

SELECTED ACQUISITION REPORT (SAR) SUMMARY TABLES

As of Date: December 31, 1990

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UNCLASSIFIED

Department of Defense
Cost Management, OUSD(A)
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SELECTED ACQUISITION REPORTS - HIGHLIGHTS

(As of December 31, 1990)

The Department of Defense has released details on major system cost and schedule changes since the September 1990 reporting period. This information is based on the Selected Acquisition Reports (SARs) submitted to the Congress for the December 31, 1990, reporting period.

SARs summarize the latest estimates of cost, schedule, and technical status on major defense systems. These reports are prepared annually in conjunction with the President's budget for each funded program. Subsequent quarterly exception reports are required only for those programs experiencing unit cost increases of at least 15 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 acquisitions. All estimates include allowances for anticipated inflation.

The cost for one of the reporting programs, the Army's All Source Analysis System (ASAS), is classified. The adjusted current estimate of program acquisition costs for the remaining programs covered by SARs for the prior reporting period is \$869,599.9 million. There was a net decrease of \$-6,976.7 million during the current period. The cost changes between September and December 1990 are summarized below:

	Current Estimate <u>(\$ in Millions)</u>
September 1990 (102 programs ^{1/})	\$ 867,219.9
Plus reinstatement of V-22 program reporting per congressional direction	+2,639.5
Less terminated report on Navy's P-7A	-259.5

September 1990 Adjusted (101 programs^{1/2/}) \$ 869,599.9

Changes Since Last Report:

Economic	\$ +4,476.3
Quantity	-55,463.6
Schedule	+24,381.9
Engineering	+3,281.4
Estimating	+17,762.5
Other	-90.2
Support	<u>-1,325.0</u>

Net Cost Change \$ -6,976.7

Plus initial procurement estimates for LONGBOW APACHE (previously report was limited to RDT&E costs)^{3/} +2,053.6

Less baseline adjustment due to net transfer of RDT&E to new LONGBOW HELLFIRE SAR -92.7

Plus additional scope for EHF capability in the UHF Follow-On program +185.0

Plus WAM baseline offset resulting from division of previously consolidated WAM and WIS programs +957.2

December 1990 (101 programs^{1/}) \$865,726.3

The net cost decrease was \$-6,976.7 million or -0.8 percent. Reductions in the planned buy quantities (\$-55,463.6 million) were offset by increases due to schedule stretchouts (\$+24,381.9 million), revised estimates (\$+17,762.5 million), engineering changes (\$+3,281.4 million) and higher inflation rates (\$+4,476.3 million). Details of the most significant changes are summarized in the attachment.

^{1/}Excludes Army's ASAS program due to classified costs.

^{2/}Less one program due to the consolidation of Navy's SSN-21 and AN/BSY-2.

^{3/}Prior to full scale development approval, Title 10, United States Code, Section 2432 permits cost estimates to be limited to the development program. With the transition to full scale development, estimated procurement costs of \$2,053.6 million have been added to the APACHE LONGBOW SAR. This increase does not represent cost growth, but establishes a total program acquisition baseline from which future changes will be measured.

New SARs and Additions to Existing SARs

(As of December 31, 1990)

There are two new reports (AFATDS and LONGBOW HELLFIRE) and new scope additions to two existing reports (CVN-76 and SRAM-T) being submitted for the first time. 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>
AFATDS (Advanced Field Artillery Tactical Data System)	\$1,251.3
LONGBOW HELLFIRE	2,190.3
CVN-76 (Additional carrier budgeted FY 1995)	4,297.2
SRAM-T (Short-Range Attack Missile - Tactical)	<u>1,206.6</u>
Total	\$8,945.4

SUMMARY EXPLANATIONS OF SAR COST CHANGES

(As of December 31, 1990)

Army:

AAWS-M (Advanced Antitank Weapon System - Medium) - Program costs increased \$476.2 million (+11.5%) from \$ 4,159.9 million to \$4,636.1 million, due primarily to a schedule delay of one year (\$+316.5 million) and an increase in support costs (\$+132.8 million).

ASM (Armored System Modernization) - Program costs increased \$2,959.5 million (+47.8%) from \$6,191.1 million to \$9,150.6 million, due primarily to expansion of the full scale development (FSD) effort and addition of pre-FSD prototypes (\$+2,801.0 million), and revised escalation rates (\$+158.0 million).

ATACMS (Army Tactical Missile System) - Program costs decreased \$673.2 million (-30.9%) from \$2,181.4 million to \$1,508.2 million, due primarily to a quantity decrease of 1,292 missiles from 2,834 to 1,542 (\$-489.9 million), and revised program cost estimates (\$-210.9 million).

BRADLEY FVS (Bradley Fighting Vehicle System) - Program costs decreased \$2,561.0 million (-20.4%) from \$12,580.5 million to \$10,019.5 million, due primarily to a quantity decrease of 2,087 vehicles from 8,811 to 6,724 (\$-1,754.0 million). Other decreases included elimination of engineering funds for the Driver Thermal Viewer (DTV), Automatic Fire Extinguishing System (AFES), Enhanced Position Location Reporting System (EPLRS), armor tiles and, Digital Turret Distribution Box (DTDB) (\$-490.1 million), and revised program cost estimates associated with the decreased quantities and elimination RDT&E funding from FY 1992 and beyond (\$-471.9 million).

FAAD (Forward Area Air Defense) C2I - Program costs increased \$1,042.1 million (+46.9%) from \$2,223.9 million to \$3,266.0 million, due primarily to revised FAAD C2 program cost estimates caused by budget constraints in FY 1991-93 and the addition of evolutionary software in FY 1998 to FY 2006, and stretchout of the NCTR/MTS funding from FY 1994 to FY 2002 (\$+673.1 million). Other increases included a quantity increase of 33 production units from 130 to 163 (\$+134.0 million) and revised escalation rates (\$+163.1 million).

FAADS LOS-R (Line of Sight - Rear) - Program costs increased \$879.1 million (+68.2%) from \$1,288.9 million to \$2,168.0 million, due primarily to a quantity increase of 572 fire units from 1,207 to 1,779 (\$+519.8 million). Other increases included revised program estimates (\$+201.0 million) and increased initial spares, training equipment, and government furnished

equipment requirements to support the increased fire units (\$+142.2 million).

FAADS NLOS (Non-Line of Sight Fiber Optic Guided Missile) - Program costs decreased \$196.5 million (-31.2%) from \$630.8 million to \$434.3 million, due primarily to cancellation of the program in FY 1992 and beyond (\$-146.7 million) and restructure of the full scale development effort (\$-49.8 million).

HELLFIRE - Program costs decreased \$361.4 million (-13.4%) from \$2,692.1 million to \$2,330.7 million, due primarily to a quantity decrease of 12,665 missiles from 56,716 to 44,051 (\$-265.2 million). Other decreases included revised program cost estimates (\$-82.9 million) and restructuring of the procurement schedule (\$-24.5 million).

JGL TACIT RAINBOW (Joint Ground Launched Tacit Rainbow) - Program costs decreased \$4,641.3 million (-98.1%) from \$4,732.4 million to \$91.1 million, due to cancellation of the program.

LH (Light Helicopter Program) - Program costs increased \$551.0 million (+13.5%) from \$4,078.5 million to \$4,629.5 million, due primarily to increased funding for integration of the LONGBOW system on the LH (\$+455.4 million). Other increases included revised program cost estimates to cover development testing and LH prototypes (\$+58.6 million), and revised escalation rates (\$+37.0 million).

LONGBOW APACHE - Program costs increased \$503.6 million (+18.9%) from \$2,667.1 million to \$3,170.7 million, due to a schedule slippage from 51 months to 71 months for development of the airframe and elimination of concurrency for the fire control radar and seeker (\$+237.6 million), and revised program estimates for the fire control radar risk reduction program and funding of a highly sensitive, classified program (\$+220.2 million).

SADARM (Sense and Destroy Armor) - Program costs decreased \$2,119.8 million (-31.3%) from \$6,771.3 million to \$4,651.5 million, due primarily to quantity decreases of 24,368 for the 155mm projectile from 63,386 to 39,018 rounds (\$-381.8 million) and 35,398 for the MLRS rocket reduced from 59,110 to 23,712 rounds (\$-2,576.9 million). These decreases were partially offset by a schedule stretchout from FY 2001 to FY 2005 (\$+964.8 million).

SINGARS (Single Channel Ground and Airborne Radio System) - Program costs decreased \$3,314 million (-50.8%) from \$6,527.3 million to \$3,213.3 million, due primarily to a quantity decrease of 214,802 from 364,802 to 150,000 ground and airborne radios (\$-3,887.2 million). This decrease is partially offset by revised program cost estimates (\$+526.2 million).

STINGER RMP - Program costs decreased \$1,203.9 million (-44.8%) from \$2,688.3 million to \$1,484.4 million, due to termination of missile procurement for FY 1992 and beyond.

UH-60A/L (BLACKHAWK) - Program costs decreased \$7,446.0 million (-46.0%) from \$16,172.1 million to \$8,726.1 million, due primarily to a quantity decrease of 810 aircraft from 2,257 to 1,447 (\$-3,340 million) and revised cost estimates associated with the decreased buy (\$-4,141.5 million).

Navy:

AOE 6 - Program costs decreased \$1,022.3 million (-32.1%) from \$3,187.3 million to \$2,165.0 million, due primarily to a quantity decrease of 3 ships from 7 to 4 (\$-1,374.3 million) and associated decrease in outfitting and material costs (\$-35.7 million). These decreases were partially offset by a schedule slip of the fourth ship buy from FY 1991 to FY 1992 (\$+131.8 million), and revised cost estimates for the fourth ship which must be recomputed as a stand-alone buy (\$+64.1 million) and for the addition of homeport construction requirements (\$+183.8 million).

C/MH-53E - Program costs decreased \$2,583.4 million (-33.6%) from \$7,692.5 million to \$5,109.1 million, due primarily to a quantity decrease of 147 aircraft from 381 to 234 (\$-2,844.7 million) and associated decreases in support requirements (\$-230.6 million). These decreases were partially offset by a schedule stretchout of the remaining buys (\$+239.9 million) and revised airframe estimates based on prior year actuals (\$+458.7 million).

CV HELLO (SH-60F) - Program costs increased \$802.7 million (+22.9%) from \$3,500.7 million to \$4,303.4 million, due primarily to the loss of cost savings from a change in acquisition strategy from multiyear procurement to single year buys and other changes in estimating assumptions (\$+440.1 million); restoration of previously deleted funds for support requirements (\$+218.0 million); a schedule stretchout which extended program completion from FY 1998 to FY 2000 (\$+71.3 million); and various engineering changes (\$+31.4 million).

DDG 51 - Program costs increased \$16,311.3 million (+52.5%) from \$31,067.4 million to \$47,378.7 million, due primarily to the addition of 11 ships from 38 to 49 (\$+11,137.3 million); an increase resulting from the change from large lot to annual procurements and other revised estimates (\$+2,789.2 million); increased costs to incorporate combat system technology improvements (\$+1,081.3 million); and increased outfitting and post delivery requirements associated with the revised procurement schedule and increase in ship quantity (\$+617.4 million).

E-2C - Program costs decreased \$2,007.7 million (-22.0%) from \$9,110.9 million to \$7,103.2 million, due primarily to a quantity decrease of 30 aircraft from 177 to 147 (\$-1,671.7 million) and associated decrease in support requirements (\$-207.8 million); and engineering, schedule, and estimating adjustments also associated with the decrease in aircraft quantity (\$-184.2 million).

EA-6B - Program costs increased \$1,756.3 million (+22.2%) from \$7,926.5 million to \$9,682.8 million, due primarily to a revised contractor business base, repricing of contractor and government

furnished equipment, and other revised estimates (\$+1,788.4 million); a stretchout of program completion from FY 1998 to FY 2002 (\$+142.5 million); and the application of revised escalation rates (\$+111.1 million). These increases were partially offset by revised support requirements for remanufacture (\$-281.1 million) and a quantity decrease of 3 aircraft from 167 to 164 (-\$94.9 million).

F-14D - Program costs decreased \$17,947.6 million (-77.9%) from \$23,054.3 million to \$5,106.7 million, due primarily to a quantity decrease of 394 aircraft from 437 to 43 (\$-9,692.6 million) and associated estimating (\$-3,975.0 million) and schedule (\$+337.9 million) adjustments, reduction in support requirements (\$-3,009.2 million), and an economic adjustment due to program termination (\$-1,276.7 million).

F/A-18 - Program costs increased \$16,083.7 million (+40.7%) from \$39,547.9 million to \$55,631.6 million, due primarily to engineering increases for the F/A-18E/F variant (\$+9,319.9 million), the radar update program (\$+360 million), and the AN/AYK-14 mission computer upgrade (\$+66.7 million); a stretchout of program completion from FY 1997 to FY 2001 (\$+2,595.8 million); and an increase in support costs due to the procurement schedule rephasing and for the new configuration items (\$+3,071.0 million).

FDS (Fixed Distributed System) - Program costs decreased \$2,447.7 million (-31.2%) from \$7,852.4 million to \$5,404.7 million, due primarily to a quantity decrease of 5 systems from 12 to 7 (\$-2,410.2 million).

LAMPS MK III - Program costs increased \$1,886.7 million (+30.6%) from \$6,171.9 million to \$8,058.6 million, due primarily to a quantity increase of 56 aircraft from 204 to 260 aircraft (\$+1,167.1 million); loss of cost savings due to change from multiyear to single year buys (\$+53.4 million) and other revised estimates (\$+418.8 million); increased support and initial spares requirements for additional aircraft (\$+218.6 million); and incorporation of E-1 harness and solid shaft engineering changes (\$+57.8 million).

LCAC - Program costs decreased \$572.8 million (-20.0%) from \$2,860.1 million to \$2,287.3 million, due primarily to a quantity decrease of 23 landing craft from 107 to 84 (\$-589.7 million).

LHD 1 - Program costs decreased \$1,047.7 million (-17.2%) from \$6,085.9 million to \$5,038.2 million, due primarily to a quantity decrease of 1 ship from 6 to 5 (\$-999.2 million) and the application of revised escalation rates (\$-38.2 million).

LSD 41 Cargo Variant - Program costs decreased \$358.6 million (-21.2%) from \$1,695.1 million to \$1,336.5 million, due primarily to a quantity decrease of 1 ship from 6 to 5 (\$-324.7

million) and reduced support requirements associated with the quantity decrease (\$-37.5 million).

MK 48 ADCAP - Program costs increased \$2,608.2 million (+35.2%) from \$7,415.4 million to \$10,023.6 million, due primarily to a schedule stretchout which reduced the annual buys and extended program completion from FY 2000 to FY 2001 (\$+2,349.7 million), and revised outyear spares requirements (\$+182.4 million).

MK 50 TORPEDO - Program costs increased \$1,680.5 million (+23.1%) from \$7,291.2 million to \$8,971.7 million, due primarily to a schedule stretchout which reduced the annual buys and extended program completion from FY 1999 to FY 2007 (\$+1,593.7 million), and the application of revised escalation rates (\$+92.7 million).

NATO AAWS (Anti-Air Warfare System) - Program costs decreased \$195.7 million (-80.4%) from \$243.4 million to \$47.7 million, due to program termination.

ROTHR (Relocatable Over the Horizon Radar) - Program costs decreased \$842.6 million (-44.9%) from \$1,877.5 million to \$1,034.9 million, due primarily to a quantity decrease of 8 systems from 12 to 4 (\$-762.8 million) and associated decrease in support requirements (\$-138.8 million). These decreases were partially offset by revised cost estimates for O&M requirements and system storage (\$+124.5 million).

SSN-21 / AN/BSY-2 - Program costs increased \$14,645.1 million (+77.2%) from \$18,981.9 million to \$33,627.0 million, due primarily to a quantity increase of 3 hulls from 9 to 12 (\$+7,529.4 million), and a change in acquisition strategy which reduced submarine construction workload and stretched program completion from FY 1993 to FY 1999 (\$+6,548.4 million).

STD MSL 2 - Program costs increased \$1,001.6 million (+10.3%) from \$9,723.6 million to \$10,725.2 million, due to a schedule stretchout which reduced the annual buys and extended program completion from FY 1997 to FY 2002 (\$+1,152.1 million), increased support costs associated with program stretchout (\$+59.0 million), and the application of revised escalation rates (\$+38.6 million). These increases were partially offset by revised cost estimates (\$-248.1 million).

T45TS - Program costs increased \$747.2 million (+12.7%) from \$5,907.2 million to \$6,654.4 million, due primarily to the transfer of the program from the Douglas Aircraft in Long Beach, CA, to the McDonnell Douglas in St. Louis, MO (\$+421.5 million); the addition of cockpit upgrade and global positioning system costs (\$+192.4 million); a schedule stretchout which extends program completion from FY 1997 to FY 1999 (\$+197.3 million); and the application of revised escalation rates (\$+61.3 million). These increases were partially offset by a decrease

in integrated logistics support cost estimates (\$-\$131.1 million).

TOMAHAWK - Program costs increased \$1,166.1 million (+12.0%) from \$9,761.2 million to \$10,927.3 million, due primarily to a quantity increase of 200 missiles from 3704 to 3904 (\$+250.2 million); engineering increases to accommodate upgrade to Block III, the 402 engine, and the integrated strike planning system (\$+496.4 million); revised cost estimates (\$+255.6 million); revised initial spares and peculiar support equipment estimates (\$+97.0 million); and a procurement buy rephasing of 564 missiles from FY 1991-92 to FY 1993-95 (\$+55.2 million).

TRIDENT II SUB - Program costs decreased \$3,954.2 million (-21.7%) from \$18,230.6 million to \$14,276.4 million, due primarily to a quantity decrease of 3 subs from 13 to 10 (\$-3,773.3 million), estimating decreases associated with the quantity reduction (\$-437.9 million), the application of revised escalation rates (\$-88.4 million), and the deletion of outfitting and post delivery requirements for the deleted subs (\$-77.9 million). These decreases were partially offset by revised estimates for shipbuilding and government furnished equipment costs (\$+436.6 million).

V-22 - Program costs increased \$402.9 million (+15.3%) from \$2,639.5 million to \$3,042.4 million, due primarily to the appropriation of FY 1991 funds by the Congress.

Air Force:

AMRAAM (Advanced Medium Range Air-to-Air Missile) - Program costs decreased \$1,763.4 million (-11.9%) from \$14,875.8 million to \$13,112.4 million, due primarily to a reduction in quantity of 8,870 missiles from 24,320 to 15,450 (\$-3,904.3 million), including associated estimating adjustments of \$-1,988.9 million, schedule adjustments of \$-248.2 million, engineering adjustments of \$-77.3 million, and economic adjustments of \$+425.6 million. The quantity decrease was partially offset by a schedule adjustment to incorporate FY 1991 congressional direction and the FY 1992-93 President's budget (\$+1,587.8 million), revised cost estimates for increased contractor overhead rates due to declining defense business base, lower competition savings assumption due to reduced annual quantities, and learning curve changes to reflect actual experience (\$+316.8 million). Other increases included the application of revised escalation rates (\$+159.8 million) and the addition of Defense Business Operations Funds to the program (\$+96.0 million).

ATARS (Advanced Tactical Air Reconnaissance System) - Program costs increased \$618.9 million (+326.1%) from \$189.8 million to \$808.7 million, due primarily to engineering changes associated with the F-16 effort (\$+97.5 million) and the addition of procurement funding for 105 ATARS sensor suites, associated pods, and aircraft mechanization (\$+521.4 million). Although the initial ATARS SAR (December 1987) reflected procurement funding, it was deleted in the December 1988 SAR. The current SAR reflects procurement funding of \$521.4 million.

ATF (Advanced Tactical Fighter) - Program costs increased \$2,485.8 million (+17.3%) from \$14,351.6 million to \$16,837.4 million, due primarily to an increase in quantity of 2 aircraft from 9 to 11 for the full scale development (FSD) program (\$560.6 million), additional flight test hours (\$527.9 million), and the addition of 2 years to the FSD program, which delays start of production and reduces concurrency (\$+304.4 million). Additional increases included a higher estimate for avionics (\$+499.1 million), an increased estimate associated with revised estimating methodology (\$+398.1 million), increases in support associated with the quantity increase and revised estimating methodology (\$+147.2 million), and the application of revised escalation rates (\$+51.1 million).

C-17A - Program costs increased \$4,008.2 million (+12.8%) from \$31,266.2 million to \$35,274.4 million, due primarily to the increased estimate of recurring air vehicle cost (\$+2,241.8 million) and increases due to a revised schedule and multiyear procurement (MYP) acquisition strategy (\$+1,040.9 million). This latter increase includes a program stretchout (\$+412.2 million), estimating changes associated with a slower build-up rate (\$+784.3 million), support changes associated with the revised schedule (\$+199.3 million), and decreases in recurring airframe cost (\$-334.4 million) and initial spares (\$-20.9

million) associated with change from a 3-year MYP strategy to a 4-year MYP followed by a 2-year buyout. Also, there were increases for the addition of Defense Business Operations Funds to the program (\$+281.2 million), the application of revised escalation rates (\$+386.5 million), the addition of FY 1992 funding so the full scale development portion of the current contract with Douglas Aircraft Company is funded to ceiling (\$+79.0 million), the net increase due to rephasing peculiar support equipment, training, data, and initial spares requirements (\$+50.7 million), and an increase in MILCON requirements due to the revised schedule (\$+48.0 million).

DSP (Defense Support Program) - Program costs increased \$1,596.1 million (+19.2%) from \$8,314.1 million to \$9,910.2 million, due primarily to an increase in quantity of 1 satellite from 25 to 26 (\$+1,019.9 million), including associated estimating adjustments of \$+501.2 million. Other cost changes included increased estimates for several development efforts (\$+455.6 million, including limited DSP satellite upgrades of \$+298.9 million and continued ground system research and development of \$+144.9 million). Also, there were increases due to the application of revised escalation rates (\$+31.5 million) and a revised schedule for buying satellites 23-24, which changed from a buy of 2 in FY 1993 and 1 in FY 1994 to a buy of 1 in FY 1993, 1 in FY 1994, and 1 in FY 1996 (\$+44.3 million).

F-16 - Program costs decreased \$15,475.3 million (-29.2%) from \$53,041.7 million to \$37,566.4 million, due primarily to a reduction in quantity of 810 aircraft from 2,999 to 2,189 (\$-18,008.1 million), including associated schedule adjustments of \$-1,022.2 million, engineering adjustments of \$-7,560.8 million, and estimating adjustments of \$+2,179.0 million, plus associated peculiar support changes of \$-1,596.9 million and initial spares changes of \$-1,099.9 million. The cost decreases were partially offset by a revised procurement schedule, in which the production rate decreases from 12.5 aircraft per month to 9 aircraft per month in FY 1991 and then decreases to 4 aircraft per month in FY 1992-93 (\$+1,199.6 million), the initiation of full scale development in FY 1994 for a follow-on multirole fighter program (\$+625.0 million), the application of revised escalation rates (\$+417.5 million), increases associated with restructure of the FY 1990-93 multiyear contract from 600 to 330 aircraft (\$+415.0 million), and increases associated with the development of F-16 Core (modular mission computer, digital terrain system, upgraded programmable display generator) upgrades (\$+206.8 million).

MARK XV IFF (Identification Friend From Foe) - Program costs increased \$392.4 million (+130.6%) from \$300.4 million to \$692.8 million, due to partial restoration of full scale development funding (\$+188.6 million) and partial restoration of Navy procurement funding (\$+203.8 million).

OTH-B (Over-The-Horizon Backscatter) Radar - Program costs decreased \$538.9 million (-27.1%) from \$1,990.4 million to \$1,451.5 million, due primarily to the reduction in quantity of 3 segments (deletion of Alaskan Radar System (ARS) segment one and two Central Radar System (CRS) segments) from 9 to 6 (\$-698.4 million), including associated estimating adjustments of \$-199.1 million, schedule adjustments of \$-15.9 million, and economic adjustments of \$-26.5 million. There were also RDT&E decreases due to program termination (\$-80.3 million), procurement decreases due to reprogramming actions (\$-38.3 million) and initial spares requirements (\$-15.8 million), and MILCON decreases associated with the deletion of all CRS projects (\$-29.2 million). The decreases were partially offset by funds subject to reprogramming due to ARS deletion (\$+332.8 million) and the application of revised escalation rates (\$+7.9 million).

PEACEKEEPER - Program costs decreased \$3,362.8 million (-17.2%) from \$19,594.2 million to \$16,231.4 million, due primarily to a reduction in quantity of 59 production missiles from 173 to 114 (\$-3,181.5 million) and associated support changes (\$-62.4 million). Also, there were estimating decreases for the inertial measurement unit as a result of contract negotiations (\$-93.7 million) and deletion of 3 reentry systems (\$-50.0 million). These decreases were partially offset by the application of revised escalation rates (\$+99.7 million).

PEACEKEEPER RAIL GARRISON - Program costs decreased \$4,577.8 million (-64.2%) from \$7,128.3 million to \$2,550.5 million, due primarily to termination of the production program, including a reduction in quantity (\$-3,707.5 million) and associated support (\$-332.3 million), and the termination of the MILCON program (\$-524.0 million). The Air Force notes that the program has sufficient funding to continue a development effort whose primary objective is the demonstration of missile launch capability from a train and the conduct of mobility exercises to evaluate train operational and physical security concepts. The program will retain sufficient design documentation and logistics analysis for resumption of full-scale development.

TACIT RAINBOW - Program costs decreased \$3,757.7 million (-91.1%) from \$4,123.8 million to \$366.1 million, due primarily to termination of the program. Specific decreases included a reduction in quantity to zero (\$-3,563.2 million) and associated support (\$-285.6 million). These decreases were partially offset by the application of revised escalation rates (\$+71.3 million) and an increase in flight test cost (\$+26.6 million).

TITAN IV - Program costs increased \$1,328.4 million (+7.8%) from \$17,009.1 million to \$18,337.5 million, due primarily to the transfer of launch operations costs, which previously were not reported in the SAR, from the operating and maintenance to the procurement appropriation (\$+1,943.9 million). Other increases included revised production schedule (\$+623.8 million), addition

of RDT&E funding for FY 1998-2000 (\$+196.7 million), application of revised escalation rates (\$+183.1 million), and additional aerospace ground equipment (AGE) required for LC-40 and Centaur Processing Facility (\$+171.6 million). These increases were partially offset by reduced program scope, a reduction of 10 space vehicles (\$-1,088.5 million), deletion of requirement for SLC-6 AGE (\$-314.0 million) and for SLC-6 communications equipment and other related costs (\$-156.6 million), and major restructuring in SLC-6 development effort (\$-180.0 million).

DoD:

SDS-GPALS (Strategic Defense System - Global Protection Against Limited Strikes) - Program costs increased \$3,358.2 million (+12.2%) from \$27,632.4 million to \$30,990.4 million, due to the restructuring of the initial phase of the SDS program to reflect the GPALS system and the addition of multiple tactical/transportable systems for the Theater Missile Defense requirements of the new GPALS mission. The GPALS mission focuses on protection against limited ballistic missile strikes rather than deterrence of large scale attacks.

WAM (WWMCCS ADP Modernization Program) - Program costs decreased \$706.2 million (-29.8%) from \$2368.8 million to \$1,662.6 million, due to the restructuring of the program.

Program Acquisition Cost Summary In Millions Of Dollars

As Of Date: December 31, 1990

Weapon System	Base Year	Type of Baseline	Baseline Estimate			Changes To Date			Current Estimate			Percent Cost Change To Date Adj For Qty		
			Cost		Quantity	Cost		Quantity	Cost		Quantity	Base Year \$	Current Year \$	
			Base Year \$	Current Year \$		Base Year \$	Current Year \$		Base Year \$	Current Year \$				
ARMY:														
AAWS-M	90	DE	3398.8	3936.5	70631.0	64.1	699.6		3462.9	4636.1	70631.0	1.9	17.8	
ADDS	83	PE	1981.5	3038.2	88.0	-376.9	-184.6	20.0	1604.6	2853.6	108.0	2.0	20.2	
AH-64 (APACHE)	72	DE	1892.4	3789.8	536.0	1995.5	7903.5	271.0	3887.9	11693.3	807.0	60.3	124.5	
AHIP KIOWA WARRIOR	82	DE	1667.9	2531.6	578.0	1.5	-185.4	-335.0	1669.4	2346.2	243.0	64.6	49.2	
ASM	90	PE	5093.8	6191.1	55.0	1909.8	2959.0	4.0	7003.6	9150.1	59.0	37.5	47.8	
ATACMS	91	DE/PdE	1321.2	1222.3	1015.0	185.4	285.9	542.0	1506.6	1508.2	1557.0	-17.0	-12.8	
AVENGER (LOS-R)	89	PdE	1103.1	1266.7	1207.0	549.1	901.3	572.0	1652.2	2168.0	1779.0	14.1	21.4	
BRADLEY FVS	72	DE	325.6	436.9	1190.0	2964.0	9582.6	5534.0	3289.6	10019.5	6724.0	171.8	222.4	
CH-47D (CHINOOK)	75	DE	882.5	1562.8	361.0	512.6	1772.9	111.0	1395.1	3335.7	472.0	25.8	44.3	
FAAD C2I	87	DE	1640.6	1863.7		440.9	1402.3	201.0	2081.5	3266.0	201.0	18.2	63.5	
FAADS LOS-F-H	89	DE	5051.3	6025.7	562.0	-661.5	400.3	-184.0	4389.8	6426.0	378.0	6.2	45.3	
FAADS NLOS (FOG-M)	89	DE	2519.7	2920.4	403.0	-2099.2	-2486.1	-403.0	420.5	434.3		-46.1	-35.8	
FHTV (PLS)	91	DE	1846.9	1996.9	4333.0	-565.5	-506.4	-871.0	1281.4	1490.5	3462.0	-2.4	12.7	
FMTV	89	DE	6625.3	8568.6	118995.0	967.0	6859.8	-6673.0	7592.3	15428.4	112322.0	-2.9	26.4	
HELLFIRE	75	DE	488.6	703.4	24600.0	498.7	1627.3	19451.0	987.3	2330.7	44051.0	48.1	88.7	
JGL TACIT RAINBOW	89	DE	3195.5	4732.4	-	-3112.1	-4641.3	-	83.4	91.1	-	-78.0	-79.4	
LH	84	PE	1756.2	2133.0		1562.0	2496.3		3318.2	4629.3		88.9	117.0	
LONGBOW APACHE	91	PE/DE	2180.2	2667.1	227.0	446.1	503.6		2626.3	3170.7	227.0	20.5	18.9	
M1 ABRAMS TANK	89	DE	6732.5	4779.4	3312.0	16302.8	15770.0	4477.0	23035.3	20549.4	7789.0	48.6	60.0	
MLRS	78	PE	2232.3	3454.0	183.0	846.5	3093.6	660.0	3078.8	6547.6	843.0	3.9	27.8	
MLRS-TGW	84	PE	190.7	211.2		44.0	65.4		234.7	276.6		23.1	31.0	
MSE	86	PdE	4428.5	5134.0	48.0	-678.6	-577.2		3749.9	4556.8	48.0	-16.6	-12.7	
PATRIOT	72	DE	4267.4	5240.5	234.0	445.9	6558.7	-134.0	4713.3	11799.2	100.0	49.7	171.3	
SADARM	89	DE	1605.7	1786.8	10288.0	1586.9	2864.7	52612.0	3192.6	4651.5	62900.0	2.1	46.1	
SINCGARS	84	PdE	4167.7	5611.7	292853.0	-1851.6	-2398.4	-142853.0	2316.1	3213.3	150000.0	-11.3	8.8	
STINGER RMP	83	PdE	2267.6	2961.2	36034.0	-1131.8	-1476.8	-7226.0	1135.8	1484.4	28808.0	-42.9	-44.1	
TOW 2	84	PdE	2302.1	2623.8	141337.0	545.9	764.6	9288.0	2848.0	3388.4	150625.0	12.3	14.4	
UH-60A/L (BLACKHAWK)	71	DE	1942.0	2307.3	1107.0	913.8	6418.8	340.0	2855.8	8726.1	1447.0	30.7	173.6	
Subtotal			73107.6	89697.0		22305.3	60474.0		95412.9	150171.0		21.4	53.2	
NAVY:														
AN/BSY-1	84	DE	2972.4	3827.6		-1581.9	-2256.5		1390.5	1571.1		-52.3	-58.3	
AN/SQQ-89	85	PdE	3899.0	4147.6	120.0	154.1	541.0	-28.0	4053.1	4688.6	92.0	24.9	39.4	
AN/SQY-1	85	PE	764.8	952.7		185.4	377.9		950.2	1330.6		24.2	39.7	
AOE 6	86	PdE	2332.5	2834.8	7.0	-555.2	-669.8	-3.0	1777.3	2165.0	4.0	31.3	48.2	
ASPJ	84	DE	227.7	236.4		354.6	373.6		582.3	610.0		155.7	158.0	
AV-8B	79	DE	5740.6	9125.5	342.0	-967.5	-832.9	-60.0	4773.1	8292.6	282.0	-7.5	8.4	
C/MH-53E	73	DE	464.4	578.4	74.0	1376.4	4530.7	160.0	1840.8	5109.1	234.0	25.8	47.4	
CG 47 AEGIS	78	DE	9013.7	14083.5	16.0	4986.0	9232.4	11.0	13999.7	23315.9	27.0	-3.5	-9.7	
CV HELO (SH-60F)	88	PdE	2691.8	3173.8	175.0	597.1	1129.6		3288.9	4303.4	175.0	22.2	35.6	
CVN-72/73	82	PdE	5265.5	7418.9	2.0	-56.1	-1248.4		5209.4	6170.5	2.0	-1.1	-16.8	
CVN-74/75	88	PdE	5911.0	6966.0	2.0	-18.3	-451.6		5892.7	6514.4	2.0	-0.3	-6.5	
DDG 51	87	PdE	16953.7	20117.5	23.0	16900.0	27261.2	26.0	33853.7	47378.7	49.0	1.7	8.6	
E-2C	85	PdE	5398.0	5921.5	127.0	989.1	1181.7	20.0	6387.1	7103.2	147.0	8.7	12.5	
E-6A (TACAMO)	82	DE	1584.7	2251.7	15.0	-32.0	-179.4	1.0	1552.7	2072.3	16.0	-4.5	-10.4	
EA-6B	84	PdE	2239.6	2747.8	38.0	4482.2	6935.0	126.0	6721.8	9682.8	164.0	29.9	42.0	
F-14D	89	PdE	21543.5	25021.9	527.0	-16694.5	-19915.2	-484.0	4849.0	5106.7	43.0	-54.3	-56.0	
F/A-18	75	DE	8016.6	12875.3	811.0	10424.6	42756.3	357.0	18441.2	55631.6	1168.0	88.5	262.5	
FDS	88	DE	5190.5	7847.3	12.0	-1628.2	-2442.6	-5.0	3562.3	5404.7	7.0	-3.6	-0.6	
HARM	78	DE	1681.8	2409.9	13853.0	1696.1	4842.8	8816.0	3377.9	7252.7	22669.0	41.1	77.4	
HARPOON	70	DE	795.0	1031.8	2922.0	734.3	2713.5	776.0	1529.3	3745.3	3698.0	101.6	318.8	
LAMPS MK III	76	DE	2396.7	3907.6	209.0	990.9	4151.0	56.0	3387.6	8058.6	265.0	31.7	66.3	
LCAC	82	PdE	1103.3	1610.7	60.0	718.0	676.6	24.0	1821.3	2287.3	84.0	18.0	-0.4	
LHD 1	82	DE	2931.8	4451.0	3.0	1133.8	587.2	2.0	4065.6	5038.2	5.0	-15.3	-32.4	
LSD 41	81	PdE	3223.9	4849.9	12.0	-1174.6	-2401.6	-4.0	2049.3	2448.3	8.0	-10.7	-27.4	
LSD 41 CV	88	PdE	1356.9	1695.1	6.0	-255.0	-358.6	-1.0	1101.9	1336.5	5.0	-1.5	-2.5	
MCM 1	82	PdE	1466.3	1737.4	14.0	54.6	66.3		1520.9	1803.7	14.0	3.7	3.8	
MK 48 ADCAP	89	PdE	6347.7	6800.3	-	1078.2	3223.3	-	7425.9	10023.6	-	17.0	47.4	
MK 50 TORPEDO	89	DE	5548.3	6653.7	-	1217.6	2318.0	-	6765.9	8971.7	-	21.0	33.9	
NATO AAWS	88	PE	83.2	94.1		-38.0	-46.4		45.2	47.7		-45.7	-49.3	
PHALANX CIWS	84	PdE	2176.2	2481.7	620.0	741.8	505.6	57.0	2918.0	2987.3	677.0	25.1	13.2	
PHOENIX (AIM-54C)	77	DE	372.0	464.3	735.0	1098.7	2609.7	1793.0	1470.7	3074.0	2528.0	-12.7	-33.7	
ROTHR	89	PdE	1722.5	1921.7	12.0	-812.8	-886.8	-8.0	909.7	1034.9	4.0	-22.3	-10.7	

Program Acquisition Cost Summary In Millions Of Dollars

As Of Date: December 31, 1990

Weapon System	Base Year	Type of Baseline	Baseline Estimate			Changes To Date			Current Estimate			Percent Cost Change To Date Adj For Qty		
			Cost		Quantity	Cost		Quantity	Cost		Quantity	Base Year \$	Current Year \$	
			Base Year \$	Current Year \$		Base Year \$	Current Year \$		Base Year \$	Current Year \$				
NAVY:														
SLAT	89	DE	372.4	367.8	59.0	681.8	1004.3	386.0	1054.2	1372.1	445.0	8.7	12.1	
SSN 21 / AN/BSY-2	90	PdE	20119.9	21739.1	12.0	7110.0	11887.9		27229.9	33627.0	12.0	24.9	35.2	
SSN 688	71	DE/PdE	5126.8	5747.5	32.0	6529.0	22294.9	30.0	11655.8	28042.4	62.0	8.4		
STD MSL 2	84	PdE	6571.5	8052.8	10778.0	1970.9	2672.4	3899.0	8542.4	10725.2	14677.0	1.5	2.6	
T-AO FLEET OILER	84	PdE	2607.7	3190.7	17.0	-132.0	-416.5	1.0	2475.7	2774.2	18.0	-10.8	-17.6	
T45TS	84	PE	3754.6	5462.0	304.0	800.0	1192.4	-2.0	4554.6	6654.4	302.0	22.1	22.4	
TOMAHAWK	77	DE	1806.4	2422.9	1163.0	3371.7	8504.4	2741.0	5178.1	10927.3	3904.0	18.3	10.6	
TRIDENT II MSL	83	PdE	26556.3	35518.5	845.0	-1071.2	1788.4	-38.0	25485.1	37306.9	807.0	-2.0	9.8	
TRIDENT II SUB	83	PdE	10548.9	14085.2	7.0	1744.4	191.2	3.0	12293.3	14276.4	10.0	-17.6	-29.9	
UHF FOLLOW-ON	88	PdE	1479.1	1716.1	10.0	-87.1	8.5	-1.0	1392.0	1724.6	9.0	0.2	7.6	
V-22	86	DE	23073.0	29662.3	913.0	-20292.5	-26619.9	-913.0	2780.5	3042.4		-64.2	-67.9	
Subtotal			233432.2	298202.3		26724.4	106831.6		260156.6	405033.9		3.8	14.9	
USAF:														
ACM	83	PdE	5197.5	6665.4	1461.0	-326.8	-152.4	-461.0	4870.7	6513.0	1000.0	7.7	16.4	
AMRAAM	78	DE	4761.8	11591.6	24335.0	691.3	1520.8	-8885.0	5453.1	13112.4	15450.0	34.0	37.3	
ATARS	85	DE	974.8	1292.5	560.0	-402.2	-483.8	-455.0	572.6	808.7	105.0	13.5	10.4	
ATF	85	PE	11785.5	15294.0		536.8	1543.4		12322.3	16837.4		4.5	9.4	
AWACS RSIP	89	DE	571.8	689.9	34.0	-7.7	4.9		564.1	694.8	34.0	-1.3	0.7	
B-1B	81	DE	20500.0	29537.6	100.0	-83.2	-1763.2		20416.8	27774.4	100.0	-0.4	-6.0	
C-17A	81	PdE	22395.3	41811.9	210.0	-3633.4	-6537.5	-90.0	18761.9	35274.4	120.0	6.5	14.6	
CMU	89	DE	1509.3	1581.0	1.0	21.9	34.7		1531.2	1615.7	1.0	1.5	2.2	
DMSP	75	PdE	718.7	1879.0	9.0	-5.6	-33.8	1.0	713.1	1845.2	10.0	-8.6	-10.8	
DSCS III	77	DE	631.1	893.6	14.0	364.3	965.0		995.4	1858.6	14.0	69.2	141.7	
DSP	78	DE	4424.6	5547.6	19.0	1819.8	4362.6	7.0	6244.4	9910.2	26.0	10.8	18.9	
F-15	70	DE	5991.0	7355.2	729.0	5513.7	22564.3	345.0	11504.7	29919.5	1074.0	30.6	53.2	
F-16	75	DE	4376.8	6054.5	650.0	11338.6	31511.9	1539.0	15715.4	37566.4	2189.0	55.9	87.7	
IR MAVERICK	75	DE	995.1	1592.9	31078.0	181.2	1244.2	-10819.0	1176.3	2837.1	20259.0	70.7	368.9	
IUS	75	DE	963.0	2012.3	18.0	-98.3	-218.4	-6.0	864.7	1793.9	12.0	9.6	15.7	
JSTARS	83	DE	5660.4	8033.5	133.0	-127.2	552.7	-24.0	5533.2	8586.2	109.0	3.9	14.9	
JTIDS	89	DE	309.0	382.5	55.0	1058.2	1570.0	-55.0	1367.2	1952.5		67.1	73.8	
KC-135R	81	PdE	5229.1	7829.2	334.0	1594.4	4225.9	218.0	6823.5	12055.1	552.0	-8.8	3.2	
LANTIRN	80	DE	2102.1	3823.2	1316.0	170.3	-0.5	-249.0	2272.4	3822.7	1067.0	15.9	7.4	
MARK XV IFF	82	DE	2783.9	4391.6	15747.0	-2295.5	-3698.8	-15747.0	488.4	692.8		-82.5	-84.2	
NAVSTAR GPS	79	DE	1599.4	2306.7	40.0	807.9	2105.2	25.0	2407.3	4411.9	65.0	19.8	36.4	
NAVSTAR USER EQMT	79	DE	2554.9	4875.8	27339.0	152.0	992.4	28576.0	2706.9	5868.2	55915.0	15.2	28.9	
OTH-B	82	DE	1145.3	1419.4	8.0	20.2	32.1	-2.0	1165.5	1451.5	6.0	25.5	31.8	
PEACEKEEPER	82	DE	16634.9	21680.2	223.0	-3672.3	-5448.8	-109.0	12962.6	16231.4	114.0	-2.9	2.3	
RAIL GARRISON	82	DE	4678.2	6826.8	50.0	-2815.2	-4276.3	-50.0	1863.0	2550.5		-25.4	-18.2	
SFW	79	DE	1219.8	2405.8	14000.0	241.6	1105.7	2726.0	1461.4	3511.5	16726.0	5.2	37.8	
SMALL ICBM	84	DE	33711.0	44727.9	623.0	-27927.3	-37293.7	-623.0	5783.7	7434.2		-76.8	-77.2	
SRAM II	83	DE	1720.5	2393.4	1633.0	-198.3	-158.8	-933.0	1522.2	2234.6	700.0	7.8	19.6	
TACIT RAINBOW	85	DE	2786.5	3654.0	-	-2479.2	-3287.9	-	307.3	366.1	-	492.1	-159.7	
TITAN IV	85	DE/PdE	2150.5	2529.2	10.0	10952.1	15808.3	55.0	13102.6	18337.5	65.0	52.1	59.1	
Subtotal			170081.8	251078.2		-8607.9	26790.2		161473.9	277868.4		-1.8	10.8	
DOD:														
SDS (GPALS)	88	PE	20877.7	27632.4		1236.2	3358.0		22113.9	30990.4		5.9	12.2	
WAM/WIS	90	DE	2249.8	2814.2	36.0	-844.8	-1151.6	-35.0	1405.0	1662.6	1.0	-37.6	-40.9	
Subtotal			23127.5	30446.6		391.4	2206.4		23518.9	32653.0		1.7	7.2	
Grand Total			499749.1	669424.1		40813.2	196302.2		540562.3	865726.3		4.6	18.3	

Distribution of Cost Changes (Base-Year Constant Dollars)
As Of Date: December 31, 1990

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
NAVY:															
SLAT	89		597.5		33.2		23.2	-60.3	-22.8			-14.4	50.7	-74.7	681.8
SSN 21 / AN/BSY-2	90	5214.3	1676.8	4605.5	4353.8		127.8	481.2	1204.2			-29.4	-252.6	10271.6	7110.0
SSN 688	71		5628.0		14.6		523.6	204.6	186.4			-7.0	176.4	197.6	6529.0
STD MSL 2	84		1848.7	590.5	415.6		469.4	-165.2	-908.3			33.7	145.5	459.0	1970.9
T-AO FLEET OILER	84		166.4		-13.9		0.7	11.0	-311.0			10.0	25.8	21.0	-132.0
T45TS	84		-24.7	32.4	-400.8	123.5	583.4	281.0	583.8			-106.9	58.3	330.0	800.0
TOMAHAWK	77	82.2	2572.0	5.8	-162.7	166.6	1013.9	94.9	-778.4			32.1	726.9	381.6	3371.7
TRIDENT II MSL	83	-1272.6	-541.6					378.1	-652.3			280.6	122.7	-613.9	-1071.2
TRIDENT II SUB	83	-2582.1	4367.2					21.3	-2566.9			-55.9	-55.9	-2616.7	1744.4
UHF FOLLOW-ON	88	-90.5	-90.5	-12.1	-9.2			60.8	12.6					-41.8	-87.1
V-22	86	389.2	-15310.5					-64.3	-6.0				-4976.0	324.9	-20292.5
Subtotal		-5386.0	17201.6	8152.6	10186.3	2977.2	8960.1	2197.1	-4479.5	896.1	-1015.0	-2635.4	-4129.1	6201.6	26724.4
USAF:															
ACM	83	-676.2	-676.2	-5.2	41.6	-10.2	74.7	523.8	484.6			-77.2	-251.5	-245.0	-326.8
AMRAAM	78	-673.8	-692.5	249.6	91.4	-19.0	142.7	-357.8	1445.6			-11.2	-295.9	-812.2	691.3
ATARS	85	340.8	-470.2			72.2	90.0	75.0	71.5		-11.9	-75.2	-81.6	412.8	-402.2
ATF	85	375.0	6.0					-82.5	1002.9			98.2	316.8	1476.1	536.8
AWACS RSIP	89			-1.0	-1.0	1.4	1.4	3.2	3.2			-11.3	-11.3	-7.7	-7.7
B-1B	81				-13.2	7.1	294.9	154.1	19.1			-27.4	-384.0	133.8	-83.2
C-17A	81		-4778.3			10.7	10.7	1390.9	2046.9			68.2	-912.7	1469.8	-3633.4
CMU	89							5.6	-5.7			27.6	27.6	33.2	21.9
DMSP	75		61.2				-30.0	10.2	-52.7			6.9	15.9	17.1	-5.6
DSCS III	77	-64.1	-42.8		52.6	9.0	260.3	-4.7	55.8		38.4			-59.8	364.3
DSP	78	177.7	1211.5					374.6	281.3					580.8	1819.8
F-15	70		2819.8		221.6	-12.4	815.5	-1.7	17.8		619.1	-35.2	1019.9	-49.3	5513.7
F-16	75	-2346.8	5706.3	-165.0	200.7	-2030.7	3459.3	874.0	-908.6		40.1	-807.2	2840.8	-4475.7	11338.6
IR MAVERICK	75	14.5	-305.8		264.3	3.9	12.0	-15.9	169.7			-2.2	41.0	0.3	181.2
IUS	75	4.1	-173.7			0.2	41.8	24.6	35.1			0.1	-1.5	29.0	-98.3
JSTARS	83	-334.0	-334.0	56.9	56.9	-162.1	-162.1	707.9	415.7			-81.4	-103.7	187.3	-127.2
JTIDS	89		509.1		-1.5		243.8	71.2	268.2				38.6	71.2	1058.2
KC-135R	81	-930.7	2248.8					458.1	-888.0			115.9	233.6	-356.7	1594.4
LANTIRN	80		-140.8		27.8		-30.1	-22.7	210.7			18.3	102.7	-4.4	170.3
MARK XV IFF	82							-0.2	-1584.7	126.6	-339.7	112.1	-371.1	238.5	-2295.5
NAVSTAR GPS	79	-14.1	410.5	2.5	7.0		388.4	22.0	-213.1			-5.5	215.1	4.9	807.9
NAVSTAR USER EQMT	79	-210.0	-205.4	12.5	51.8		-24.8	-18.1	342.9			124.5	-12.5	-91.1	152.0
OTH-B	82	-415.6	-216.5		6.1	-92.0	37.5	156.2	212.7			-10.9	-19.6	-362.3	20.2
PEACEKEEPER	82	-1773.3	-3286.6		17.6	-31.9	-390.9	-117.7	1387.0			-28.7	-1399.4	-1951.6	-3672.3
RAIL GARRISON	82	-2179.8	-2179.8	116.0	116.0	-149.2	45.6	-5.2	-194.9			-561.2	-602.1	-2779.4	-2815.2
SFW	79	-175.4	168.8	96.7	96.7			-119.6	-23.6			-4.8	-0.3	-203.1	241.6
SMALL ICBM	84		-8744.4			175.1	175.1	-116.8	15.5		-6210.7		-13162.8	58.3	-27927.3
SRAM II	83	-308.7	-308.7			-4.9	114.2	207.9	17.7			45.2	-21.5	-60.5	-198.3
TACIT RAINBOW	85	-2234.7	-2734.6		28.3		128.0	15.7	443.3			-200.0	-344.2	-2419.0	-2479.2
TITAN IV	85	-867.0	6465.0				-1332.3	-9.4	3676.4			1358.7	2143.0	482.3	10952.1
Subtotal		-12292.1	-5683.3	363.0	1264.7	-2232.8	4283.2	5288.1	8045.9	126.6	-5864.7	64.8	-10653.7	-8682.4	-8607.9
DOD:															
SDS (GPALS)	88							1236.2	1236.2					1236.2	1236.2
WAM/WIS	90				19.5		25.7	348.7	-65.3	-822.8	-822.8		-1.9	-474.1	-844.8
Subtotal					19.5		25.7	1584.9	1170.9	-822.8	-822.8		-1.9	762.1	391.4
Grand Total		-28343.4	17035.9	8792.8	13211.7	946.2	16428.1	10695.8	16122.1	-282.0	-8125.5	-2098.6	-13859.1	-10289.2	40813.2

Distribution of Cost Changes (Base-Year Constant Dollars)

As Of Date: December 31, 1990

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:																
AAWS-M	90						41.3	-116.1	-184.8			198.5	207.6	82.4	64.1	
ADDS	83	-486.1	-408.2		26.0	7.7	-264.2	-56.2	368.0			62.2	-98.5	-472.4	-376.9	
AH-64 (APACHE)	72		532.7		140.8		90.0	16.0	900.5	-80.9	-80.9	14.1	412.4	-50.8	1995.5	
AHIP KIOWA WARRIOR	82		-653.5	2.0	75.0	12.1	421.7	-145.2	165.5			126.8	-7.2	-4.3	1.5	
ASM	90							1909.8	1909.8					1909.8	1909.8	
ATACMS	91	-380.4	493.0		-0.1			-180.1	-312.6			5.1	5.1	-555.4	185.4	
AVENGER (LOS-R)	89	344.7	344.7					145.8	73.4			94.8	131.0	585.3	549.1	
BRADLEY FVS	72	-416.4	884.5	14.7	92.9	-112.3	644.2	-107.3	906.3		11.0	6.2	425.1	-615.1	2964.0	
CH-47D (CHINOOK)	75		226.3		41.4			6.8	187.5			14.0	57.4	20.8	512.6	
FAAD C2I	87	120.6	120.6	65.4	31.1			171.5	289.2					357.5	440.9	
FAADS LOS-F-H	89	-917.5	-917.5	204.0	263.3			-14.7	-22.1			29.4	14.8	-698.8	-661.5	
FAADS NLOS (FOG-M)	89	39.0	-1739.0	-45.4	-45.4			-1.6	-1.6	-123.6	-123.6	-39.0	-189.6	-170.6	-2099.2	
FHTV (PLS)	91	21.0	-534.3					2.1	43.0			-37.0	-74.2	-13.9	-565.5	
FMTV	89	-174.6	1191.5	-347.9	-326.5			-24.1	-20.9			-104.9	122.9	-651.5	967.0	
HELLFIRE	75	-77.8	178.2	-3.5	32.2		232.6	-18.9	57.7			-5.7	-2.0	-105.9	498.7	
JGL TACIT RAINBOW	89	-2816.1	-2816.1							-277.4	-277.4	-18.6	-18.6	-3112.1	-3112.1	
LH	84				145.2	301.3	301.3	37.0	1115.5					338.3	1562.0	
LONGBOW APACHE	91			204.5	204.5	13.9	13.9	201.7	201.7			26.0	26.0	446.1	446.1	
M1 ABRAMS TANK	89		8769.5		103.3	-37.9	1447.3	-130.1	6086.0			233.2	-103.3	65.2	16302.8	
MLRS	78	-200.9	731.6		-27.5	44.5	44.5	167.6	30.1		10.0	52.2	57.8	63.4	846.5	
MLRS-TGW	84				-5.6		1.3	-8.6	48.3					-8.6	44.0	
MSE	86		69.3					218.2	-731.2			-16.7	-16.7	201.5	-678.6	
PATRIOT	72	-19.5	-1119.7		674.7	-290.2		-108.8	737.8		24.5	-67.9	418.8	-196.2	445.9	
SADARM	89	-1911.8	1521.6	183.4	188.5			-108.3	-128.0			4.8	4.8	-1831.9	1586.9	
SINCGARS	84	-2321.2	-1557.3		43.9		13.8	396.3	-64.0			81.3	-288.0	-1843.6	-1851.6	
STINGER RMP	83	-740.0	-277.5		148.8		3.7	45.4	-957.8			-44.2	-49.0	-738.8	-1131.8	
TOW 2	84	-148.6	234.8		33.8	-27.5	402.7	-12.8	-157.3			52.9	31.9	-136.0	545.9	
UH-60A/L (BLACKHAWK)	71	-579.7	242.4		-99.1		55.2	-659.7	844.8		13.4	-195.5	-142.9	-1434.9	913.8	
Subtotal		-10665.3	5517.6	277.2	1741.2	201.8	3159.1	1625.7	11384.8	-481.9	-423.0	472.0	925.6	-8570.5	22305.3	
NAVY:																
AN/BSY-1	84	-82.1	-57.0	-12.4	13.2	-37.4	29.6	32.2	-22.1	1051.5	-866.5	-988.7	-679.1	-36.9	-1581.9	
AN/SQQ-89	85	-137.3	-653.2	212.1	382.3		220.4	269.9	276.6			-68.4	-72.0	276.3	154.1	
AN/SQY-1	85			142.6	142.6	-350.5	-350.5	109.1	393.3					-98.8	185.4	
AOE 6	86	-979.0	-979.0	99.2	100.1			170.1	348.7			-25.0	-25.0	-734.7	-555.2	
ASPJ	84				21.8		40.8	55.3	292.0					55.3	354.6	
AV-8B	79		-580.5		714.2	9.7	355.9	73.1	-1468.0			-116.2	10.9	-33.4	-967.5	
C/MH-53E	73	-596.7	999.3	-32.9	-15.6	-236.4	-46.5	293.9	224.7		2.4	-60.4	212.1	-632.5	1376.4	
CG 47 AEGIS	78		5491.4		-2.6		571.9	-7.8	-1270.9			-14.7	196.2	-22.5	4986.0	
CV HELO (SH-60F)	88			21.6	15.0		22.4	127.8	349.9			149.3	104.4	519.4	597.1	
CVN-72/73	82							-83.8	-46.0			1.6	-10.1	-82.2	-56.1	
CVN-74/75	88				-124.1	176.2	176.2	-201.2				15.8	130.8	192.0	-18.3	
DDG 51	87	6909.4	16337.2			736.2	736.2	1868.6	-824.6			409.9	651.2	9924.1	16900.0	
E-2C	85	-1056.5	478.8	-32.6	97.4	-11.5	84.1	-77.0	166.6			-118.0	162.2	-1295.6	989.1	
E-6A (TACAMO)	82		41.1		-5.3		-9.5	16.9	59.0			33.2	-117.3	50.1	-32.0	
EA-6B	84	-61.5	2933.8	5.8	248.0		0.4	1102.3	458.8			-228.8	841.2	817.8	4482.2	
F-14D	89	-7964.1	-10930.5	578.2	-99.2	-292.0	1.3	-3514.4	-1970.7			-2480.4	-3695.4	-13672.7	-16694.5	
F/A-18	75		1768.1	325.5	1195.2	2694.9	3584.2	278.7	2166.9		4.5	607.8	1705.7	3906.9	10424.6	
FDS	88	-1494.0	-1494.0					-254.8	-246.4			112.2	112.2	-1636.6	-1628.2	
HARM	78	-3.4	712.3	-71.3	544.9	-0.1	155.9	76.2	217.9			12.2	65.1	13.6	1696.1	
HARPOON	70	-10.6	-36.5	12.1	89.7	-0.5	55.5	3.0	484.7			3.9	140.9	7.9	734.3	
LAMPS MK III	76	294.6	174.8	-27.1	181.6	21.5	148.1	233.3	459.4			54.4	27.0	576.7	990.9	
LCAC	82	-383.3	440.2		-1.2		2.2	20.8	215.9			-3.5	60.9	-366.0	718.0	
LHD 1	82	-658.6	1870.3	212.7	55.5	-52.1	-5.6	-137.6	-830.7			-27.9	44.3	-663.5	1133.8	
LSD 41	81		-928.5				-5.0	3.4	-170.8			-5.8	-70.3	-2.4	-1174.6	
LSD 41 CV	88	-238.5	-238.5					12.0	12.0			-28.5	-28.5	-255.0	-255.0	
MCM 1	82							45.4	65.1			-1.3	-10.5	44.1	54.6	
MK 48 ADCAP	89			907.9	1095.0			-29.6	-123.0			105.1	106.2	983.4	1078.2	
MK 50 TORPEDO	89		44.4	553.3	1194.8		32.9		5.3				-59.8	553.3	1217.6	
NATO AAWS	88								117.4	-155.4	-155.4			-155.4	-38.0	
PHALANX CIWS	84	-113.6	156.0	35.8	18.3		147.3	79.4	362.2			1.5	58.0	3.1	741.8	
PHOENIX (AIM-54C)	77		1313.6		94.1		157.8	-3.4	-567.2			-1.7	100.4	-5.1	1098.7	
ROTHR	89	-551.3	-551.3			6.7	6.7	-7.3	-155.6			-115.8	-112.6	-667.7	-812.8	

Distribution of Cost Changes (Current Year Dollars)

As Of Date: December 31, 1990

Weapon System	Cost Changes Between the Baseline and Current Estimate (Current-Year Constant 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:																	
AAWS-M	54.9	293.2			316.5	310.4		52.4	-156.1	-229.1			260.9	272.7	476.2	699.6	
ADDS	41.5	-212.6	-849.6	-663.8	369.8	536.1	8.2	-370.8	-17.4	591.6			143.1	-65.1	-304.4	-184.6	
AH-64 (APACHE)	145.2	726.8		1417.8		607.6		256.1	-23.3	3524.8	-238.9	-238.9	21.7	1609.3	-95.3	7903.5	
AHIP KIOWA WARRIOR	7.1	-293.5		-959.3	8.9	185.9	20.5	684.1	-136.9	221.6			110.0	-24.2	9.6	-185.4	
ASM	158.0	158.0							2801.0	2801.0					2959.0	2959.0	
ATACMS	3.9	57.6	-489.2	507.2	17.4	41.2			-210.9	-325.7			5.6	5.6	-673.2	285.9	
AVENGER (LOS-R)	11.8	84.3	519.8	519.8	4.3	7.1			201.0	103.6			142.2	186.5	879.1	901.3	
BRADLEY FVS	117.1	-185.9	-1754.0	2670.8	4.7	762.0	-490.1	1885.6	-471.9	3087.3	17.9		33.2	1344.9	-2561.0	9582.6	
CH-47D (CHINOOK)	8.4	219.4		749.0		-7.6			8.7	689.3			29.6	122.8	46.7	1772.9	
FAAD C2I	163.1	230.0	134.0	134.0	71.9	32.0			673.1	1006.3					1042.1	1402.3	
FAADS LOS-F-H	129.5	738.7	-1603.7	-1603.7	917.3	1096.4				15.4			147.7	153.5	-409.2	400.3	
FAADS NLOS (FOG-M)	1.9	197.8	48.5	-2243.6	-49.8	-49.8				-1.9	-1.2	-146.7	-146.7	-48.5	-242.6	-196.5	-2486.1
FHTV (PLS)		143.1	25.3	-674.5	4.9	48.6				6.5	51.5			-41.0	-75.1	-4.3	-506.4
FMTV	898.4	2196.3	-404.2	3633.7	-731.3	748.9			-126.5	-122.8			-301.1	403.7	-664.7	6859.8	
HELLFIRE	9.8	183.9	-265.2	531.9	-24.5	343.0		603.2	-82.9	-55.0			1.4	20.3	-361.4	1627.3	
JGL TACIT RAINBOW			-4289.5	-4289.5							-327.0	-327.0	-24.8	-24.8	-4641.3	-4641.3	
LH	37.0	156.2			265.4	455.4	455.4	455.4	58.4	1619.3					550.8	2496.3	
LONGBOW APACHE	1.8	1.8			237.6	237.6	15.0	15.0	220.2	220.2			29.0	29.0	503.6	503.6	
M1 ABRAMS TANK	11.1	-929.6		8061.6		804.7	-43.9	1492.5	-136.5	6400.9			295.6	-60.1	126.3	15770.0	
MLRS	3.4	870.2	-534.5	1671.0	20.8	19.3	103.4	103.4	471.0	193.4	18.6		155.2	217.7	219.3	3093.6	
MLRS-TGW	0.6	-8.5				-4.2		1.5	-11.6	76.6					-11.0	65.4	
MSE	-43.2	178.4		83.0					310.5	-818.9			-19.7	-19.7	247.6	-577.2	
PATRIOT	201.6	2323.4	-75.0	-891.5		2349.7		-103.2	-444.3	1774.3	27.6		-272.7	1078.4	-590.4	6558.7	
SADARM	140.5	809.0	-2958.7	1396.2	964.8	974.9			-273.5	-322.5			7.1	7.1	-2119.8	2864.7	
SINCGARS	101.1	204.4	-3887.2	-2657.8	-175.6	707.2		16.3	526.2	-284.9			121.5	-383.6	-3314.0	-2398.4	
STINGER RMP	13.1	18.6	-1212.9	-306.1		241.7		3.7	49.2	-1372.1			-53.3	-62.6	-1203.9	-1476.8	
TOW 2	43.5	-44.9	-174.1	338.6		102.4	-48.2	522.4	-3.2	-215.7			68.1	61.8	-113.9	764.6	
UH-60A/L (BLACKHAWK)	317.8	1713.1	-3340.8	882.6		-43.0		233.9	-4141.5	3271.4	19.9		-281.5	340.9	-7446.0	6418.8	
Subtotal	2578.9	9829.2	-21111.0	8307.4	1957.7	10317.5	20.3	5851.5	-912.6	21900.6	-712.6	-628.6	529.3	4896.4	-17650.0	60474.0	
NAVY:																	
AN/BSY-1	2.0	-75.0	-108.9	-62.1	-9.5	15.5	-49.7	34.0	34.5	-26.6	1586.7	-1050.9	-1478.0	-1091.4	-22.9	-2256.5	
AN/SQQ-89	13.6	207.5	-185.2	-784.2	346.9	738.3		257.7	334.5	201.9			-91.5	-80.2	418.3	541.0	
AN/SQY-1	-12.7	47.4			227.1	227.1	-465.4	-465.4	142.2	568.8					-108.8	377.9	
AOE 6	10.1	130.9	-1374.3	-1374.3	131.8	133.0			245.8	476.4			-35.7	-35.8	-1022.3	-669.8	
ASPJ	4.2	2.6				25.4		52.1	44.2	293.5					48.4	373.6	
AV-8B	-1.9	-730.8		-1473.7		1410.8	17.4	749.9	-8.1	-1042.6			-78.2	253.5	-70.8	-832.9	
C/MH-53E	-145.6	174.0	-2844.7	2888.3	251.9	225.1	-151.7	368.3	537.3	333.6	3.0		-230.6	538.4	-2583.4	4530.7	
CG 47 AEGIS	-108.1	-997.2		11739.0		435.4		980.6	-44.8	-3358.4			-22.3	433.0	-175.2	9232.4	
CV HELO (SH-60F)	39.6	207.8			71.3	106.0	31.4	157.1	442.4	470.7			218.0	188.0	802.7	1129.6	
CVN-72/73		-889.9							-97.9	-340.9			2.2	-17.6	-95.7	-1248.4	
CVN-74/75	-80.7	39.5				-644.4			210.7	-15.2			20.5	168.5	150.5	-451.6	
DDG 51	-188.2	993.0	11137.3	23516.0	772.3	657.0	1081.3	1081.3	2891.2	42.6			617.4	971.3	16311.3	27261.2	
E-2C	24.6	31.4	-1671.7	390.8	-52.7	189.4	-15.2	79.1	-84.9	283.6			-207.8	207.4	-2007.7	1181.7	
E-6A (TACAMO)	1.6	-221.2		61.2		-5.5		47.6	84.2	200.5			-10.6	-262.0	75.2	-179.4	
EA-6B	111.1	697.7	-94.9	4069.0	158.5	483.7		0.4	1862.7	349.5			-281.1	1334.7	1756.3	6935.0	
F-14D	-1272.4	112.6	-9692.6	-13422.5	337.9	-123.1	-385.2	1.4	-3926.1	-1990.8			-3009.2	-4492.8	-17947.6	-19915.2	
F/A-18	145.9	6779.7		2471.7	2595.8	8604.4	9746.6	12549.1	524.4	5834.4	6.5		3071.0	6510.5	16083.7	42756.3	
FDS	114.1	114.1	-2410.2	-2410.2		-127.0			-346.8	-341.7			322.2	322.2	-2447.7	-2442.6	
HARM	13.5	489.3	-16.1	1677.5	-101.7	1790.1	-0.1	264.5	221.1	460.3			33.3	161.1	150.0	4842.8	
HARPOON	-14.2	285.4	-38.8	-137.5	49.8	422.5	-2.0	107.2	24.3	1566.8			17.2	469.1	36.3	2713.5	
LAMPS MK III	21.9	-132.5	1167.1	938.2	-69.2	1534.5	57.8	406.6	439.9	860.0			269.2	544.2	1886.7	4151.0	
LCAC	-9.6	-393.5	-589.7	686.8		28.5		2.8	31.8	281.2			-5.3	70.8	-572.8	676.6	
LHD 1	-38.2	-1407.1	-999.2	3006.3	269.6	45.0	-73.8	-5.9	-162.7	-1128.1			-43.4	77.0	-1047.7	587.2	
LSD 41	-4.0	-548.7		-1476.4				-6.3	4.1	-269.5			-7.1	-100.7	-7.0	-2401.6	
LSD 41 CV	-9.5	-9.5	-324.7	-324.7					13.1	13.1			-37.5	-37.5	-358.6	-358.6	
MCM 1	5.4	-2.7							42.6	78.9			-1.7	-9.9	46.3	66.3	
MK 48 ADCAP	74.6	403.6			2399.1	2796.8			-47.9	-160.7			182.4	183.6	2608.2	3223.3	
MK 50 TORPEDO	92.7	-224.5		47.7	1587.8	2543.6		31.0		0.5				-80.3	1680.5	2318.0	
NATO AAWS		2.1								147.2	-195.7	-195.7			-195.7	-46.4	
PHALANX CIWS	-3.7	-312.3	-191.8	158.3	71.4	48.9		186.4	142.7	342.0			4.7	82.3	23.3	505.6	
PHOENIX (AIM-54C)	3.6	-549.1		4169.3		517.5		346.4	-8.9	-2184.4			-4.2	310.0	-9.5	2609.7	
ROTHR	15.2	73.7	-762.3	-762.3	7.5	27.4		7.4	28.4	-96.3			-138.8	-136.7	-842.6	-886.8	
SLAT	21.7	22.7		856.4	0.4	47.2	7.4	24.3	-80.8	-18.2			-19.9	71.9	-78.6	1004.3	
SSN 21 / AN/BSY-2	-41.2	1135.7	7529.4	3138.8	6548.4	6336.5		144.8	601.4	1418.2			7.1	-286.1	14645.1	11887.9	
SSN 688	-90.2	-4586.8		22306.6		87.3		1919.6	662.3	1499.2			-31.7	1069.0	540.4	22294.9	
STD MSL 2	38.6	-544.0		2398.5	1152.1	1158.1		564.2	-248.1	-1172.0			59.0	267.6	1001.6	2672.4	
T-AO FLEET OILER	-5.4	-144.3		177.6		-65.9			6.9	-381.9			6.5	-2.0	8.0	-416.5	
T45TS	61.3	-381.4		-23.8	190.5	-213.8	192.4	821.3	434.1	781.5			-131.1	208.6	747.2	1192.4	
TOMAHAWK	11.7	-1676.3	250.2	7457.4	55.2	172.4	496.4	2343.7	255.6	-1592.9			97.0	1800.1	1166.1	8504.4	
TRIDENT II MSL	368.1	2159.5	-2785.5	-1528.5	828.6	1299.8			923.3	-580.4			682.3	438.0	16.8	1788.4	

Distribution of Cost Changes (Current Year Dollars)

As Of Date: December 31, 1990

Weapon System	Cost Changes Between the Baseline and Current Estimate (Current-Year Constant 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
NAVY:																
TRIDENT II SUB	-88.1	-2749.3	-3773.3	6288.6					18.4	-3236.9			-111.2	-111.2	-3954.2	191.2
UHF FOLLOW-ON	17.1	81.2	-113.5	-113.5					100.7	40.8					4.3	8.5
V-22	1.9	-2.8	465.6	-20172.5		8.4			-64.6	-18.1				-6434.9	402.9	-26619.9
Subtotal	-899.6	-2387.5	-7427.8	54377.8	17693.8	30935.9	10487.6	23051.2	6183.2	-1410.4	1391.0	-1237.1	-366.9	3501.7	27061.3	106831.6
USAF:																
ACM	26.3	263.3	-1071.0	-1071.0	107.4	265.9	-15.6	101.3	697.3	595.6			-78.5	-307.5	-334.1	-152.4
AMRAAM	585.4	-893.5	-1999.4	-2038.6	1339.6	1875.3	-77.3	299.4	-1595.6	2896.2			-16.1	-618.0	-1763.4	1520.8
ATARS	0.2	-14.9	521.4	-559.9			97.5	119.4	114.9	110.9	-16.4		-115.1	-122.9	618.9	-483.8
ATF	51.1	-46.0	560.6	92.9	304.4	831.7		-109.8	1422.5	344.4			147.2	430.2	2485.8	1543.4
AWACS RSIP	6.1	6.1			3.9	3.9	2.3	2.3	2.1	2.1			-9.5	-9.5	4.9	4.9
B-1B	45.7	-1712.1			41.9	19.3	11.4	487.4	265.4	-348.4			-34.7	-209.4	329.7	-1763.2
C-17A	386.5	386.5	-11039.0		412.2	1579.3	21.9	21.9	2958.0	4260.2			229.6	-1746.4	4008.2	-6537.5
CMU	5.8	5.8							6.0	-6.3			35.2	35.2	47.0	34.7
DMSP	8.5	-106.6		190.2		1.9		-84.0	43.1	-88.0			22.1	52.7	73.7	-33.8
DSCS III	9.4	127.1	-180.0	-124.7		129.6	23.1	552.8	-9.9	202.8		77.4			-157.4	965.0
DSP	31.5	0.7	518.7	2786.3	44.3	156.6			930.2	745.8			71.4	673.2	1596.1	4362.6
F-15	78.6	749.5		12178.7	1.3	1458.8	-92.5	2546.1	-28.1	138.3		767.7	-177.7	4725.2	-218.4	22564.3
F-16	330.2	189.7	-8907.3	13958.8	177.4	2305.5	-6693.2	9835.5	2388.1	-1995.6		56.4	-2770.5	7161.6	-15475.3	31511.9
IR MAVERICK	17.5	-148.6	44.1	-987.8	2.2	1817.0		9.5	32.0	390.1			-7.1	141.5	20.5	1244.2
IUS	5.4	11.4	27.5	-461.8				0.6	110.1	82.0			0.2	-8.0	115.7	-218.4
JSTARS	116.0	795.8	-562.5	-562.5	125.1	150.8	-361.1	-361.1	1164.7	666.5			-106.4	-136.8	375.8	552.7
JTIDS	0.8	-24.8		740.9		22.8			352.7	422.3				56.1	135.3	1570.0
KC-135R	170.6	380.2	-2102.1	3854.8	752.9	934.1			643.8	-1570.4			256.0	627.2	-278.8	4225.9
LANTIRN	26.3	-288.3		-265.0		53.0			-42.0	339.7				37.1	189.4	21.4
MARK XV IFF	0.5	1.0							-0.5	-2628.5	188.6	-475.1	203.8	-596.2	392.4	-3698.8
NAVSTAR GPS	38.4	63.6	-32.0	927.3	7.1	630.7		613.1	34.2	-680.9			-2.3	551.4	45.4	2105.2
NAVSTAR USER EQMT	75.3	136.3	-458.8	-322.9	58.4	405.9		-54.9	81.2	686.0				343.6	142.0	99.7
OTH-B	-18.6	-74.1	-604.3	-318.4	-15.9	46.1	-135.6	54.5	251.6	345.1			-16.1	-21.1	-538.9	32.1
PEACEKEEPER	99.7	-575.1	-3181.5	-5815.6		1059.9		-50.0	-614.9	-170.4			-60.6	-1997.0	-3362.8	-5448.8
RAIL GARRISON	31.5	283.5	-3707.5	-3707.5	184.3	220.3	-209.0	122.5	-7.8	-261.8			-869.3	-933.3	-4577.8	-4276.3
SFW	69.3	353.1	-614.2	142.6	515.9	700.4			-326.9	-91.1			-11.0	0.7	-366.9	1105.7
SMALL ICBM	47.9	369.9		-12146.9			250.0	250.0	-138.8	31.1		-7490.1		-18307.7	159.1	-37293.7
SRAM II	10.9	125.6	-524.8	-524.8	44.2	46.2	-8.5	155.4	327.6	65.0			82.0	-26.2	-68.6	-158.8
TACIT RAINBOW	71.3	405.6	-3563.2	-4267.5		311.6		175.0	19.8	519.6			-285.6	-432.2	-3757.7	-3287.9
TITAN IV	183.1	607.8	-1088.5	8995.6	623.8	643.8		-1975.0	-34.9	4935.3			1644.9	2600.8	1328.4	15808.3
Subtotal	2511.2	1378.5	-26924.8	-345.8	4730.4	15670.4	-7226.5	12602.4	9166.4	12649.8	188.6	-7080.1	-1487.4	-8085.0	-19042.1	26790.2
DOD:																
SDS (GPALS)	285.8	285.8							3072.2	3072.2					3358.0	3358.0
WAM/WIS		-164.0				23.2		30.9	253.3	-82.1	-957.2	-957.2		-2.4	-703.9	-1151.6
Subtotal	285.8	121.8				23.2		30.9	3325.5	2990.1	-957.2	-957.2		-2.4	2654.1	2206.4
Grand Total	4476.3	8942.0	-55463.6	62339.4	24381.9	56947.0	3281.4	41536.0	17762.5	36130.1	-90.2	-9903.0	-1325.0	310.7	-6976.7	196302.2

Program Funding Status (Dollars in Millions)

As Of Date: December 31, 1990

Weapon System	Prior Years	FY 92 Budget	FY 93 Budget	Balance of Program	Total
ARMY:					
AAWS-M	448.9	124.4	224.1	3838.7	4636.1
ADDS	571.6	36.7	46.9	2198.4	2853.6
AH-64 (APACHE)	11326.9	73.4	135.4	157.6	11693.3
AHIP KIOWA WARRIOR	1716.8	201.9	94.9	332.6	2346.2
ASM	647.2	633.1	568.3	7301.5	9150.1
ATACMS	937.7	180.4	192.4	197.7	1508.2
AVENGER (LOS-R)	454.1	180.1	160.9	1372.9	2168.0
BRADLEY FVS	9663.1	109.1	109.6	137.7	10019.5
CH-47D (CHINOOK)	3052.7	254.4	12.5	16.1	3335.7
FAAD C2I	502.2	105.1	83.3	2575.4	3266.0
FAADS LOS-F-H	490.9	97.4	208.8	5628.9	6426.0
FAADS NLOS (FOG-M)	434.3				434.3
FHTV (PLS)	234.5	106.3	345.6	804.1	1490.5
FMTV	119.4	171.2	294.2	14843.6	15428.4
HELLFIRE	2002.5	37.5	125.5	165.2	2330.7
JGL TACIT RAINBOW	91.1				91.1
LH	1232.1	549.6	608.5	2239.1	4629.3
LONGBOW APACHE	650.4	131.4	175.6	2213.3	3170.7
M1 ABRAMS TANK	20204.2	87.0	45.7	212.5	20549.4
MLRS	5067.6	191.5	210.6	1077.9	6547.6
MLRS-TGW	229.8	46.8			276.6
MSE	4274.9	72.5	51.0	158.4	4556.8
PATRIOT	11650.8	107.1	26.3	15.0	11799.2
SADARM	588.7	150.8	108.9	3803.1	4651.5
SINGGARS	1177.3	287.5	299.4	1449.1	3213.3
STINGER RMP	1437.6	37.5	6.8	2.5	1484.4
TOW 2	2408.1	289.4	251.9	439.0	3388.4
UH-60A/L (BLACKHAWK)	6660.0	507.5	428.4	1130.2	8726.1
Subtotal	88275.4	4769.6	4815.5	52310.5	150171.0
NAVY:					
AN/BSY-1	1397.4	45.5	34.6	93.6	1571.1
AN/SQQ-89	2946.4	391.9	297.8	1052.5	4688.6
AN/SQY-1	224.0	78.7	220.7	807.2	1330.6
AOE 6	1413.4	566.0	22.8	162.8	2165.0
ASPJ	522.0	16.0	14.9	57.1	610.0
AV-8B	8292.0	0.6			8292.6
C/MH-53E	3447.4	522.3	530.7	608.7	5109.1
CG 47 AEGIS	23114.2	86.8	81.6	33.3	23315.9
CV HELO (SH-60F)	1392.0	293.5	303.3	2314.6	4303.4
CVN-72/73	6122.4	18.5	29.6		6170.5
CVN-74/75	6216.0	130.0	14.4	154.0	6514.4
DDG 51	14213.2	4541.1	3644.0	24980.4	47378.7
E-2C	6022.0	539.4	541.8		7103.2
E-6A (TACAMO)	2072.3				2072.3
EA-6B	3549.4	134.4	589.4	5409.6	9682.8
F-14D	4744.9	116.2	103.9	141.7	5106.7
F/A-18	29138.9	2404.3	2519.9	21568.5	55631.6
FDS	616.6	233.2	194.3	4360.6	5404.7
HARM	5230.6	334.6	328.7	1358.8	7252.7
HARPOON	3700.6	37.8		6.9	3745.3
LAMPS MK III	4656.3	287.1	332.4	2782.8	8058.6
LCAC	1960.3	300.3	3.8	22.9	2287.3
LHD 1	4888.9	40.3	39.5	69.5	5038.2
LSD 41	2438.1	10.2			2448.3
LSD 41 CV	745.6	250.8	263.3	76.8	1336.5
MCM 1	1758.5	19.4	16.7	9.1	1803.7
MK 48 ADCAP	3412.5	367.1	262.6	5981.4	10023.6
MK 50 TORPEDO	2472.2	287.0	288.9	5923.6	8971.7
NATO AAWS	47.7				47.7
PHALANX CIWS	2495.1	82.6	80.7	328.9	2987.3
PHOENIX (AIM-54C)	3074.0				3074.0
ROTHR	707.2	14.9	22.3	290.5	1034.9
SLAT	249.3	73.0	281.1	768.7	1372.1
SSN 21 / AN/BSY-2	8229.2	2610.2	2714.1	20073.5	33627.0
SSN 688	27543.0	256.2	89.9	153.3	28042.4
STD MSL 2	6617.2	496.1	481.9	3130.0	10725.2

Program Funding Status (Dollars in Millions)

As Of Date: December 31, 1990

Weapon System	Prior Years	FY 92 Budget	FY 93 Budget	Balance of Program	Total
NAVY:					
T-AO FLEET OILER	2727.4	23.7	16.1	7.0	2774.2
T45TS	1745.0	374.8	361.2	4173.4	6654.4
TOMAHAWK	8363.4	598.4	520.8	1444.7	10927.3
TRIDENT II MSL	18648.2	1211.2	1300.3	16147.2	37306.9
TRIDENT II SUB	14084.2	114.6	18.2	59.4	14276.4
UHF FOLLOW-ON	868.3	253.1	156.4	446.8	1724.6
V-22	3042.4				3042.4
Subtotal	245149.7	18161.8	16722.6	124999.8	405033.9
USAF:					
ACM	4318.8	626.4	551.5	1016.3	6513.0
AMRAAM	5143.2	1030.7	1048.7	5889.8	13112.4
ATARS	171.1	60.6	113.1	463.9	808.7
ATF	3985.9	1637.2	2324.6	8889.7	16837.4
AWACS RSIP	176.7	116.3	72.1	329.7	694.8
B-1B	26931.3	119.3	175.0	548.8	27774.4
C-17A	8463.6	2833.8	4211.9	19765.1	35274.4
CMU	1038.5	143.7	191.7	241.8	1615.7
DMSP	1352.8	149.9	44.4	298.1	1845.2
DSCS III	1648.6	70.1	30.2	109.7	1858.6
DSP	6814.6	270.8	653.1	2171.7	9910.2
F-15	29459.0	304.9	64.5	91.1	29919.5
F-16	34160.3	1419.0	923.0	1064.1	37566.4
IR MAVERICK	2831.6	5.5			2837.1
IUS	1357.3	67.5	134.4	234.7	1793.9
JSTARS	1815.8	474.1	901.9	5394.4	8586.2
JTIDS	1443.3	167.2	109.3	232.7	1952.5
KC-135R	6135.5	451.4	466.3	5001.9	12055.1
LANTIRN	3807.9	7.3	5.0	2.5	3822.7
MARK XV IFF	369.9	21.4	31.0	270.5	692.8
NAVSTAR GPS	2512.8	270.1	309.4	1319.6	4411.9
NAVSTAR USER EQMT	1840.1	270.7	259.3	3498.1	5868.2
OTH-B	1437.5	8.0	4.0	2.0	1451.5
PEACEKEEPER	16022.5	198.1	5.5	5.3	16231.4
RAIL GARRISON	2087.5	260.1	100.1	102.8	2550.5
SEW	201.9	95.7	252.6	2961.3	3511.5
SMALL ICBM	3506.7	548.8	714.7	2664.0	7434.2
SRAM II	831.8	176.9	258.7	967.2	2234.6
TACIT RAINBOW	366.1				366.1
TITAN IV	7448.8	1184.3	1203.2	8501.2	18337.5
Subtotal	177681.4	12989.8	15159.2	72038.0	277868.4
DOD:					
SDS (GPALS)	1657.1	2386.6	2406.9	24539.8	30990.4
WAM/WIS	950.0	124.2	122.2	466.2	1662.6
Subtotal	2607.1	2510.8	2529.1	25006.0	32653.0
Grand Total	513713.6	38432.0	39226.4	274354.3	865726.3