.4	158.0	67.5	69.4
KC-135R	81	PdE	5229.1	7829.2	334.0	2419.9	4740.3	303.0	7649.0	12569.5	637.0	-9.5	-9.5
LANTIRN	80	DE	2102.1	3823.2	1328.0	327.2	207.2	-60.0	2429.3	4030.4	1268.0	16.6	6.1
MLS	82	PE	105.5	144.0	506.0	544.3	883.8	9641.0	649.8	1027.8	10147.0	117.1	131.8
NAVSTAR GPS	79	DE	1599.4	2306.7	40.0	759.9	1733.7	20.0	2359.3	4040.4	60.0	19.4	28.2
NAVSTAR USER EQMT	79	DE	2554.9	4875.8	27339.0	-302.9	-745.8	-1760.0	2252.0	4130.0	25579.0	-10.6	-13.9
OTH-B	82	DE	1145.3	1419.4	8.0	408.8	567.3	2.0	1554.1	1986.7	10.0	8.2	8.4
PEACEKEEPER	82	DE	16634.9	21680.2	243.0	720.2	1811.9	12.0	17355.1	23492.1	255.0	2.9	6.5
RAIL GARRISON	82	PE	6328.5	9106.8	50.0	-1650.3	-2280.0	-	4678.2	6826.8	50.0	-26.1	-25.0
SFW	79	DE	1219.8	2405.8	14084.0	349.2	805.0	5816.0	1569.0	3210.8	19900.0	0.3	1.1
SMALL ICBM	84	DE	33711.0	44727.9	645.0	-30867.6	-41589.8	-642.0	2843.4	3138.1	3.0	-88.5	-90.2
SRAM II	83	DE	1720.5	2393.4	1633.0	5.7	4.3	-	1726.2	2397.7	1633.0	0.3	0.2
TACIT RAINBOW	85	DE	2786.5	3654.0	-	392.0	721.2	-	3178.5	4375.2	-	10.4	16.0
TITAN IV	85	DE	2150.5	2529.2	10.0	7746.4	9672.1	47.0	9896.9	12201.3	57.0	32.8	30.3
TRI-TAC	76	PdE	1127.0	2225.2	363.0	-122.2	-303.0	192.0	1004.8	1922.2	555.0	-19.8	-24.3
WIS (WWMCCS INF SYS)	82	DE	1427.0	1857.0	35.0	211.9	405.7	-	1638.9	2262.7	35.0	14.9	21.9
Subtotal			165718.5	249233.5		10549.9	53870.6		176268.4	303104.1		-1.9	3.9
Grand Total			417508.3	580340.7		89956.6	238268.8		507464.9	818609.5		2.4	8.8

**Distribution of Cost Changes (Base-Year Constant Dollars)
As of Date: December 31, 1988**

Weapon System	Base Year	Cost Changes Between the Baseline and Current Estimate (Base-Year Constant Dollars)													
		Quantity		Schedule		Engineering		Estimating		Other		Support		Total	
		This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date
Army:															
ADDS	83	-404.7	77.9	26.0	26.0	20.9	-291.1	98.0	416.2	-	-	-160.7	-160.7	-420.5	68.3
AH-64 (APACHE)	72	527.4	734.3	-	140.8	-	90.0	222.0	1104.4	-	-	251.6	560.0	1001.0	2629.5
ATACMS	87	380.2	380.2	-	-	-	-	-16.4	-102.6	-	-	-	-	363.8	277.6
ATM	88	-	-	-	-	-	-	30.3	30.3	-	-	-	-	30.3	30.3
BRADLEY FVS	72	314.8	1234.2	5.0	78.2	159.9	731.8	81.1	1026.7	-	11.0	2.7	414.8	563.5	3496.7
CH-47D (CHINOOK)	75	71.6	226.3	-	41.4	-	-	-6.8	199.2	-	-	25.2	54.6	90.0	521.5
COPPERHEAD	75	-	-583.9	-	149.4	-	16.2	-	261.5	-	4.6	-	10.9	-	-141.3
FAAD C2I	87	-	-	-	-15.6	-	-	45.6	55.8	-	-	-	-	45.6	40.2
FAADS LOS-F-H	87	2945.1	2945.1	-	-	-	-	10.6	-61.3	-	-	373.8	373.8	3329.5	3257.6
FAADS LOS-R	87	-	-	-	-	-	-	-28.9	-29.9	-	-	1.0	1.0	-27.9	-28.9
FAADS NLOS	87	-	-	-	-	-	5.8	6.1	6.1	-	-	-	-	6.1	11.9
HELLFIRE	75	105.1	256.0	18.5	83.9	104.9	232.6	-145.3	40.7	-	-	10.3	8.8	93.5	622.0
LHX	84	-	-	-	-	-	-	-	1050.9	-	-	-	-	-	1050.9
M1/M1A1	72	955.0	3364.3	-49.6	52.7	120.5	581.0	20.3	1406.9	-	-	49.8	144.9	1096.0	5549.8
MLRS	78	205.7	811.0	-	-27.5	-	-	43.9	-175.3	-	10.0	34.2	7.7	283.8	625.9
MLRS-TGW	84	-	-	71.1	85.4	-	-	15.2	74.7	-	-	-	-	86.3	161.4
MSE	86	-	293.4	-	-	-	-	-9.5	-691.5	-	-	-	-	-9.5	-398.1
OH-58D (AHIP)	82	334.0	-360.0	-	73.0	216.0	293.8	212.5	444.8	-	-	274.8	116.4	1037.3	568.0
PATRIOT	72	-	-1100.2	-	674.7	-	-290.2	-33.1	842.3	-	24.5	-8.9	486.7	-42.0	637.8
SADARM	88	-	-	-	-	-	-	6.9	6.9	-	-	-	-	6.9	6.9
SINGGARS	84	787.5	763.9	-	20.3	-	13.8	-468.4	-386.2	-	-	6.5	-389.0	325.6	22.8
STINGER	72	81.7	166.4	42.5	221.4	-	84.3	-112.3	186.7	-	6.0	-	25.5	11.9	690.3
TOW 2	84	524.2	383.4	-	33.8	70.9	252.8	-	-130.0	-	-	10.5	-21.0	605.6	519.0
UH-60A (BLACKHAWK)	71	68.4	151.4	-	-99.1	51.0	111.5	197.2	803.1	-	13.4	67.7	8.8	484.3	989.1
Subtotal		6996.0	9743.7	113.5	1538.8	744.1	1833.6	169.0	6380.4	-	69.5	938.5	1643.2	8961.1	21209.2
Navy:															
A-6E/A-6 UPGRADE	84	-2338.8	779.9	-	-	-204.2	558.9	444.3	798.9	-	-	-748.1	642.4	-2846.8	2780.1
AN/BSY-1	84	-	25.1	-	25.6	-	67.0	194.0	166.7	-	-1918.0	-	309.6	194.0	-1324.0
AN/BSY-2	88	-13.9	-13.9	-	-	72.5	72.5	-50.9	-50.9	-	-	2.3	2.3	10.0	10.0
AN/SQQ-89	85	-116.7	-503.5	121.3	126.9	-	220.4	249.0	145.6	-	-	-	-14.3	253.6	-24.9
ASPJ	84	-	-	-	21.8	-	40.8	23.0	271.1	-	-	-	-	23.0	333.7
AV-8B	79	-	-580.5	-	714.2	-	346.2	-11.6	-1522.1	-	-	49.7	96.3	38.1	-945.9
BATTLESHIP REACT	82	-	-	-	105.5	-	-	-13.2	-54.5	-	-	0.7	12.1	-12.5	63.1
C/MH-53E	73	28.7	635.6	-	34.8	-0.1	173.1	-5.9	-205.3	-	2.4	-28.3	155.1	-5.6	795.7
CG-47 AEGIS	78	-	5491.4	-	-2.6	-	593.6	-21.7	-976.6	-	-	-1.7	221.9	-23.4	5327.7
CV HELO (SH-60F)	88	-	-	2.4	2.4	33.7	33.7	10.8	10.8	-	-	-66.9	-66.9	-20.0	-20.0
CVN-72/73	82	-	-	-	-	-	-	198.0	81.7	-	-	-12.0	-7.6	186.0	74.1
CVN-74/75	88	-	-	-	-	-	-	-91.0	-91.0	-	-	119.9	119.9	28.9	-95.2
DDG-51	87	6284.4	6284.4	-	-	-	-	-1051.3	-1262.5	-	-	211.2	192.5	5444.3	5214.4
E-2C	85	578.4	1112.7	13.3	13.3	13.3	75.0	-124.4	34.3	-	-	-47.9	60.1	432.7	1295.4
E-6A	82	-	41.1	-	-5.3	-	-9.5	25.3	45.6	-	-	35.6	-163.1	60.9	-91.2
EA-6B	84	205.4	2057.2	189.0	242.2	0.4	0.4	-217.0	-825.4	-	-	302.9	602.8	480.7	2077.2
F-14D	86	-	6852.8	50.7	-437.0	7.3	181.7	390.6	-3452.0	-	-	1408.1	1316.3	1856.7	4461.8
F/A-18	75	-	1768.1	-3.1	781.2	146.5	889.3	194.6	1800.2	-	4.5	-168.9	986.3	169.1	6229.6
FDS	86	-	-	-	49.7	-	49.7	20.7	20.7	-	-	39.3	39.3	109.7	109.7
HARM	78	602.0	664.0	14.0	604.7	7.1	156.0	111.5	185.5	-	-	41.0	45.6	775.6	1655.8
HARPOON	70	36.7	317.1	89.0	89.0	11.0	25.9	4.7	306.1	-	-	14.6	186.8	156.0	924.9
LAMPS MK III	76	-	-119.8	9.4	208.7	-	126.6	16.6	203.7	-	-	23.6	-31.5	49.6	387.7
LCAC	82	489.3	799.5	3.6	-	-	2.2	3.6	279.7	-	-	16.1	64.4	512.6	1145.8
LHD-1	82	656.0	2528.9	19.4	-168.0	-	-	27.7	-562.2	-	-	-17.4	75.2	685.7	1873.9
LSD-41	81	-	-928.5	-	-	-	-5.0	6.4	-170.0	-	-	-8.6	-57.4	-2.2	-1160.9
LSD-41 (CV)	88	214.9	214.9	31.9	31.9	-	-	-220.8	-220.8	-	-	5.6	5.6	31.6	31.6
MK-48 ADCAP	86	-	-	507.8	808.5	-	-	55.1	-581.4	-	-	13.1	-22.9	576.0	204.2
MK-50 TORPEDO	79	14.7	37.8	-	545.9	2.4	28.1	124.6	-47.8	-	-	-	-51.0	141.7	513.0
P-3C	84	-175.6	-1505.7	-	242.3	-	-	-7.4	-841.8	-	-	-76.6	-311.5	-259.6	-2416.7
PHALANX CIWS	84	348.6	359.1	-0.3	-0.3	-	147.3	-12.0	263.4	-	-	45.7	74.3	382.0	843.8
PHOENIX (AIM-54C)	77	-	1539.4	30.8	94.1	-2.1	157.8	7.7	-546.3	-20.5	-	20.0	128.3	35.9	1373.3
SEA LANCE	85	997.2	980.7	170.0	336.3	77.3	77.3	-628.6	-706.4	-	-	5.8	5.8	621.7	693.7
SPARROW (AIM-7M)	78	1.5	213.0	-7.7	71.4	-	-	1.9	212.3	-	-	2.2	77.4	-2.1	574.1
SSN-21	85	6796.4	10731.8	-	-	-	-	444.9	825.7	-	-	287.8	453.2	7529.1	12010.7
SSN-688	71	-588.0	5824.0	-	14.6	-27.0	532.6	139.1	15.0	-	298.5	-36.8	193.6	-512.7	6878.3
STD MSL 2	84	-	1848.7	0.9	-106.7	49.7	469.4	404.8	-432.8	-	-	166.0	77.5	721.4	1856.1
T45TS	84	-	-24.7	-	-497.4	-	253.7	410.9	419.5	-	-	-129.7	95.5	281.2	246.6
TAO FLEET OILER	84	-13.9	152.5	-	-	0.7	0.7	11.5	-371.3	-	-	-7.3	-7.3	-9.0	-225.4
TOMAHAWK	77	19.9	2643.4	110.2	-17.0	13.4	831.2	-387.7	-785.4	-	-	-	711.5	-244.2	3383.7
TRIDENT II MSL	83	771.0	731.0	-	-	-	-	-390.6	-967.4	-	-	1.2	1.2	381.6	-235.2
TRIDENT II SUB	83	1935.5	6949.3	-	-	-	-	-863.7	-2540.0	-	-	-	-	1071.8	4409.3
V-22	86	1256.1	-3367.1	-59.1	-59.1	-18.8	-19.8	1780.5	1879.7	-	-	-1446.6	-1476.8	1512.1	-3042.1
Subtotal		17989.8	54539.7	1293.5	3697.8	332.8	6077.8	1204.0	-9247.7	-20.5	-1612.6	15.6	4742.5	20815.2	58197.5

Distribution of Cost Changes (Base-Year Constant Dollars)
As of Date: December 31, 1988

Weapon System	Base Year	Cost Changes Between the Baseline and Current Estimate (Base-Year Constant Dollars)													
		Quantity		Schedule		Engineering		Estimating		Other		Support		Total	
		This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date
Air Force:															
AMRAAM	78	-	-18.7	-	-158.2	96.2	162.8	146.7	858.7	-	-	-32.7	-293.9	210.2	550.7
ATARS	85	-811.0	-811.0	-	-	98.2	98.2	10.6	10.6	-11.9	-11.9	-	-	-714.1	-714.1
ATF	85	-	-369.0	-	-	-82.5	-82.5	114.3	-1463.6	-	-	-	218.6	31.8	-1696.5
B-1B	81	-	-	-	-	287.8	287.8	-47.6	-77.2	-	-	-37.2	-407.4	203.0	-196.8
C-17A	81	-	-	-	186.6	84.5	222.0	1297.4	1102.2	-	-	-60.0	899.7	1321.9	2410.5
C-5B	80	-	-	-	-	-	-	-1.8	-1003.1	-	-	-1.6	-410.4	-3.4	-1413.5
CIS (MARK XV IFF)	82	-	-	-	-	-	-	-198.0	-483.3	-	-	-	5.7	-198.0	-477.6
CSRL	82	-0.2	-0.2	-	-	-	-	4.0	-98.2	-	-	-2.5	-16.2	1.3	-114.6
DMSP	75	-	61.2	-	-	-	-23.6	-13.1	-52.4	-	-	-5.2	24.1	-18.3	9.3
DSCS III	77	-	21.3	2.3	52.6	2.0	261.0	-10.1	54.9	-	38.4	-	-	-5.8	428.2
DSP	78	-	1211.5	-	-	-	-	-17.1	-208.5	-	-	41.7	311.4	24.6	1314.4
F-15	70	-320.8	3044.9	-167.5	346.4	-201.5	1021.5	-98.6	40.3	-	619.1	-181.4	1271.9	-969.8	6344.1
F-16	75	767.4	8053.1	68.4	365.7	1262.3	6156.7	-290.3	-1651.9	-	40.1	157.0	3771.9	1964.8	6735.6
GLCM	77	-	-129.6	-	16.0	-	35.7	-63.1	47.7	-	75.6	-17.0	253.8	-80.1	723.2
IR MAVERICK (AGM-65)	75	-742.2	-230.2	-136.1	280.5	-1.9	8.7	-498.9	218.1	-	-	-28.6	39.1	-1407.7	316.2
IUS (SPACE SHUTTLE)	75	63.6	-177.8	-	-	21.5	41.6	11.5	3.6	-	-	-4.4	-3.9	92.2	-136.5
JSTARS	83	707.9	1760.2	-	0.7	1481.6	1505.2	263.1	587.0	-	-	138.8	622.0	2591.4	4475.1
JTIDS	81	21.1	502.4	-	-1.5	-	243.8	376.1	266.4	-	-	-	38.6	397.2	1049.7
KC-135R	81	-71.8	3224.0	-	-	-	-	369.1	-835.8	-	-	-216.0	31.7	81.3	2419.9
LANTIRN	80	-53.2	-17.8	-	19.8	-0.4	-29.3	20.7	280.4	-	-	-8.2	74.1	-41.1	327.2
MLS	82	84.1	193.8	6.6	6.6	-	-	244.8	213.1	-	-	82.3	130.8	417.8	544.3
NAVSTAR GPS	79	-	376.0	-	4.5	-	388.4	-94.7	-165.6	-	-	-	156.6	-94.7	759.9
NAVSTAR USER EQMT	79	-29.0	-35.0	-	-	-24.8	-24.8	165.2	-17.8	-	-	-90.8	-225.3	20.6	-302.9
OTH-B	82	-196.0	291.5	-	6.1	-42.5	131.5	-30.1	-19.7	-	-	-59.2	-0.6	-327.8	408.8
PEACEKEEPER	82	-	236.4	-	17.6	-	-72.5	693.9	1533.8	-	-	67.7	-995.1	761.6	720.2
RAIL GARRISON	82	-	-	-	-	-	-	-956.6	-1456.3	-	-	-150.9	-194.0	-1107.5	-1650.3
SFW	79	2.2	344.2	-	-	-	-	-1.5	1.6	-	-	0.2	3.4	0.9	349.2
SMALL ICBM	84	-	-9044.4	-	-	-	-	-2.1	20.9	-194.8	-8681.3	-	-13162.8	-196.9	-30867.6
SRAM II	83	-	-	-	-	119.1	119.1	-90.9	-90.9	-	-	-22.5	-22.5	5.7	5.7
TACIT RAINBOW	85	93.2	93.2	55.5	55.5	168.4	168.4	214.3	267.8	-	-	-165.0	-192.9	366.4	392.0
TITAN IV	85	3835.2	5301.6	-	-	-656.9	-773.6	1635.9	2691.8	-	-	679.8	526.6	5494.0	7746.4
TRI-TAC	76	-	125.6	-	-	-	9.2	-48.8	-222.7	-	-	18.7	-34.3	-30.1	-122.2
WIS(WMCCS INF SYS)	82	-	-	-	-	-	25.7	160.9	188.1	-	-	-	-1.9	160.9	211.9
Subtotal		3350.5	14007.2	-170.8	1198.9	2611.1	9881.0	3265.2	964.0	-206.7	-7920.0	103.0	-7581.2	8952.3	10549.9
Grand Total		28336.3	78290.6	1236.2	6435.5	3688.0	17792.4	4638.2	-1903.3	-227.2	-9463.1	1057.1	-1195.5	38728.6	89956.6

Distribution of Cost Changes (Current-Year Dollars)
As of Date: December 31, 1988

Weapon System	Cost Changes Between the Baseline and Current Estimate (Current-Year Dollars)															
	Economic		Quantity		Schedule		Engineering		Estimating		Other		Support		Total	
	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date
Army:																
ADDS	-29.5	-420.1	-530.3	185.8	38.0	38.0	27.0	-410.4	127.6	604.2	-	-	-206.9	-206.9	-574.1	-209.4
AH-64 (APACHE)	-4.0	650.2	2025.2	2681.1	-	607.6	-	256.1	839.5	3681.3	-	-	969.3	2179.3	3830.0	10055.6
ATACMS	7.1	4.2	479.8	479.8	-	-	-	-	-27.2	-102.3	-	-	-	-	459.7	381.7
ATM	-0.1	-0.1	-	-	-	-	-	-	37.1	37.1	-	-	-	-	37.0	37.0
BRADLEY FVS	-24.3	-467.9	1459.5	4135.3	75.4	769.5	514.4	2272.0	77.7	3598.8	-	17.9	16.0	1290.3	2118.7	11615.9
CH-47D (CHINOOK)	0.9	165.3	203.5	749.0	-	-7.6	-	-	9.5	728.0	-	-	70.3	124.3	284.2	1759.0
COPPERHEAD	-	53.5	-	-1044.9	-	-	-	330.7	-	26.8	-	-	-	14.7	-	-3.0
FAAD C2I	-6.9	41.4	-	-	-	-16.1	-	-	80.6	99.5	-	-	-	-	73.7	124.8
FAADS LOS-F-H	-2.3	-2.3	3902.5	3902.5	-	-	-	-	12.6	-54.8	-	-	487.0	487.0	4399.8	4332.4
FAADS LOS-R	-2.8	16.8	-	-	24.9	24.9	-	-	-32.9	-33.8	-	-	1.2	1.2	-9.6	9.1
FAADS NLOS	-3.4	19.9	-	-	-	-	-	5.8	-2.2	-2.2	-	-	-	-	-5.6	23.5
HELLFIRE	-0.2	137.8	334.8	797.1	68.6	518.5	285.9	603.2	-464.7	-116.0	-	-	33.3	34.4	257.7	1975.0
LHX	-11.4	-28.4	-	-	-	-	-	-	-23.0	1504.1	-	-	-	-	-34.4	1475.7
M1/M1A1	-154.4	106.6	4000.3	12326.4	-223.4	846.6	465.4	2123.9	104.4	5504.8	-	-	209.5	713.6	4401.8	21621.9
MLRS	3.2	762.9	522.2	1927.8	-	-2.0	-	-	112.3	-391.6	-	18.6	90.0	66.4	727.7	2382.1
MLRS-TGW	-1.3	-12.3	-	-	95.6	117.9	-	1.5	19.7	110.3	-	-	-	-	114.0	217.4
MSE	-10.5	-37.3	-	360.0	-	-	-	-	1.7	-813.2	-	-	-	-	-8.8	-490.5
OH-58D (AHIP)	104.8	-305.4	518.1	-498.0	-	177.0	339.4	453.2	354.4	592.3	-	-	427.0	220.4	1743.7	639.5
PATRIOT	-20.0	2053.2	-	-816.5	-	2349.7	-	-103.2	-107.9	2266.5	-	27.6	-30.5	1351.1	-158.4	7128.4
SADARM	-	-	-	-	-	-	-	-	4.6	4.6	-	-	-	-	4.6	4.6
SINCGARS	-54.6	-489.2	1267.4	1229.4	102.7	700.7	-	16.3	-695.6	-707.0	-	-	6.8	-530.3	626.7	219.9
STINGER	-1.2	436.0	330.8	614.5	176.0	1017.0	-	205.1	-407.9	555.5	-	7.3	-	67.7	97.7	2903.1
TOW 2	0.7	-150.1	715.0	512.7	-	102.4	89.8	326.3	-	-194.3	-	-	14.8	-6.3	820.3	590.7
UH-60A (BLACKHAWK)	37.6	1258.5	630.9	619.4	-	-43.0	184.8	437.5	791.1	3477.8	-	19.9	259.7	373.9	1904.1	6144.0
Subtotal	-172.6	3793.2	15859.7	28161.4	357.8	7531.8	1906.7	6214.1	811.4	20959.5	-	97.6	2347.5	6180.8	21110.5	72938.4
Navy:																
A-6E/A-6 UPGRADE	-141.8	3.9	-3237.6	189.2	-	-	-249.3	585.6	721.6	132.7	-	-	-958.0	463.7	-3865.1	1375.1
AN/BSY-1	-4.8	-90.2	-	46.8	-	25.0	-	83.7	261.9	234.3	-	-2637.6	-	386.6	257.1	-1951.4
AN/BSY-2	-4.2	-4.2	-16.7	-16.7	-	-	86.9	86.9	-58.1	-58.1	-	-	1.1	1.1	9.0	9.0
AN/SQQ-89	-18.2	83.2	-153.2	-574.8	171.6	334.4	0.1	257.7	337.7	69.2	-	-	-	-8.6	338.0	161.1
ASPJ	0.1	-1.4	-	-	-	25.4	-	52.1	32.1	291.4	-	-	-	-	32.2	367.5
AV-8B	-37.1	-780.8	-	-1473.7	-	1410.8	-	732.5	-14.7	-953.5	-	-	104.9	261.7	-803.0	-803.0
BATTLESHIP REACT	-7.5	-205.5	-	-	-	137.4	-	-	-15.5	-81.8	-	-	0.8	14.4	-22.2	-135.5
C/MH-53E	-8.1	-159.8	125.6	2295.2	-	65.4	-0.4	456.9	-42.1	-735.9	-	3.0	-110.5	462.4	-35.5	2387.2
CG-47 AEGIS	-120.4	-896.8	-	11739.0	-	435.4	-	980.6	-32.6	-2740.4	-	-	-3.1	469.6	-156.1	9987.4
CV HELO (SH-60F)	-32.2	-32.2	-	-	-4.3	-4.3	39.6	39.6	10.7	10.7	-	-	-69.0	-69.0	-55.2	-55.2
CVN-72/73	-12.3	-848.3	-	-	-	-	-	-	230.3	-232.4	-	-	-14.4	-14.6	203.6	-1095.3
CVN-74/75	34.7	38.1	-	-	-	-644.4	-	-	-134.7	-134.7	-	-	155.1	155.1	55.1	-585.9
DDG-51	-188.0	33.7	7996.5	7996.5	-128.3	15.8	-	-	-1219.6	-1369.2	-	-	284.3	263.1	6744.9	6939.9
E-2C	-17.0	-122.3	761.8	1384.5	17.7	17.7	21.9	61.3	-151.7	64.6	-	-	-53.2	76.5	579.5	1482.3
E-6A	-9.8	-233.5	-	61.2	-	-5.5	-	47.6	34.9	123.5	-	-	51.6	-268.1	76.7	-274.8
EA-6B	-131.7	446.1	283.3	2652.7	257.4	325.2	0.4	0.4	-169.9	-1763.1	-	-	413.1	830.7	652.6	2492.0
F-14D	-441.7	-276.9	-	9561.8	77.0	-804.8	8.5	230.3	518.4	-4682.1	-	-	1865.1	1773.8	2027.3	5802.1
F/A-18	-326.7	5864.1	-	2471.7	-29.9	5571.2	480.8	2802.5	643.8	4982.7	-	6.5	-423.9	3035.5	344.1	24734.2
FDS	-1.8	-2.5	-	-	-	-	61.7	61.7	26.4	29.8	-	-	48.7	48.7	135.0	137.7
HARM	-10.3	345.4	1487.5	1554.2	35.5	1855.0	14.0	264.6	265.6	339.0	-	-	100.9	108.6	1893.2	4466.8
HARPOON	-12.4	115.3	146.3	998.8	341.0	335.2	40.8	116.2	34.3	1258.4	-	-	64.9	583.8	614.9	3407.7
LAMPS MK III	-24.3	-279.9	-	-228.9	37.3	1603.7	-	348.8	16.5	334.5	-	-	74.7	259.0	104.2	2037.2
LCAC	-19.1	-471.2	697.9	1243.4	-	33.3	-	2.8	6.7	377.2	-	-	20.9	76.0	706.4	1261.5
LHD-1	-43.3	-1518.5	930.5	4005.5	27.1	-206.8	-	-	47.9	-784.2	-	-	-18.5	127.7	943.7	1623.7
LSD-41	-10.1	-541.2	-	-1476.4	-	-	-	-6.3	7.9	-268.8	-	-	-10.5	-85.8	-12.7	-2378.5
LSD-41 (CV)	-1.6	-1.6	268.9	268.9	39.3	39.3	-	-	-258.7	-258.7	-	-	8.8	8.8	56.7	56.7
MK-48 ADCAP	-24.4	-14.1	-	-	759.0	1163.3	-	-	65.5	-637.3	-	-	18.8	-25.6	818.9	486.3
MK-50 TORPEDO	-110.6	-767.6	21.2	47.7	-	952.2	2.9	31.0	181.1	-95.6	-	-	-80.3	94.6	87.4	-
P-3C	-41.1	-443.5	-176.0	-1897.2	-	316.3	-	-	-9.3	-1086.1	-	-	-100.1	-470.2	-326.5	-3580.7
PHALANX CIWS	-9.1	-356.5	463.2	477.0	-35.1	-1.4	-	186.4	-8.8	175.8	-	-	54.4	102.9	464.6	584.2
PHOENIX (AIM-54C)	-0.3	-586.5	-	4750.0	88.8	517.5	-5.2	346.4	-5.1	-2114.8	-41.0	-	52.6	384.0	89.8	3296.6
SEA LANCE	-41.4	-54.2	1415.1	1396.7	195.7	449.7	108.2	108.2	-814.4	-905.5	-	-	8.1	8.1	871.3	1003.0
SPARROW (AIM-7M)	-2.8	125.5	3.5	553.4	-16.9	211.2	-	-	4.2	434.9	-	-	5.2	168.7	-6.8	1493.7
SSN-21	14.9	-282.9	8670.0	13750.8	-	-	-	-	556.7	913.7	-	-	389.0	626.7	9630.6	15008.3
SSN-688	-157.3	-4551.7	-2038.0	23051.5	-	87.3	-94.2	1951.1	403.0	285.6	-	412.8	-129.5	1095.5	-2016.0	22332.1
STD MSL 2	-27.1	-887.9	-	2398.5	118.2	110.5	187.9	564.2	558.4	-478.6	-	-	237.7	153.8	1075.1	1860.5
T45TS	-51.9	-767.0	-	-23.8	-	-603.6	-	349.0	549.1	523.5	-	-	-169.4	217.0	327.8	-304.9
TAO FLEET OILER	-	-153.8	-65.9	111.7	-	-	-	-	54.3	-444.2	-	-	-34.5	-34.5	-46.1	-520.8
TOMAHAWK	-33.8	-1893.8	52.4	7679.0	314.4	660.2	60.3	1819.6	-965.9	-1720.6	-	-	-	1760.9	-572.6	8305.3
TRIDENT II MSL	-376.0	-190.1	1305.0	1257.0	278.8	278.8	-	-	-595.8	-1380.6	-	-	3.0	3.0	615.0	-31.9
TRIDENT II SUB	-132.8	-3052.9	2663.9	10061.9	-	-	-	-	-1099.3	-3210.9	-	-	-	-	1431.8	3798.1
V-22	-382.8	-165.7	1683.5	-4624.7	262.3	262.9	-24.1	-24.1	2531.2	2663.1	-	-	-1881.0	-1918.4	2189.1	-3806.9
Subtotal	-2966.1	-13579.7	23288.7	101688.4	2806.6	14969.3	740.8	12537.3	2504.0	-12892.5	-41.0	-2215.3	-11.9	10952.3	26321.1	111459.8

**Distribution of Cost Changes (Current-Year Dollars)
As of Date: December 31, 1988**

Weapon System	Cost Changes Between the Baseline and Current Estimate (Current-Year Dollars)															
	Economic		Quantity		Schedule		Engineering		Estimating		Other		Support		Total	
	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date
Air Force:																
AMRAAM	-60.9	-2107.1	-	-39.2	22.5	397.3	203.3	378.7	298.3	2000.0	-	-	-70.0	-628.9	393.2	0.8
ATARS	-17.1	-17.1	-1081.3	-1081.3	-	-	121.4	121.4	13.2	13.2	-16.4	-16.4	-	-	-980.2	-980.2
ATF	-56.3	-672.5	-	-467.7	-29.4	377.7	-109.8	-109.8	144.2	-2085.0	-	-	1.0	283.0	-50.3	-2674.3
B-1B	-7.8	-1800.6	-	-	-	-	476.0	476.0	-73.3	-526.3	-	-	0.1	-249.0	395.0	-2099.9
C-17A	-524.4	-6365.2	-	-	-	546.9	135.1	381.8	2253.3	1627.2	-	-	-104.5	1510.1	1759.5	-2299.2
C-5B	-13.6	-294.3	-	-	-	36.0	-	-	-2.9	-1754.0	-	-	-2.5	-652.9	-19.0	-2665.2
CIS (MARK XV IFF)	-2.2	-88.8	-	-	-	92.9	-	-	-275.9	-709.0	-	-	-	6.7	-278.1	-698.2
CSRL	-1.6	-17.9	-0.3	-0.3	-	-	-	-	6.5	-138.2	-	-	-2.6	-21.8	2.0	-178.2
DMSP	-4.2	-168.3	-	190.2	1.9	1.9	-	-65.6	-41.5	-99.7	-	-	-10.5	80.6	-54.3	-60.9
DSCS III	-0.8	86.0	-	55.3	5.9	129.6	3.8	552.8	-20.6	199.7	-	77.4	-	-	-11.7	1100.8
DSP	4.3	-170.1	-	2731.3	18.3	70.5	-	-	-85.7	-500.7	-	-	-	89.9	631.3	26.8
F-15	-226.0	413.3	-1545.6	13203.6	-1145.2	2163.1	-744.5	3306.1	-701.0	395.8	-	767.7	-798.4	5928.5	-5160.7	26178.1
F-16	-239.3	-2312.4	2508.4	22866.1	404.6	2128.1	3543.2	18631.7	-672.1	-4070.0	-	56.4	569.6	10416.0	6114.4	47715.9
GLCM	2.3	282.5	-	-216.3	-	135.9	-	61.6	-110.7	882.0	-	136.7	-	-48.9	475.5	-157.3
IR MAVERICK (AGM-65)	-56.9	-192.0	-2319.4	-756.1	-410.2	1865.7	-5.8	24.2	-1538.4	528.4	-	-	-	137.0	-4420.7	1607.2
IUS (SPACE SHUTTLE)	1.1	-16.5	186.2	-489.3	-	-	63.2	109.5	38.3	31.0	-	-	-	-11.5	277.3	-379.4
JSTARS	-29.1	-95.7	1005.0	2483.3	80.1	135.3	2258.1	2287.5	426.7	893.5	-	-	233.9	941.4	3974.7	6645.3
JTIDS	-1.7	-48.1	29.1	730.9	-	22.8	-	352.7	535.3	389.5	-	-	-	56.1	562.7	1503.9
KC-135R	-167.5	-678.9	-118.3	6056.7	106.4	403.4	-	-	657.6	-1210.0	-	-	-355.4	169.1	122.8	4740.3
LANTIRN	-15.9	-375.5	-97.2	-25.8	-	32.8	-0.7	-27.7	37.2	471.6	-	-	-15.7	131.8	-92.3	207.2
MLS	-3.8	-8.2	142.4	299.4	13.9	27.5	-	-	399.1	353.2	-	-	137.9	211.9	689.5	883.8
NAVSTAR GPS	-21.1	-122.8	-	844.9	-12.4	623.6	-	613.1	-206.3	-549.8	-	-	-	324.7	-239.8	1733.7
NAVSTAR USER EQMT	-37.6	-221.8	-66.1	-80.0	75.2	132.4	-54.9	-54.9	300.5	-55.9	-	-	-195.7	-465.6	21.4	-745.8
OTH-B	-7.6	-90.4	-274.9	412.9	0.3	55.5	-66.6	193.1	-40.3	-11.1	-	-	-83.4	7.3	-472.5	567.3
PEACEKEEPER	-28.1	-910.6	-	377.6	124.9	1059.9	-	-97.1	1339.5	2708.9	-	-	109.7	-1326.8	1546.0	1811.9
RAIL GARRISON	-0.5	51.8	-	-	88.8	88.8	-	-	-1479.3	-2129.5	-	-	-233.7	-291.1	-1624.7	-2280.0
SFW	-60.2	-49.1	3.6	769.3	54.2	70.2	-	-	0.1	6.7	-	-	0.4	7.9	-1.9	805.0
SMALL ICBM	2.4	234.6	-	-12604.8	-	-	-	-	-2.4	23.4	-213.9	-10935.3	-	-18307.7	-213.9	-41589.8
SRAM II	-15.7	-15.7	-	-	-	-	163.9	163.9	-109.9	-109.9	-	-	-34.0	-34.0	4.3	4.3
TACIT RAINBOW	-32.6	-5.7	117.0	117.0	294.0	283.2	231.9	231.9	249.4	324.3	-	-	-209.6	-229.5	650.1	721.2
TITAN IV	16.7	-28.5	5042.5	6835.7	5.0	-31.2	-917.1	-1076.2	2075.9	3378.5	-	-	844.8	593.8	7067.8	9672.1
TRI-TAC	-4.1	-100.3	-	312.3	0.2	38.1	-	19.9	-112.7	-514.2	-	-	43.7	-58.8	-72.9	-303.0
WIS(WWMCCS INF SYS)	-5.7	-205.9	-	-	-	23.2	-	30.9	287.7	559.9	-	-	-	-2.4	282.0	405.7
Subtotal	-1615.5	-16111.8	3531.1	42525.7	-301.0	10911.1	5300.5	26505.5	3589.8	323.5	-230.3	-9913.5	-235.4	-369.9	10039.2	53870.6
Grand Total	-4754.2	-25898.3	42679.5	172375.5	2863.4	33412.2	7948.0	45256.9	6905.2	8390.5	-271.3	-12031.2	2100.2	16763.2	57470.8	238268.8

Program Funding Status (Dollars in Millions)
As of Date: December 31, 1988

Weapon System	Prior Years	FY 90 Budget	FY 91 Budget	Balance of Program	Total
Army:					
ADDS	542.0	69.6	243.3	1973.9	2828.8
AH-64 (APACHE)	9844.5	986.8	909.8	2104.3	13845.4
ATACMS	606.9	187.7	188.9	620.5	1604.0
ATM	130.4	20.3	28.8	132.5	312.0
BRADLEY FVS	8394.2	690.3	721.6	2246.7	12052.8
CH-47D (CHINOOK)	2479.9	326.6	259.9	255.4	3321.8
COPPERHEAD	1237.7	-	-	-	1237.7
FAAD C2I	364.4	166.9	228.5	1296.8	2056.6
FAADS LOS-F-H	344.9	449.8	402.7	4828.3	6025.7
FAADS LOS-R	216.4	124.1	139.8	786.4	1266.7
FAADS NLOS	264.9	171.9	229.5	2254.1	2920.4
HELLFIRE	1786.9	167.4	173.1	551.0	2678.4
LHX	623.5	292.4	499.6	2193.2	3608.7
M1/M1A1	17999.4	1429.0	1332.8	5640.1	26401.3
MLRS	4092.4	336.2	326.2	1081.3	5836.1
MLRS-TGW	170.0	47.2	47.2	164.2	428.6
MSE	3313.2	984.7	345.6	-	4643.5
OH-58D (AHIP)	1471.6	299.1	327.9	1072.5	3171.1
PATRIOT	10486.7	738.7	612.1	531.4	12368.9
SADARM	354.7	155.0	104.5	1172.6	1786.8
SINCGARS	791.8	361.9	348.9	4329.0	5831.6
STINGER	1998.1	187.5	280.1	911.2	3376.9
TOW 2	1985.4	197.3	235.8	796.0	3214.5
UH-60A (BLACKHAWK)	5991.2	439.0	480.7	1540.4	8451.3
Subtotal	75491.1	8829.4	8467.3	36481.8	129269.6
Navy:					
A-6E/A-6 UPGRADE	4595.8	3.7	-	-	4599.5
AN/BSY-1	1316.4	123.2	91.0	345.6	1876.2
AN/BSY-2	715.0	486.9	528.9	1134.0	2864.8
AN/SQQ-89	2416.2	357.4	434.2	2053.6	5261.4
ASPJ	491.6	15.8	18.8	77.7	603.9
AV-8B	7156.0	592.2	550.7	23.6	8322.5
BATTLESHIP REACT	1741.1	-	-	-	1741.1
C/MH-53E	2892.6	72.2	0.8	-	2965.6
CG-47 AEGIS	23759.7	85.9	77.0	148.3	24070.9
CV HELO (SH-60F)	984.9	313.6	271.6	1548.5	3118.6
CVN-72/73	6225.0	51.3	15.8	31.5	6323.6
CVN-74/75	6225.0	-	-	155.1	6380.1
DDG-51	7380.8	3661.6	3728.2	12286.8	27057.4
E-2C	5133.7	559.7	489.3	1221.1	7403.8
E-6A	1916.9	57.1	2.9	-	1976.9
EA-6B	3009.6	172.8	398.3	1659.1	5239.8
F-14D	2958.4	1397.8	1470.5	19195.2	25021.9
F/A-18	25465.5	2687.4	2183.2	7273.4	37609.5
FDS	261.2	160.2	204.6	288.7	914.7
HARM	4383.7	410.1	411.6	1671.3	6876.7
HARPOON	3229.0	223.4	233.0	754.1	4439.5
LAMPS MK III	4118.1	246.2	199.4	1381.1	5944.8
LCAC	1397.6	223.2	301.7	949.7	2872.2
LHD-1	3898.4	10.7	60.9	2104.7	6074.7
LSD-41	2440.5	29.4	1.5	-	2471.4
LSD-41 (CV)	270.5	233.1	237.0	900.1	1640.7
MK-48 ADCAP	2516.4	544.6	473.4	3265.9	6800.3
MK-50 TORPEDO	1769.2	335.9	345.1	4290.9	6741.1
P-3C	1442.9	-	-	-	1442.9
PHALANK CIWS	2242.2	151.4	151.2	521.1	3065.9
PHOENIX (AIM-54C)	2766.3	378.7	332.5	283.4	3760.9
SEA LANCE	519.2	129.6	199.6	2495.6	3344.0
SPARROW (AIM-7M)	2751.8	-	-	-	2751.8
SSN-21	3696.8	1090.4	3395.4	10700.7	18883.3
SSN-688	26123.4	1636.0	83.2	237.0	28079.6
STD MSL 2	5341.4	485.1	645.7	3441.1	9913.3
T45TS	1453.7	484.6	658.3	2560.5	5157.1
TAO FLEET OILER	2621.6	11.9	7.5	28.9	2669.9
TOMAHAWK	6934.5	722.0	781.3	2290.4	10728.2
TRIDENT II MSL	15475.7	2019.5	1652.4	16339.0	35486.6
TRIDENT II SUB	11561.4	1276.8	1275.0	3770.1	17883.3
V-22	2402.0	1667.7	1917.2	19868.5	25855.4
Subtotal	214001.7	23109.1	23828.7	125296.3	386235.8

Program Funding Status (Dollars in Millions)
As of Date: December 31, 1988

Weapon System	Prior Years	FY 90 Budget	FY 91 Budget	Balance of Program	Total
Air Force:					
AMRAAM	3467.3	1072.7	1334.8	5717.6	11592.4
ATARS	92.3	91.0	79.5	49.5	312.3
ATF	1912.3	1212.7	1628.1	7866.6	12619.7
B-1B	26714.6	56.2	79.9	587.0	27437.7
C-17A	5117.2	2938.4	3116.2	26282.8	37454.6
C-5B	7002.1	-	-	-	7002.1
CIS (MARK XV IFF)	266.5	133.3	161.4	412.7	973.9
CSRL	541.8	69.0	12.2	12.6	635.6
DMSP	986.1	186.8	202.5	442.7	1818.1
DSCS III	1493.7	77.2	78.5	345.0	1994.4
DSP	5659.7	597.0	681.6	1371.6	8309.9
F-15	26211.0	1696.1	1630.3	3995.9	33533.3
F-16	28976.3	3296.2	3210.4	18287.5	53770.4
GLCM	3285.1	-	-	-	3285.1
IR MAVERICK(AGM-65)	2651.0	193.1	179.2	176.8	3200.1
IUS (SPACE SHUTTLE)	1265.5	36.1	23.9	307.4	1632.9
JSTARS	1483.9	211.6	204.9	6133.1	8033.5
JTIDS	1102.0	228.0	211.3	345.1	1886.4
KC-135R	5030.7	407.3	411.4	6720.1	12569.5
LANTIRN	3386.8	365.7	277.9	-	4030.4
MLS	64.4	38.4	56.7	868.3	1027.8
NAVSTAR GPS	2200.1	103.6	231.5	1505.2	4040.4
NAVSTAR USER EQMT	1509.7	299.8	317.8	2002.7	4130.0
OTH-B	1256.1	237.8	278.7	214.1	1986.7
PEACEKEEPER	14906.2	1144.5	993.8	6447.6	23492.1
RAIL GARRISON	1029.5	1215.7	2154.6	2427.0	6826.8
SFW	152.7	27.6	118.7	2911.8	3210.8
SMALL ICBM	3138.1	-	-	-	3138.1
SRAM II	451.0	227.8	296.0	1422.9	2397.7
TACIT RAINBOW	378.5	35.4	223.9	3737.4	4375.2
TITAN IV	4938.7	1194.5	1213.6	4854.5	12201.3
TRI-TAC	1456.2	129.8	120.0	216.2	1922.2
WIS(WWMCCS INF SYS)	713.5	174.4	172.6	1202.2	2262.7
Subtotal	158840.6	17697.7	19701.9	106863.9	303104.1
Grand Total	448333.4	49636.2	51997.9	268642.0	818609.5