

**SELECTED ACQUISITION REPORT (SAR) SUMMARY TABLES**

**As of Date: December 31, 1991**

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**UNCLASSIFIED**

**Department of Defense  
Performance Management, OUSD(A)  
March 27, 1992**

## **SELECTED ACQUISITION REPORTS - HIGHLIGHTS**

**(As of December 31, 1991)**

The Department of Defense has released details on major defense acquisition program cost and schedule changes since the September 1991 reporting period. This information is based on the Selected Acquisition Reports (SARs) submitted to the Congress for the December 31, 1991, reporting period.

SARs summarize the latest estimates of cost, schedule, and technical status. These reports are prepared annually in conjunction with the President's budget. 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 costs for three of the reporting programs, i.e., ASAS, BAT, and STINGRAY, are classified. The current estimate of program acquisition costs for the remaining programs covered by SARs for the prior reporting period (September 1991) was \$845,604.3 million. After subtracting the costs for terminated reports and adding the costs for new programs, the adjusted current estimate of program acquisition costs for September 1991 was \$845,615.7 million. There was a net decrease of \$58,799.0 million during the current reporting period (December 1991). The cost changes between September and December 1991 are summarized below:

	<u>Current Estimate (\$ in Millions)</u>
<b>September 1991 (96 programs)<sup>1/</sup></b>	<b>\$ 845,604.3</b>
Less terminated report on DSCS III (program was 90 percent complete)	-1,868.3
Plus two new programs (AAAM and CSSCS)	+1,879.7
<b>September 1990 Adjusted (97 programs)<sup>1/</sup></b>	<b>\$ 845,615.7</b>

<sup>1/</sup>*Excludes Army's ASAS, BAT, and STINGRAY programs due to classified costs.*

**Changes Since Last Report:**

Economic	\$ -18,508.9
Quantity	-36,069.9
Schedule	+250.4
Engineering	+348.7
Estimating	-1,069.4
Other	-3,579.7
Support	<u>-170.2</u>
Net Cost Change	\$ -58,799.0
Plus initial procurement and MILCON estimates for F-22 (previous report was limited to development costs) <sup>1/</sup>	+79,580.0
Less procurement costs for F/A-18E/F (now reported separately from F/A-18C/D) <sup>2/</sup>	-5,994.9
<b>December 1990 (98 programs)<sup>3/</sup></b>	<b>\$860,401.8</b>

The net cost decrease was \$-58,799.0 million or -7.0 percent was due primarily to program terminations and lower escalation rates. Details of the most significant changes are summarized in the attachment.

*<sup>1/</sup>In accordance with provisions of Section 2432, Title 10, United States Code, SAR cost estimates may be limited to the development program prior to Milestone II (approval of engineering and manufacturing development). Estimated procurement/MILCON costs of \$79,580 million have been added. This increase does not represent cost growth, but establishes a total program acquisition baseline from which future changes will be measured.*

*<sup>2/</sup>The F/A-18 SAR has been divided into two reports (i.e., F/A-18C/D and F/A-18E/F) to provide visibility for each major defense acquisition program. Since F/A-18E/F is pre-Milestone II, the SAR may be limited to the development program. Consequently, \$5,994.9 million of previously reported, but incomplete, procurement costs have been deleted pending definition of a complete program at Milestone II.*

*<sup>3/</sup>Excludes Army's ASAS, BAT, and STINGRAY programs due to classified costs.*

**New SARs**  
**(As of December 31, 1991)**

The Department of Defense has submitted initial reports for six programs. 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 (\$ in Millions)</u>
AIWS (Advanced Interdiction Weapon System) <sup>1/</sup>	\$ 372.8
EMSP (Enhanced Modular Signal Processor)	564.8
MCS (Maneuver Control System)	1,138.8
MHC 51 (Coastal Minehunter)	1,548.3
T-AGOS (Surveillance Ship)	2,031.3
UAV (Unmanned Aerial Vehicles)	<u>6,636.7</u>
Total	\$12,292.7

*<sup>1/</sup>Pre-Milestone II program reporting development costs only in accordance with the provisions of Section 2432, Title 10, United States Code.*

**SUMMARY EXPLANATIONS OF SAR COST CHANGES**  
**(As of December 31, 1991)**

**Army:**

ADATS (FAADS LOS-F-H) - Program costs decreased \$5,823.6 million (-90.6%) from \$6,426.0 million to \$602.4 million due to termination of the program.

ASM - Program costs decreased \$1,807.5 million (-19.8%) from \$9,150.1 million to \$7,342.6 million, due primarily to congressional direction to restructure the program (\$-2,394.1 million). This decrease was partially offset by a change in the type of mobility platform to match the Advanced Field Artillery System (\$+648.2 million).

COMANCHE (LH) - Development program costs decreased \$1,213.8 million (-26.2%) from \$4,629.3 million to \$3,415.5 million due to a restructuring of the program (\$-1,142.0 million) and the application of revised escalation rates (\$-71.8 million).

FAAD C<sup>2</sup>I - Program costs decreased \$954.6 million (-31.2%) from \$3,062.5 million to \$2,106.4 million due primarily to revised FAAD C<sup>2</sup> program cost estimates. These revised estimates resulted from the deletion of software versions 6 and 7, and a reduction in computer hardware requirements (\$-699.7 million). Other decreases included a reduction in the buy of Non-Cooperative Target Recognition (NCTR) devices (\$-164.2 million) and revised escalation rates (\$-222.9 million).

JSTARS GSM - Program costs increased \$435.8 million (+41.3%) from \$1,055.2 million to \$1,491.0 million due primarily to a quantity increase in prototype units from 17 to 21 and in production units from 74 to 104 (\$+247.1 million). Other increases included additional initial spares to support the increased production quantities (\$+118.3 million), and lessons learned from Desert Storm and recent requirements operational capabilities (ROC) revisions (\$+22.3 million).

**Navy:**

AAAM - Program costs decreased \$1,280.6 million (-80.6%) from \$1,589.0 million to \$308.4 million due to termination of the program prior to the completion of development.

AN/SQY-1 - Program costs decreased \$1,198.8 million (-90.1%) from \$1,330.6 million to \$131.8 million due to the termination of the program at the completion of the demonstration and validation phase of development.

DDG-51 - Programs costs decreased \$1,467.2 million (-3.1%) from \$47,378.7 million to \$45,911.5 million due primarily to the application of revised escalation rates (\$-2,374.3 million) and savings from accelerating the ship buy (\$-143.2 million). These decreases were partially offset by revised ship construction and GFE cost estimates (\$+746.9 million), revised RDT&E cost estimates for AEGIS system upgrade (\$+205.8 million), and revised outfitting and post delivery requirements (\$+156.8 million).

F/A-18 C/D - Program costs decreased \$3,267.4 million (-7.2%) from \$45,662.3 million to \$42,394.9 million due primarily to the deletion of spares and equipment for new configuration items and the reduction in support costs as a result of accelerating the F/A-18 C/D buy (\$-1,599.5 million), savings in flyaway costs as a result of the accelerated aircraft buy (\$-834.2 million), and the application of revised escalation rates (\$-1,033.2 million).

F/A-18 E/F - Program costs increased \$1,135.5 million (+28.6%) from \$3,974.4 million to \$5,109.9 million due primarily to revised development estimates (\$+1,219.0 million). This increase was partially offset by the application of revised escalation rates (\$-84.3 million). [NOTE: This program is now separately reported with cost changes against a SAR baseline which was established from the current estimate of the December 1990 SAR (i.e., the first report in which F/A-18 E/F costs were reported).]

FDS - Program costs decreased \$3,826.8 million (-70.8%) from \$5,404.7 million to \$1,577.9 million due primarily to termination of the production program (\$-3,824.9 million). The existing development contracts will be completed.

HARM - Program costs decreased \$1,000.9 million (-13.8%) from \$7,252.7 million to \$6,250.1 million due primarily to a quantity decrease of 3,062 missiles from 22,570 to 19,508 missiles (\$-763.6 million), and lower overall costs due to earlier than expected program termination (\$-225.3 million).

LHD 1 - Program costs increased \$1,367.3 million (+27.1%) from \$5,038.2 million to \$6,405.5 million due primarily to the addition of one ship (FY 1996) from five to six ships (\$+1,039.8 million), revised estimates associated with the additional ship (\$+176.4 million), and revised estimates for the fifth ship based upon bid price (\$+164.5 million).

LSD 41 CARGO VARIANT - Program costs decreased \$511.8 million (-38.3%) from \$1,336.5 million to \$824.7 million due primarily to a quantity decrease of two ships (one in FY 1992 and one in FY 1993) from five to three ships (\$-535.0 million).

MK 50 TORPEDO - Program costs decreased \$911.2 million (-10.2%) from \$8,971.8 million to \$8,060.5 million due primarily to an acceleration of the buy schedule (\$-702.5 million), and the application of revised escalation rates (\$-229.4 million).

SLAT - Program costs decreased \$1,117.6 million (-81.8%) from \$1,366.0 million to \$248.4 million due to program termination.

SSN-21 - Program costs decreased \$26,105.4 million (-77.6%) from \$33,627.0 million to \$7,521.6 million due to termination of the program after the lead ship.

V-22 - Program costs increased \$544.7 million (+17.9%) from \$3,042.4 million to \$3,587.1 million due primarily to the appropriation of FY 1992 funds by the Congress (\$+640.0 million). This increase was partially offset by the expiration of deferred FY 1991 funding (\$-62.0 million) and internal Navy reprogramming from the V-22 to other Navy programs (\$-32.6 million).

#### Air Force:

ACM - Program costs decreased \$1,550.8 million (-23.8%) from \$6,513.0 million to \$4,962.2 million due primarily to a reduction in quantity of 360 missiles from 1,000 to 640 missiles (\$-1,353.3 million), including associated estimating changes of \$-237.4 million, schedule changes of \$-126.6 million, and engineering changes of \$18.3 million. Other decreases included the cancellation of the variant version of the missile (\$-152.4 million), the application of revised escalation rates (\$-69.2 million), and reduced support requirements associated with the quantity reduction (\$-37.7 million). These decreases were partially offset by revised cost estimate of competition savings (\$+31.7 million).

DMSP - Program costs increased \$233.0 million (+12.6%) from \$1,845.2 million to \$2,078.2 million due primarily to transfer of support and launch effort funding from operations and maintenance (O&M) to procurement (\$+192.4 million), a revised estimate of small tactical terminal procurement to include revised user requirements (\$+35.8 million). Other increases included a revised development estimate for tactical terminal due to design problems (\$+6.9 million) and a revised procurement estimate for tactical terminals due to cost growth (\$+11.8 million). These increases were partially offset by the application of revised escalation rates (\$-20.0 million).

F-22 (ATF) - Development program costs of \$16,837.4 million were the only costs reported in the December 1990 SAR (pursuant to 10 U.S.C. 2432). The December 1991 SAR reflects the addition of procurement and MILCON costs of \$79,580.0 million, which were approved at Milestone II. Aside from these adjustments, costs have decreased \$22.0 million due to the application of revised

escalation rates (\$-3,487.6 million), revised estimate of flight test costs (\$-1,350.0 million) and engineering change orders (\$-163.6 million). These decreases were partially offset by increased estimates for development of airframes (\$+2,742.7 million), avionics (\$+701.6 million), and engines (\$+552.8 million), and support for RDT&E (\$+481.0 million), interim contractor support and common support equipment (\$+456.7 million). The current estimate of total program cost is \$96,395.4 million.

IR MAVERICK - Program costs increased \$323.5 million (+11.4%) from \$2,837.1 million to \$3,160.6 million due primarily to an increase in quantity of 5,255 missiles from 20,259 to 25,514 missiles (\$+695.5 million), including associated schedule adjustments of \$55.2 million and estimating adjustments of \$69.7 million. Also, the support and spares requirements increased (\$+7.7 million) due to the the quantity increase. The quantity increase was partially offset by revised program cost estimates (\$-442.7 million) and a decrease due to the application of revised escalation rates (\$-6.7 million).

KC-135R - Program costs decreased \$4,944.2 million (-41.0%) from \$12,055.1 million to \$7,110.9 million due primarily to a reduction of 155 in the number of aircraft to be reengined (from 552 to 397 aircraft) (\$-3,832.2 million), including associated schedule adjustments of \$-20.0 million and estimating adjustments of \$+43.6 million. Also, associated with the reduction in quantity, there were decreases in initial spares (\$-373.7 million), other weapons system support cost (\$-224.8 million), and installation costs (\$-263.8 million). Other changes included a decrease due to the application of revised escalation rates (\$-197.7 million) and an increase in the hardware estimate (\$+28.3 million).

PEACEKEEPER RAIL GARRISON - Program costs decreased \$511.2 million (-20.0%) from \$2,550.5 million to \$2,039.3 million due primarily to termination of the program (\$-473.3 million), the resulting rescission of MILCON funds for facilities at Warren AFB (\$-64.3 million), and the application of revised escalation rates (\$-16.8 million).

SENSOR FUZED WEAPON - Program costs decreased \$645.7 million (-18.4%) from \$3,511.5 million to \$2,865.8 million due primarily to a decrease of 6,726 weapons from 16,726 to 10,000 weapons (\$-677.1 million), the application of revised escalation rates (\$-180.3 million), and cost estimating changes based on negotiated versus projected values for the FY 1992 LRIP (\$-55.3 million). These decreases were partially offset by stretching the production schedule an additional two years (\$+255.3 million).

SMALL ICBM - Program costs decreased \$3,759.1 million (-50.6%) from \$7,434.2 million to \$3,675.1 million due primarily to termination of the program (\$-3,683.6 million) and the application of revised escalation rates (\$-90.3 million).

SRAM II - Program costs decreased \$1,408.5 million (-63.0%) from \$2,234.6 million to \$826.1 million due primarily to termination of the program (\$-1,375.1 million) and the application of revised escalation rates (\$-39.6 million).

SRAM-T - Program costs decreased \$1,125.8 million (-93.3%) from \$1,206.6 million to \$80.8 million due primarily to termination of the program (\$-1,092.1 million) and the application of revised escalation rates (\$-34.6 million).

TITAN IV - Program costs increased \$4,280.5 million (+23.3%) from \$18,393.5 million to \$22,674.0 million due primarily to a revised production schedule to match revised launch rate requirements (\$+3,906.0 million). This revised estimate includes four additional years of launch operations (FY 2001-2004) and impacts to other support requirements of \$+1,364.0 million, associated additional costs of incentives, propellants, manifest planning, and integration of \$+830.8 million, adjustments to vehicle launch requirements of \$+671.1 million, impacts to the production costs on the Titan IV contract of \$+458.4 million, an associated increase in average unit cost due to revised production schedule of \$+308.4 million, integration costs of \$+150.8 million, and hardware storage and solid rocket motor upgrade costs of \$+122.5 million. Other increases included additional technical support for the solid rocket motor upgrade (\$372.8 million) and engineering required for pre-planned product improvements (P<sup>3</sup>I) and range safety design modification (\$367.0 million). These increases were partially offset by the application of revised escalation rates (\$-375.1 million).

**DoD:**

SDS-GPALS (Strategic Defense System - Global Protection Against Limited Strikes) - Program costs decreased \$2,493.0 million (-8.0%) from \$30,990.4 million to \$28,497.4 million primarily due to refinement of estimate and reflection of cost and technical changes associated with the Missile Defense Act of 1991 (\$-1,794.2 million) and the application of revised escalation rates (\$-824.6 million).

WAM (WWMCCS ADP Modernization Program) - Program costs decreased \$131.6 million (-13.7%) from \$957.2 million to \$825.6 million due to revised cost estimates for the program.

**Program Acquisition Cost Summary In Millions Of Dollars**

**As Of Date: December 31, 1991**

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 \$			
<b>ARMY:</b>													
ADATS (FAADS LOS-F-H)	89	DE	5,051.3	6,025.7	562	-4,479.8	-5,423.3	-558	571.5	602.4	4	-66.1	318.6
ADDSS	83	PE	1,981.5	3,038.2	85	-393.5	-346.9	17	1,588.0	2,691.3	102	1.3	14.0
AFATDS	90	DE	860.4	1,052.1	3,321	109.1	155.6	-	969.5	1,207.7	3,321	12.7	14.8
AH-64 (APACHE)	72	DE	1,892.4	3,789.8	536	2,014.1	7,958.3	275	3,906.5	11,748.1	811	60.5	124.1
ASM	90	PE	5,093.8	6,191.1	55	836.7	1,151.5	-19	5,930.5	7,342.6	36	16.4	18.6
ATACMS	91	PdE	1,506.6	1,508.2	1,557	38.8	31.7	31	1,545.4	1,539.9	1,588	1.7	1.1
AVENGER (FAADS LOS-R)	89	PdE	1,103.1	1,266.7	1,207	619.9	964.8	572	1,723.0	2,231.5	1,779	19.0	24.9
BRADLEY FVS	72	DE	325.6	436.9	1,190	2,969.0	9,579.3	5,534	3,294.6	10,016.2	6,724	172.3	222.3
CH-47D (CHINOOK)	75	DE	882.5	1,562.8	361	521.1	1,792.4	113	1,403.6	3,355.2	474	25.5	43.4
COMANCHE (LH)	84	PE	1,756.2	2,133.0	-	795.8	1,282.5	-	2,552.0	3,415.5	-	45.3	60.1
CSSCS	91	DE	246.1	290.7	1,115	-0.2	-2.1	-	245.9	288.6	1,115	-0.1	-0.7
FAAD C2I	87	DE	1,640.6	1,863.7	-	-79.4	242.7	201	1,561.2	2,106.4	201	-1.5	17.9
FAADS NLOS (FOG-M)	89	DE	2,519.7	2,920.4	403	-2,138.8	-2,530.7	-403	380.9	389.7	-	-51.2	-42.4
FMTV	89	DE	6,625.3	8,568.6	118,995	3,816.7	11,991.0	-6,673	10,442.0	20,559.6	112,322	33.6	68.5
JAVELIN (AAWS-M)	90	DE	3,398.8	3,936.5	70,631	440.8	1,193.3	-11	3,839.6	5,129.8	70,620	13.0	30.3
JSTARS GSM	89	DE	1,133.0	1,291.6	112	37.1	199.4	13	1,170.1	1,491.0	125	-0.1	10.7
KIOWA WARRIOR	82	DE	1,667.9	2,531.6	578	43.0	-131.1	-323	1,710.9	2,400.5	255	65.0	49.2
LASER HELLFIRE	75	DE	488.6	703.4	24,600	522.3	1,695.4	21,575	1,010.9	2,398.8	46,175	53.4	110.7
LONGBOW APACHE	91	DE	2,626.2	3,170.7	227	68.2	25.7	-	2,694.4	3,196.4	227	2.6	0.8
LONGBOW HELLFIRE	91	DE	1,648.1	2,190.3	10,896	23.6	-21.8	-	1,671.7	2,168.5	10,896	1.4	-1.0
M1 ABRAMS TANK	89	DE	6,732.5	4,779.4	3,312	16,350.4	15,791.6	4,510	23,082.9	20,571.0	7,822	48.2	59.1
MLRS	78	PE	2,232.3	3,454.0	183	908.5	3,189.2	646	3,140.8	6,643.2	829	4.1	26.5
MLRS-TGW	84	PE	190.7	211.2	-	65.0	91.5	-	255.7	302.7	-	34.1	43.3
MSE	86	PdE	4,428.5	5,134.0	48	-525.8	-574.4	-	3,902.7	4,559.6	48	-13.2	-12.6
PATRIOT	72	DE	4,267.4	5,240.5	234	535.7	6,896.8	-134	4,803.1	12,137.3	100	48.9	160.4
PLS	91	DE	1,846.9	1,996.9	4,333	-607.5	-578.3	-871	1,239.4	1,418.6	3,462	-3.1	10.7
SADM	89	DE	1,605.5	1,786.8	10,288	1,610.1	2,789.3	52,612	3,215.6	4,576.1	62,900	2.8	43.8
SINCGARS	84	PdE	4,167.7	5,611.7	292,853	-1,887.1	-2,489.9	-142,853	2,280.6	3,121.8	150,000	-12.6	5.7
STINGER RMP	83	PdE	2,267.6	2,961.2	36,034	-1,117.4	-1,460.7	-7,226	1,150.2	1,500.5	28,808	-27.6	-24.7
TOW 2	84	PdE	2,302.1	2,623.8	141,337	402.1	525.8	12,745	2,704.2	3,149.6	154,082	5.8	5.3
UH-60A/L (BLACKHAWK)	71	DE	1,942.0	2,307.3	1,107	918.2	6,378.5	340	2,860.2	8,685.8	1,447	30.9	172.3
Subtotal	1/		74,430.9	90,578.8		22,416.7	60,367.1		96,847.6	150,945.9		21.8	53.9
<b>NAVY:</b>													
AAAM	85	PE	1,111.8	1,589.0	45	-861.0	-1,280.6	-	250.8	308.4	45	-77.4	-80.6
AN/BSY-1	84	DE	2,972.4	3,827.6	-	-1,578.1	-2,257.0	-	1,394.3	1,570.6	-	-52.2	-58.3
AN/SQQ-89	85	PdE	3,899.0	4,147.6	120	-17.6	312.8	-36	3,881.4	4,460.4	84	24.4	39.5
AN/SQY-1	85	PE	764.8	952.7	-	-653.5	-820.9	-	111.3	131.8	-	-85.4	-86.2
AOE 6	86	PdE	2,332.5	2,834.8	7	-358.6	-516.0	-3	1,973.9	2,318.8	4	45.8	58.8
ASPJ	84	DE/PdE	227.7	236.4	-	321.7	324.6	-	549.4	561.0	-	141.3	137.3
AV-8B	79	DE	5,740.6	9,125.5	342	-823.6	-526.1	-57	4,917.0	8,599.4	285	-5.4	11.2
C/MH-53E	73	DE	464.4	578.4	74	1,378.1	4,490.6	158	1,842.5	5,069.0	232	26.3	47.0
CG 47	78	DE	9,013.7	14,083.5	16	5,084.2	9,210.6	11	14,097.9	23,294.1	27	-2.8	-9.8
CV HELO (SH-60F)	88	PdE	2,691.8	3,173.8	175	465.7	846.3	-	3,157.5	4,020.1	175	17.3	26.7
CVN-72/73	82	PdE	5,265.5	7,418.9	2	-34.8	-1,262.7	-	5,230.7	6,156.2	2	-0.7	-17.0
CVN-74/75	88	PdE	5,911.0	6,966.0	2	225.2	-364.0	-	6,136.2	6,602.0	2	3.8	-5.2
CVN-76	95	PdE	3,910.8	4,297.2	1	-70.6	-98.0	-	3,840.2	4,199.2	1	-1.8	-2.3
DDG 51	87	PdE	16,953.7	20,117.5	23	17,771.2	25,794.0	26	34,724.9	45,911.5	49	4.3	5.2
E-2C	85	PdE	5,398.0	5,921.5	127	2,795.4	768.1	14	8,193.4	6,689.6	141	44.6	11.1
E-6A (TACAMO)	82	DE	1,584.7	2,251.7	15	36.8	-88.3	1	1,621.5	2,163.4	16	-0.3	-6.5
EA-6B	84	PdE	2,239.6	2,747.8	38	4,900.2	7,456.8	126	7,139.8	10,204.6	164	38.0	49.7
F-14D	89	PdE	21,543.5	25,021.9	527	-15,382.8	-18,447.1	-472	6,160.7	6,574.8	55	-44.1	-45.5
F/A-18 C/D	75	DE	8,016.6	12,875.3	811	7,266.8	29,519.6	357	15,283.4	42,394.9	1,168	56.2	176.2
F/A-18 E/F	92	PE	1,334.0	3,97									

**Program Acquisition Cost Summary In Millions Of Dollars**  
**As Of Date: December 31, 1991**

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	Cost		Quantity				
			Base Year \$	Current Year \$		Base Year \$	Current Year \$		Base Year \$	Current Year \$		Base Year \$	Current Year \$					
MK 50 TORPEDO	89	DE	5,548.3	6,653.7	7,851	833.5	1,406.8	-	6,381.8	8,060.5	7,851	14.1	20.3					
PHALANX CIWS	84	PdE	2,176.2	2,481.7	620	780.2	534.0	71	2,956.4	3,015.7	691	24.7	11.6					
PHOENIX (AIM-54C)	77	DE	372.0	464.3	735	1,104.3	2,608.8	1,793	1,476.3	3,073.1	2,528	-12.7	-33.7					
SLAT	89	DE	372.4	367.8	59	-118.5	-119.4	-44	253.9	248.4	15	-25.1	-25.0					
SSN 21 / AN/BSY-2	90	PdE	20,119.9	21,739.1	12	-12,694.9	-14,217.5	-11	7,425.0	7,521.6	1	51.4	152.1					
SSN 688	71	DE/PdE	5,126.8	5,747.5	32	6,610.9	22,321.1	30	11,737.7	28,068.6	62	9.1	0.1					
STD MSL 2	84	PdE	6,571.6	8,052.8	10,778	2,481.2	3,668.0	3,899	9,052.8	11,720.8	14,677	7.5	12.1					
T-AO FLEET OILER	84	PdE	2,607.7	3,190.7	17	45.4	-254.4	1	2,653.1	2,936.3	18	-4.4	-12.8					
T45TS	84	PE	3,754.6	5,462.0	304	742.9	934.8	-34	4,497.5	6,396.8	270	26.3	24.9					
TOMAHAWK	77	DE	1,806.4	2,422.9	1,163	3,478.5	8,722.7	2,959	5,284.9	11,145.6	4,122	18.3	9.9					
TRIDENT II MSL	83	PdE	26,556.3	35,518.5	845	-1,061.0	1,268.2	-38	25,495.3	36,786.7	807	-2.0	8.2					
TRIDENT II SUB	83	PdE	10,548.9	14,085.2	7	1,960.9	217.3	3	12,509.8	14,302.5	10	-16.1	-29.8					
UHF FOLLOW-ON	88	PdE	1,479.1	1,716.1	10	25.5	108.3	-	1,504.6	1,824.4	10	1.8	6.3					
V-22	86	DE	23,073.0	29,662.3	913	-19,856.0	-26,075.2	-913	3,217.0	3,587.1	-	-58.6	-62.2					
Subtotal			234,759.3	301,197.2		7,281.8	63,629.1		242,041.1	364,826.3		3.2	9.7					
<b>USAF:</b>																		
ACM	83	PdE	5,197.5	6,665.4	1,461	-1,253.5	-1,703.2	-821	3,944.0	4,962.2	640	0.7	7.3					
AMRAAM	78	DE	4,761.8	11,591.6	24,335	940.5	2,057.1	-8,885	5,702.3	13,648.7	15,450	40.1	42.9					
ATARS	85	DE	974.8	1,292.5	560	-402.2	-495.2	-455	572.6	797.3	105	13.5	8.8					
AWACS RSIP	89	DE	571.8	689.9	34	13.3	18.7	-	585.1	708.6	34	2.3	2.7					
B-1B	81	PdE	20,500.0	29,537.6	100	-84.1	-1,867.1	-	20,415.9	27,670.5	100	-0.4	-6.3					
C-17A	81	PdE	22,395.3	41,811.9	210	-3,132.8	-6,009.9	-90	19,262.5	35,802.0	120	9.3	16.3					
CMU	89	DE	1,509.3	1,581.0	1	44.2	48.5	-	1,553.5	1,629.5	1	2.9	3.1					
DMSP	75	PdE	718.7	1,879.0	9	67.2	199.2	1	785.9	2,078.2	10	0.8	0.4					
DSP	78	DE	4,424.6	5,547.6	19	1,707.6	4,003.4	6	6,132.2	9,551.0	25	12.3	21.0					
F-16	75	DE	4,376.8	6,054.5	650	11,419.7	31,556.7	1,539	15,796.5	37,611.2	2,189	56.7	87.9					
F-22 (ATF)	90	PE	2/ 57,593.3	3/ 94,874.0	-	3,421.2	1,521.4	648	61,014.5	96,395.4	648	5.9	1.5					
IR MAVERICK	75	DE	995.1	1,592.9	31,078	291.2	1,567.7	-5,564	1,286.3	3,160.6	25,514	42.3	153.8					
IUS	75	DE	963.0	2,012.3	18	-82.5	-178.1	-8	880.5	1,834.2	10	20.6	36.8					
JSTARS	83	DE	4,728.8	6,741.9	21	87.9	628.8	-2	4,816.7	7,370.7	19	7.2	15.7					
JTIDS	81	DE	309.0	382.5	-	1,065.7	1,567.4	-	1,374.7	1,949.9	-	68.0	73.6					
KC-135R	81	PdE	5,229.1	7,829.2	334	-547.5	-718.3	63	4,681.6	7,110.9	397	-17.9	-8.9					
LANTIRN	80	DE	2,102.1	3,823.2	1,316	176.9	-3.7	-249	2,279.0	3,819.5	1,067	16.2	7.3					
NAVSTAR GPS	79	DE	1,599.4	2,306.7	40	797.5	2,033.8	25	2,396.9	4,340.5	65	19.3	34.2					
NAVSTAR USER EQMT	79	DE	2,554.9	4,875.8	27,339	422.8	1,644.4	50,574	2,977.7	6,520.2	77,913	25.6	41.2					
PEACEKEEPER	82	DE	16,634.9	21,680.2	223	-3,683.7	-5,495.8	-109	12,951.2	16,184.4	114	-1.1	4.9					
RAIL GARRISON	82	DE	4,678.2	6,826.8	50	-3,145.7	-4,787.5	-50	1,532.5	2,039.3	-	-38.7	-34.6					
SFW	79	DE/PdE	1,219.8	2,405.8	14,000	-44.7	460.0	-4,000	1,175.1	2,865.8	10,000	4.2	53.1					
SMALL ICBM	84	DE	33,711.0	44,727.9	623	-30,449.6	-41,052.8	-623	3,261.4	3,675.1	-	-86.9	-88.7					
SRAM II	83	DE	1,720.5	2,393.4	1,633	-1,061.1	-1,567.3	-1,633	659.4	826.1	-	-53.3	-55.8					
SRAM-T	83	DE	700.8	1,206.6	565	-639.0	-1,125.8	-565	61.8	80.8	-	-91.2	-93.3					
TITAN IV	85	DE	2,150.5	2,529.2	10	13,671.3	20,144.8	55	15,821.8	22,674.0	65	83.6	96.7					
Subtotal			202,321.0	312,859.4		-10,399.4	2,447.2		191,921.6	315,306.6		-1.1	5.3					
<b>DOD:</b>																		
GPALS (SDS)	88	PE	20,877.7	27,632.4	-	652.5	865.0	-	21,530.2	28,497.4	-	3.1	3.1					
WAM	90	PdE	822.8	957.2	1	-103.0	-131.6	-	719.8	825.6	1	-12.5	-13.7					
Subtotal			21,700.5	28,589.6		549.5	733.4		22,250.0	29,323.0		2.5	2.6					
Grand Total			533,211.7	733,225.0		19,848.6	127,176.8		553,060.3	860,401.8		4.4	13.4					

<sup>1/</sup> ARMY total excludes ASAS, BAT, and STINGRAY programs due to classified costs.

<sup>2/</sup> Includes \$43,710.0 M of procurement/MILCON approved at Milestone II.

<sup>3/</sup> Includes \$79,580.0 M of

**Distribution of Cost Changes (Base-Year Constant Dollars)**  
**As Of Date: December 31, 1991**

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	
<b>ARMY:</b>																
ADATS (FAADS LOS-F-H)	89	-2669.2	-3363.7	-3801.8	-3761.5	-82.7	-82.7	3336.2	3314.1	-	-	-600.8	-586.0	-3818.3	-4479.8	
ADDS	83	-6.3	-414.5	-5.9	20.1	-	-264.2	-13.1	354.9	-	-	8.7	-89.8	-16.6	-393.5	
AFATDS	90	-	-	-	-	-	-	3.3	3.3	-	-	-3.3	105.8	-	109.1	
AH-64 (APACHE)	72	8.9	541.6	-4.6	136.2	-	90.0	17.9	918.4	-	-80.9	-3.6	408.8	18.6	2014.1	
ASM	90	-	-	71.9	71.9	489.7	489.7	-1634.7	275.1	-	-	-	-	-1073.1	836.7	
ATACMS	91	13.1	13.1	-	-	-	-	24.5	24.5	-	-	1.2	1.2	38.8	38.8	
AVENGER (FAADS LOS-R)	89	-	344.7	3.7	4.5	-	-	20.9	148.0	-	-	11.6	122.7	36.2	619.9	
BRADLEY FVS	72	-	884.5	-	92.9	-1.4	642.8	-2.6	903.7	-	11.0	9.0	434.1	5.0	2969.0	
CH-47D (CHINOOK)	75	9.3	235.6	-	41.4	-	-	3.9	191.4	-	-	-4.7	52.7	8.5	521.1	
COMANCHE (LH)	84	-	-	0.1	0.1	-	301.3	-766.2	349.3	-	-	-	-	-766.2	795.8	
CSSCS	91	-	-	-	-	-	-	-0.3	-0.3	-	-	-	-	-0.2	-0.2	
FAAD C2I	87	-176.4	-55.8	-12.2	18.9	-3.7	-3.7	-80.6	89.9	-	-	-115.1	-128.7	-388.0	-79.4	
FAADS NLOS (FOG-M)	89	-	-1739.0	-	-45.4	-	-	-39.6	-41.2	-	-123.6	-	-189.6	-39.6	-2138.8	
FMTV	89	-	1191.5	-0.3	-321.6	-	-	626.3	2694.6	-	-	-121.0	252.2	505.0	3816.7	
JAVELIN (AAWS-M)	90	-	-	-	97.1	-0.9	40.4	45.6	79.2	-	-	21.2	224.1	65.9	440.8	
JSTARS GSM	89	137.7	37.9	-	-	20.1	20.1	17.5	-62.3	-	-	71.9	41.4	247.2	37.1	
KIOWA WARRIOR	82	22.3	-631.2	-	75.0	38.2	459.9	4.3	169.8	-	-	-23.3	-30.5	41.5	43.0	
LASER HELLFIRE	75	-7.8	170.4	71.5	103.7	20.7	253.3	-64.6	-6.9	-	-	3.8	1.8	23.6	522.3	
LONGBOW APACHE	91	-	-	-	-	-	-	70.2	70.2	-	-	-2.0	-2.0	68.2	68.2	
LONGBOW HELLFIRE	91	-	-	-	-	-	-	23.6	23.6	-	-	-	-	23.6	23.6	
M1 ABRAMS TANK	89	76.1	8845.6	-	103.3	44.8	1492.1	-3412.2	2673.8	-	-	3338.9	3235.6	47.6	16350.4	
MLRS	78	-0.6	786.1	-	-27.5	-	44.5	23.5	71.4	-	10.0	-21.8	24.0	1.1	908.5	
MLRS-TGW	84	-	-	-	-5.6	-	1.3	21.0	69.3	-	-	-	-	21.0	65.0	
MSE	86	-	69.3	-	-	-	-	139.4	-591.8	-	-	13.4	-3.3	152.8	-525.8	
PATRIOT	72	79.1	-1040.6	-	674.7	2.6	-287.6	41.2	779.0	-	24.5	-33.1	385.7	89.8	535.7	
PLS	91	-34.2	-568.5	-	-	-	-	-0.5	42.5	-	-	-7.3	-81.5	-42.0	-607.5	
SADM	89	-	1521.6	-0.1	188.4	-	-	27.7	-100.3	-	-	-4.4	0.4	23.2	1610.1	
SINCGARS	84	-	-1557.3	-	43.9	-	13.8	-13.7	-101.4	-	-	1.9	-286.1	-11.8	-1887.1	
STINGER RMP	83	-402.2	-679.7	-72.4	76.4	-	3.7	475.9	-481.9	-	-	13.1	-35.9	14.4	-1117.4	
TOW 2	84	18.5	253.3	6.7	40.5	-178.5	224.2	47.9	-109.4	-	-	-38.4	-6.5	-143.8	402.1	
UH-60A/L (BLACKHAWK)	71	-	242.4	-	-99.1	-	55.2	34.6	879.4	-	13.4	-30.2	-173.1	4.4	918.2	
Subtotal		-2931.7	5087.3	-3743.4	-2326.5	348.9	3494.1	-1022.7	12629.9	-	-145.6	2485.7	3677.5	-4863.2	22416.7	
<b>NAVY:</b>																
AAAM	85	-	-	-	-	-	-	-861.0	-861.0	-	-	-	-	-861.0	-861.0	
AN/BSY-1	84	-	-57.0	-	13.2	-	29.6	1.0	-21.1	-	-866.5	2.8	-676.3	3.8	-1578.1	
AN/SQQ-89	85	-126.5	-779.7	-79.3	303.0	-44.0	176.4	176.8	453.4	-	-98.7	-170.7	-171.7	-17.6	-	
AN/SQY-1	85	-	-	-	142.6	-	-350.5	-	393.3	-838.9	-838.9	-	-	-838.9	-653.5	
AOE 6	86	-	-979.0	-	100.1	-	-	22.3	538.7	-	-	5.3	-18.4	27.6	-358.6	
ASPJ	84	-	-	-	21.8	-	40.8	-32.9	259.1	-	-	-	-	-32.9	321.7	
AV-8B	79	36.3	-544.2	19.8	734.0	86.4	442.3	-0.8	-1468.8	-	-	2.2	13.1	143.9	-823.6	
C/MH-53E	73	-4.9	994.4	-	-15.6	-7.0	-53.5	-11.2	213.5	-	2.4	24.8	236.9	1.7	1378.1	
CG 47	78	-	5491.4	-	-2.6	-	571.9	86.1	-1184.8	-	-	12.1	208.3	98.2	5084.2	
CV HELO (SH-60F)	88	-	-	-	15.0	41.3	169.1	-185.1	164.8	-	-	12.4	116.8	-131.4	465.7	
CVN-72/73	82	-	-	-	-	-	-	25.7	-20.1	-	-	-4.6	-14.7	21.1	-34.8	
CVN-74/75	88	-	-	-	-124.1	-	-	243.1	218.1	-	-	0.4	131.2	243.5	225.2	
CVN-76	95	-	-	-	-	-	-	-70.1	-70.1	-	-	-0.5	-0.5	-70.6	-70.6	
DDG 51	87	-	16337.2	-	-	-48.1	688.0	816.8	-7.8	-	-	102.6	753.8	871.3	17771.2	
E-2C	85	-211.3	267.5	-17.0	80.4	-5.2	78.9	2859.1	3025.7	-	-819.3	-657.1	1806.3	2795.4	-	
E-6A (TACAMO)	82	-	41.1	-	-5.3	-	-9.5	65.6	124.6	-	8.2	3.2	-122.3	68.8	36.8	
EA-6B	84	-	2933.8	-	248.0	-	0.4	328.7	882.6	-	-140.6	835.4	188.1	4900.2	-	
F-14D	89	-	-10528.7	-	-99.2	-	1.3	-11.0	-1622.1	-	-	58.8	-3134.1	47.8	-15382.8	
F/A-18 C/D	75	-	1768.1	-111.7	1083.5	-0.3	1022.8	116.1	2283.0	-	4.5	-448.3	1104.9	-444.2	7266.8	
F/A-18 E/F	92	-	-	-	-	-	-	404.6	404.6	-	-	-	-	404.6	404.6	
FDS	88	-1553.3	-3047.3	-	-	-	-	-172.1	-418.5	-	-	-535.7	-423.5	-2261.1	-3889.3	
HARM	78	-255.8	456.5	30.0	574.9	-0.3	155.6	-70.7	147.3	-	-</					

**Distribution of Cost Changes (Base-Year Constant Dollars)**  
**As Of Date: December 31, 1991**

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	This Qtr	To Date
<b>NAVY:</b>																	
MK 50 TORPEDO	89	-	44.4	-	1194.8	-	32.9	-752.0	-746.7	-	-	367.9	308.1	-384.1	833.5		
PHALANX CIWS	84	39.5	195.5	0.4	18.7	1.1	148.4	-13.1	349.1	-	-	10.5	68.5	38.4	780.2		
PHOENIX (AIM-54C)	77	4.6	1318.2	0.3	94.4	0.5	158.3	6.8	-560.1	-6.6	-6.6	-	100.1	5.6	1104.3		
SLAT	89	-630.7	-33.2	-	33.2	-	23.2	18.9	-10.3	-137.2	-137.2	-45.9	5.8	-794.9	-118.5		
SSN 21 / AN/BSY-2	90	-16892.7	-15215.9	-	4353.8	-	127.8	-1805.6	-601.4	-	-	-1106.6	-1359.2	-19804.9	-12694.9		
SSN 688	71	-	5628.0	-	14.6	-	523.6	77.6	264.0	-	-	4.3	180.7	81.9	6610.9		
STD MSL 2	84	-	1848.7	-330.6	85.0	-	469.4	785.3	-123.0	-	-	55.6	201.1	510.3	2481.2		
T-AO FLEET OILER	84	-	166.4	-	13.9	-	0.7	172.6	-138.4	-	-	4.8	30.6	177.4	45.4		
T45TS	84	-169.0	-193.7	-6.3	-407.1	17.1	600.5	52.5	636.3	-	-	48.6	106.9	-57.1	742.9		
TOMAHAWK	77	89.0	2661.0	-0.5	-163.2	-	1013.9	26.4	-752.0	-	-	-8.1	718.8	106.8	3478.5		
TRIDENT II MSL	83	-	-541.6	-	-	-	-	37.3	-615.0	-	-	-27.1	95.6	10.2	-1061.0		
TRIDENT II SUB	83	-	4367.2	-	-	-	-	222.0	-2344.9	-	-	-5.5	-61.4	216.5	1960.9		
UHF FOLLOW-ON	88	89.3	-1.2	11.7	2.5	-	-	11.6	24.2	-	-	-	-	112.6	25.5		
V-22	86	-	-15310.5	-	-	-	-	436.5	430.5	-	-	-	-4976.0	436.5	-19856.0		
Subtotal		-19302.5	-219.3	-482.5	9703.8	-399.9	5821.1	3390.6	-87.1	-982.7	-1834.1	-2635.0	-6102.6	-20412.0	7281.8		
<b>USAF:</b>																	
ACM	83	-602.9	-1279.1	-78.5	-36.9	-67.1	7.6	-140.4	344.2	-3.3	-3.3	-34.5	-286.0	-926.7	-1253.5		
AMRAAM	78	-	-692.5	58.7	150.1	53.9	196.6	127.8	1573.4	-	-	8.8	-287.1	249.2	940.5		
ATARS	85	-	-470.2	-	-	-	90.0	-4.3	67.2	-	-11.9	4.3	-77.3	-	-402.2		
AWACS RSIP	89	-	-	-	-1.0	-	1.4	17.2	20.4	-	-	3.8	-7.5	21.0	13.3		
B-1B	81	-	-	-174.9	-188.1	30.8	325.7	76.1	95.2	-	-	67.1	-316.9	-0.9	-84.1		
C-17A	81	-	-4778.3	-	-	-	10.7	332.9	2379.8	-	-	167.7	-745.0	500.6	-3132.8		
CMU	89	-	-	-	-	-	-	-10.2	-14.9	-	-	31.4	59.1	21.2	44.2		
DMSP	75	-	61.2	-	-	-	-30.0	59.5	6.8	-	-	13.3	29.2	72.8	67.2		
DSP	78	-177.7	1033.8	-	-	-	-	51.6	332.9	-	-	13.9	340.9	-112.2	1707.6		
F-16	75	-	5706.3	-	200.7	-	3459.3	81.0	-827.6	-	40.1	0.1	2840.9	81.1	11419.7		
F-22 (ATF)	90	-	7.1	-	-	-	-97.2	1935.1	2284.4	-	-	853.7	1226.9	2788.8	3421.2		
IR MAVERICK	75	214.4	-91.4	18.5	282.8	-	12.0	-125.7	44.0	-	-	2.8	43.8	110.0	291.2		
IUS	75	-59.5	-233.2	-	-	-	41.8	37.1	72.2	-	-	38.2	36.7	15.8	-82.5		
JSTARS	83	-	-234.2	-	56.9	-	-162.1	-50.0	459.1	-	-	41.4	-31.8	-8.6	87.9		
JTIDS	81	-	509.1	-	-1.5	-	243.8	5.0	275.7	-	-	-	38.6	5.0	1065.7		
KC-135R	81	-1778.4	470.4	-	-	-	-	40.1	-847.9	-	-	-403.6	-170.0	-2141.9	-547.5		
LANTIRN	80	-	-140.8	-	27.8	-	-30.1	0.2	211.4	-	-	6.4	108.6	6.6	176.9		
NAVSTAR GPS	79	-	410.5	-	7.0	11.2	399.6	-29.1	-242.2	-	-	7.5	222.6	-10.4	797.5		
NAVSTAR USER EQMT	79	20.9	-184.5	30.5	82.3	3.5	-21.3	25.4	368.3	-	-	190.5	178.0	270.8	422.8		
PEACEKEEPER	82	-247.3	-3533.9	2.9	20.5	-46.6	-437.5	180.9	1567.9	-	-	98.7	-1300.7	-11.4	-3683.7		
RAIL GARRISON	82	-	-2179.8	-	116.0	-	45.6	-330.5	-525.4	-	-	-	-602.1	-330.5	-3145.7		
SFW	79	-261.3	-92.5	-	96.7	-	-	-23.0	-46.6	-	-	-2.0	-2.3	-286.3	-44.7		
SMALL ICBM	84	-	-8744.4	-	-	-	175.1	-2522.3	-2506.8	-	-6210.7	-	-13162.8	-2522.3	-30449.6		
SRAM II	83	-	-308.7	-	-	-	114.2	4.6	22.3	-781.8	-781.8	-85.6	-107.1	-862.8	-1061.1		
SRAM-T	83	-	-	-	-	-	-	0.7	0.7	-606.8	-606.8	-32.9	-32.9	-639.0	-639.0		
TITAN IV	85	-	6465.0	606.8	606.8	236.3	-1096.0	825.9	4543.0	-	-	1002.7	3152.5	2671.7	13671.3		
Subtotal		-2891.8	-8300.1	464.0	1420.1	222.0	3249.2	565.6	9657.5	-1391.9	-7574.4	1993.7	-8851.7	-1038.4	-10399.4		
<b>DOD:</b>																	
GPALS (SDS)	88	-	-	-	-	-	-	-583.7	652.5	-	-	-	-	-583.7	652.5		
WAM	90	-	-	-	-	-	-	-103.0	-103.0	-	-	-	-	-103.0	-103.0		
Subtotal		-	-	-	-	-	-	-686.7	549.5	-	-	-	-	-686.7	549.5		
Grand Total		-25126.0	-3432.1	-3761.9	8797.4	171.0	12564.4	2246.8	22749.8	-2374.6	-9554.1	1844.4	-11276.8	-27000.3	19848.6		

**Distribution of Cost Changes (Current-Year Dollars)**  
**As Of Date: December 31, 1991**

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	This Qtr	To Date
<b>ARMY:</b>																		
ADATS (FAADS LOS-F-H)	-736.0	2.7	-4278.1	-5881.8	112.9	1209.3	-113.2	-113.2	7.3	22.7	-	-	-816.5	-663.0	-5823.6	-5423.3		
ADD5	-62.8	-275.4	-13.2	-677.0	-69.6	466.5	-	-370.8	-29.2	562.4	-	-	12.5	-52.6	-162.3	-346.9		
AFATDS	-30.0	-14.9	-	-	-7.9	21.3	-	-	3.2	3.2	-	-	-8.9	146.0	-43.6	155.6		
AH-64 (APACHE)	-18.6	708.2	35.8	1453.6	-	607.6	-	256.1	51.5	3576.3	-	-238.9	-13.9	1595.4	54.8	7958.3	1151.5	
ASM	-149.6	8.4	-	-	88.0	88.0	648.2	648.2	-2394.1	406.9	-	-	-	-	-	-1807.5	1151.5	
ATACMS	-9.6	-9.6	15.3	15.3	-4.3	-4.3	-	-	28.8	28.8	-	-	1.5	1.5	31.7	31.7		
AVENGER (FAADS LOS-R)	-57.3	27.0	-	519.8	9.0	20.0	-	-	23.4	194.3	-	-	23.7	203.7	-1.2	964.8		
BRADLEY FVS	-24.1	-210.0	-	2670.8	-	762.0	-5.5	1880.1	-11.8	3075.5	-	17.9	38.1	1383.0	-3.3	9579.3		
CH-47D (CHINOOK)	-5.5	213.9	27.2	776.2	-	-7.6	-	-	6.2	695.5	-	-	-8.4	114.4	19.5	1792.4		
COMANCHE (LH)	-71.8	84.4	-	-	-	265.4	-	455.4	-1142.0	477.3	-	-	-	-	-	-1213.8	1282.5	
CSSCS	-3.7	-3.7	-	-	0.3	0.3	-	-	1.3	1.3	-	-	-	-	-	-2.1	-2.1	
FAAD C2I	-222.9	7.1	-211.2	-77.2	46.4	78.4	-7.7	-7.7	-390.0	345.7	-	-	-170.7	-103.6	-956.1	242.7		
FAADS NLOS (FOG-M)	-0.9	196.9	-	-2243.6	-	-49.8	-	-	-43.7	-44.9	-	-146.7	-	-242.6	-44.6	-2530.7		
FMTV	-1046.2	1150.1	-	3633.7	124.9	1008.1	-	-	1295.1	5458.5	-	-	-222.2	740.6	151.6	11991.0		
JAVELIN (AAWS-M)	-151.5	141.7	-	-	-12.9	558.8	-1.0	51.4	68.2	138.0	-	-	28.6	303.4	-68.6	1193.3		
JSTARS GSM	-3.1	130.4	247.1	54.7	-	-	22.3	22.3	51.2	-80.2	-	-	118.3	72.2	435.8	199.4		
KIOWA WARRIOR	-14.1	-307.6	36.2	-923.1	-	185.9	67.3	751.4	6.4	228.0	-	-	-41.5	-65.7	54.3	-131.1		
LASER HELLFIRE	-42.0	141.9	-96.8	435.1	310.2	653.2	105.4	708.6	-219.8	-274.8	-	-	11.1	31.4	68.1	1695.4		
LONGBOW APACHE	-57.5	-57.5	-	-	-	-	-	-	83.5	83.5	-	-	-0.3	-0.3	25.7	25.7		
LONGBOW HELLFIRE	-55.2	-55.2	-	-	-	-	-	-	33.4	33.4	-	-	-	-	-21.8	-21.8		
M1 ABRAMS TANK	-42.9	-972.5	87.3	8148.9	1.6	806.3	50.6	1543.1	-3215.7	3185.2	-	-	3140.7	3080.6	21.6	15791.6		
MLRS	-66.5	803.7	-9.4	1799.0	-1.3	18.0	-	103.4	75.9	310.5	-	18.6	-55.0	136.0	-56.3	3189.2		
MLRS-TGW	-0.2	-8.7	-	-	-	-4.2	-	1.5	26.3	102.9	-	-	-	-	26.1	91.5		
MSE	-180.5	-2.1	-	83.0	-	-	-	-	174.9	-644.0	-	-	8.4	-11.3	2.8	-574.4		
PATRIOT	-19.1	2304.3	311.2	-580.3	-	2349.7	10.0	-93.2	96.3	1870.6	-	27.6	-60.3	1018.1	338.1	6896.8		
PLS	-23.5	119.6	-40.8	-715.3	-	48.6	-	-	1.6	53.1	-	-	-9.2	-84.3	-71.9	-578.3		
SADM	-117.9	691.1	-	1396.2	3.7	978.6	-	-	44.0	-278.5	-	-	-5.2	1.9	-75.4	2789.3		
SINCgars	-53.6	150.8	-	-2657.8	13.1	720.3	-	16.3	-24.0	-341.5	-	-	5.6	-378.0	-58.9	-2489.9		
STINGER RMP	-6.3	12.3	-661.9	-968.0	-139.0	102.7	-	3.7	802.7	-569.4	-	-	20.6	-42.0	16.1	-1460.7		
TOW 2	-10.3	-55.2	27.3	365.9	27.0	129.4	-294.6	227.8	84.1	-131.6	-	-	-72.3	-10.5	-238.8	525.8		
UH-60A/L (BLACKHAWK)	-86.5	1626.6	-	882.6	-	-43.0	-	233.9	150.3	3421.7	-	19.9	-104.1	236.8	-40.3	6378.5		
<b>Subtotal</b>	<b>-3369.7</b>	<b>6548.7</b>	<b>-4524.0</b>	<b>7510.7</b>	<b>502.1</b>	<b>10969.5</b>	<b>481.8</b>	<b>6318.3</b>	<b>-4354.7</b>	<b>21910.4</b>	<b>-</b>	<b>-301.6</b>	<b>1820.6</b>	<b>7411.1</b>	<b>-9443.9</b>	<b>60367.1</b>		
<b>NAVY:</b>																		
AAAM	-1.7	-1.7	-	-	-	-	-	-	-1278.9	-1278.9	-	-	-	-	-1280.6	-1280.6		
AN/BSY-1	-5.8	-80.8	-	-62.1	-	15.5	-	34.0	1.4	-25.2	-	-1050.9	3.9	-1087.5	-0.5	-2257.0		
AN/SQQ-89	-67.7	139.8	-165.2	-949.4	-165.1	573.2	-42.1	215.6	348.7	550.6	-	-136.8	-217.0	-228.2	312.8			
AN/SQY-1	-45.7	1.7	-	-	-	227.1	-	-465.4	-	568.8	-1153.1	-1153.1	-	-	-1198.8	-820.9		
AOE 6	-84.2	46.7	-	-1374.3	-	133.0	-	-	31.9	705.8	-	-	6.7	-27.2	-45.6	-516.0		
ASPJ	-2.6	-	-	-	-	25.4	-	-	52.1	-46.4	247.1	-	-	-	-49.0	324.6		
AV-8B	-13.2	-744.0	83.8	-1389.9	6.2	1417.0	179.3	929.2	45.9	-996.7	-	-	4.8	258.3	306.8	-526.1		
C/MH-53E	-51.2	122.8	-19.5	2868.8	1.5	226.6	-20.0	348.3	-55.0	278.6	-	3.0	104.1	642.5	-40.1	4490.6		
CG 47	-163.4	-1160.6	-	11739.0	-	435.4	-	980.6	120.5	-3237.9	-	-	21.1	454.1	-21.8	9210.6		
CV HELO (SH-60F)	-104.8	103.0	-	-	-	106.0	64.0	221.1	-262.8	207.9	-	-	20.3	208.3	-283.3	846.3		
CVN-72/73	-	-889.9	-	-	-	-	-	-	-7.3	-348.2	-	-	-7.0	-24.6	-14.3	-1262.7		
CVN-74/75	-173.7	-134.2	-	-	-	-644.4	-	-	260.2	245.0	-	-	1.1	169.6	87.6	-364.0		
CVN-76	-21.0	-21.0	-	-	-	-	-	-	-75.7	-75.7	-	-	-1.3	-98.0	-98.0	-98.0		
DD																		

**Distribution of Cost Changes (Current-Year Dollars)**  
**As Of Date: December 31, 1991**

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	This Qtr	To Date
<b>NAVY:</b>																		
T45TS	-90.3	-471.7	-317.8	-341.6	-30.7	-244.5	14.1	835.4	75.1	856.6	-	-	92.0	300.6	-257.6	934.8		
TOMAHAWK	-59.4	-1735.7	264.0	7721.4	-60.4	112.0	-	2343.7	96.3	-1496.6	-	-	-22.2	1777.9	218.3	8722.7		
TRIDENT II MSL	-617.8	1541.7	-	-1528.5	114.7	1414.5	-	-	-10.9	-591.3	-	-	-6.2	431.8	-520.2	1268.2		
TRIDENT II SUB	-251.6	-3000.9	-	6288.6	-	-	-	-	283.3	-2953.6	-	-	-5.6	-116.8	26.1	217.3		
UHF FOLLOW-ON	-27.4	53.8	113.5	-	-	-	-	-	13.7	54.5	-	-	-	-	99.8	108.3		
V-22	-5.3	-8.1	-	-20172.5	-	8.4	-	-	550.0	531.9	-	-	-	-6434.9	544.7	-26075.2		
Subtotal	-8001.5	-9916.2	-25636.3	31446.0	-1984.7	28923.8	-565.1	13158.1	4053.2	3631.5	-1312.9	-2354.3	-5199.2	-1259.8	-38646.5	63629.1		
<b>USAF:</b>																		
ACM	-69.2	194.1	-971.1	-2042.1	-123.8	142.1	-95.7	5.6	-229.2	366.4	-	-	-61.8	-369.3	-1550.8	-1703.2		
AMRAAM	-270.0	-1163.5	-	-2038.6	293.0	2168.3	143.0	442.4	338.9	3235.1	-	-	31.4	-586.6	536.3	2057.1		
ATARS	-16.2	-31.1	-	-559.9	-	-	-	119.4	-8.4	102.5	-	-16.4	13.2	-109.7	-11.4	-495.2		
AWACS RSIP	-12.8	-6.7	-	-	-	3.9	-	2.3	22.4	24.5	-	-	4.2	-5.3	13.8	18.7		
B-1B	-24.1	-1736.2	-	-	-374.4	-355.1	50.9	538.3	113.8	-234.6	-	-	129.9	-79.5	-103.9	-1867.1		
C-17A	-751.5	-365.0	-	-11039.0	305.1	1884.4	-	21.9	534.1	4794.3	-	-	439.9	-1306.5	527.6	-6009.9		
CMU	-14.8	-9.0	-	-	-	-	-	-	-12.3	-17.5	-	-	39.6	75.0	12.5	48.5		
DMSP	-20.0	-126.6	-	190.2	-	1.9	-	-84.0	203.6	115.6	-	-	49.4	102.1	233.0	199.2		
DSP	-97.6	-96.9	-437.3	2349.0	-	156.6	-	-	143.3	889.1	-	-	32.4	705.6	-359.2	4003.4		
F-16	-188.7	1.0	-	13958.8	-	2305.5	-	9835.5	224.6	-1771.0	-	56.4	8.9	7170.5	44.8	31556.7		
F-22 (ATF)	-3487.6	-3533.6	-	92.9	-	831.7	-	-109.8	2527.9	2872.3	-	-	937.7	1367.9	-22.0	1521.4		
IR MAVERICK	-6.7	-155.3	640.3	-347.5	55.2	1872.2	-	32.0	-373.0	17.1	-	-	7.7	149.2	323.5	1567.7		
IUS	-12.8	-1.4	-209.5	-671.3	10.5	10.5	-	110.1	127.4	257.3	-	-	124.7	116.7	40.3	-178.1		
JSTARS	-160.2	502.1	-	-370.1	-	150.8	-	-361.1	10.7	826.9	-	-	-29.1	-119.8	-178.6	628.8		
JTIDS	-13.5	-38.3	-	740.9	-	22.8	-	352.7	7.2	433.2	-	-	-	56.1	-6.3	1567.4		
KC-135R	-265.0	115.2	-3875.8	-21.0	-20.0	914.1	-	-	78.9	-1491.5	-	-	-862.3	-235.1	-4944.2	-718.3		
LANTIRN	-15.3	-303.6	-	-265.0	-	53.0	-	-29.3	0.5	341.2	-	-	11.6	200.0	-3.2	-3.7		
NAVSTAR GPS	-61.4	2.2	-	927.3	-	630.7	22.5	635.6	-51.1	-732.0	-	-	18.6	570.0	-71.4	2033.8		
NAVSTAR USER EQMT	-128.9	7.4	63.9	-259.0	100.1	506.0	8.1	-46.8	96.4	782.4	-	-	512.4	654.4	652.0	1644.4		
PEACEKEEPER	-27.2	-602.3	-443.0	-6258.6	101.7	1161.6	-63.8	-678.7	226.0	2719.9	-	-	159.3	-1837.7	-47.0	-5495.8		
RAIL GARRISON	-16.8	266.7	-	-3707.5	-	220.3	-	122.5	-494.4	-756.2	-	-	-	-933.3	-511.2	-4787.5		
SFW	-180.3	172.8	-677.1	-534.5	255.3	955.7	-	-	-40.4	-131.5	-	-	-3.2	-2.5	-645.7	460.0		
SMALL ICBM	-90.3	279.6	-	-12146.9	-	-	-	250.0	-3668.8	-3637.7	-	-7490.1	-	-18307.7	-3759.1	-41052.8		
SRAM II	-39.6	86.0	-	-524.8	-	46.2	-	155.4	6.2	71.2	-1232.0	-1232.0	-143.1	-169.3	-1408.5	-1567.3		
SRAM-T	-34.6	-34.6	-	-	-	-	-	-	0.9	0.9	-1034.8	-1034.8	-57.3	-57.3	-1125.8	-1125.8		
TITAN IV	-375.1	232.7	-	8995.6	1130.3	1774.1	367.0	-1608.0	1314.0	6296.4	-	1844.3	4454.0	4280.5	20144.8			
Subtotal	-6380.2	-6344.3	-5909.6	-13531.1	1733.0	15457.3	432.0	9706.0	1099.2	15374.3	-2266.8	-9716.9	3208.4	-8498.1	-8084.0	2447.2		
<b>DOD:</b>																		
GPALS (SDS)	-752.0	-466.2	-	-	-	-	-	-	-1741.0	1331.2	-	-	-	-	-2493.0	865.0		
WAM	-5.5	-5.5	-	-	-	-	-	-	-126.1	-126.1	-	-	-	-	-131.6	-131.6		
Subtotal	-757.5	-471.7	-	-	-	-	-	-	-1867.1	1205.1	-	-	-	-	-2624.6	733.4		
Grand Total	-18508.9	-10183.5	-36069.9	25425.6	250.4	55350.6	348.7	29182.4	-1069.4	42121.3	-3579.7	-12372.8	-170.2	-2346.8	-58799.0	127176.8		

**Program Funding Status (Dollars in Millions)**

**As Of Date: December 31, 1991**

<b>Weapon System</b>	<b>Prior Years</b>	<b>FY 92 Budget</b>	<b>FY 93 Budget</b>	<b>Balance of Program</b>	<b>Total</b>
<b>ARMY:</b>					
ADATS (FAADS LOS-F-H)	495.1	107.3	-	-	602.4
ADDTS	572.9	66.7	40.7	2011.0	2691.3
AFATDS	174.8	69.2	54.4	909.3	1207.7
AH-64 (APACHE)	11310.6	136.9	149.5	151.1	11748.1
ASM	642.3	560.8	625.4	5514.1	7342.6
ATACMS	982.4	176.4	188.3	192.8	1539.9
AVENGER (FAADS LOS-R)	455.7	183.6	160.1	1432.1	2231.5
BRADLEY FVS	9672.5	108.6	112.9	122.2	10016.2
CH-47D (CHINOOK)	3071.7	254.0	13.7	15.8	3355.2
COMANCHE (LH)	1223.7	538.8	443.0	1210.0	3415.5
CSSCS	20.8	21.8	17.7	228.3	288.6
FAAAD C2I	464.1	92.8	79.3	1470.2	2106.4
FAADS NLDS (FOG-M)	389.7	-	-	-	389.7
FMTV	129.4	181.5	294.1	19954.6	20559.6
JAVELIN (AAWS-M)	438.0	119.8	109.7	4462.3	5129.8
JSTARS GSM	374.4	68.6	67.4	980.6	1491.0
KIOWA WARRIOR	1731.4	238.1	105.5	325.5	2400.5
LASER HELLFIRE	2089.2	40.4	108.4	160.8	2398.8
LONGBOW APACHE	655.0	130.9	195.8	2214.7	3196.4
LONGBOW HELLFIRE	61.2	101.3	86.0	1920.0	2168.5
M1 ABRAMS TANK	20143.3	144.2	88.2	195.3	20571.0
MLRS	5218.9	206.5	230.8	987.0	6643.2
MLRS-TGW	256.2	46.5	-	-	302.7
MSE	4274.7	72.5	58.5	153.9	4559.6
PATRIOT	11912.4	156.1	29.3	39.5	12137.3
PLS	211.9	106.3	326.1	774.3	1418.6
SADM	592.7	150.0	98.5	3734.9	4576.1
SINCGARS	1135.1	287.6	223.3	1475.8	3121.8
STINGER RMP	1439.6	38.2	9.5	13.2	1500.5
TOW 2	2478.5	252.1	188.1	230.9	3149.6
UH-60A/L (BLACKHAWK)	6660.0	507.5	428.3	1090.0	8685.8
Subtotal	89278.2	5165.0	4532.5	51970.2	150945.9
<b>NAVY:</b>					
AAAM	219.9	88.5	-	-	308.4
AN/BSY-1	1400.8	45.7	32.7	91.4	1570.6
AN/SQQ-89	2999.3	404.1	182.3	874.7	4460.4
AN/SQY-1	131.8	-	-	-	131.8
AOE 6	1627.4	534.0	29.1	128.3	2318.8
ASPJ	521.9	1.5	7.5	30.1	561.0
AV-8B	8333.5	248.9	11.1	5.9	8599.4
C/MH-53E	3455.1	511.1	527.4	575.4	5069.0
CG 47	23097.2	75.9	103.6	17.4	23294.1
CV HELO (SH-60F)	1386.6	285.7	316.8	2031.0	4020.1
CVN-72/73	6118.6	30.2	7.4	-	6156.2
CVN-74/75	6311.1	130.0	11.6	149.3	6602.0
CVN-76	1.8	8.0	840.2	3349.2	4199.2
DDG 51	14443.2	4236.7	3583.8	23647.8	45911.5
E-2C	6022.7	534.9	102.9	29.1	6689.6
E-6A (TACAMO)	2155.3	8.1	-	-	2163.4
EA-6B	3529.0	141.2	626.3	5908.1	10204.6
F-14D	5864.8	317.3	244.3	148.4	6574.8
F/A-18 C/D	29288.0	2294.0	1935.8	8877.1	42394.9
F/A-18 E/F	8.0	351.1	1079.9	3670.9	5109.9
FDS	610.2	237.6	154.5	575.6	1577.9
HARM	5649.0	340.1	261.0	-	6250.1
HARPOON	3707.8	37.2	-	-	3745.0
LAMPS MK III(SH-60B)	4671.3	301.2	311.0	2585.2	7868.7
LCAC	1947.2	298.7	4.6	21.9	2272.4
LHD 1	5053.8	18.7	36.0	1297.0	6405.5
LSD 41 CARGO VARIANT	745.2	25.0	13.5	41.0	824.7
MCM 1	1741.6	19.5	15.1	11.8	1788.0
MK 48 ADCAP	3354.3	327.6	222.5	5161.8	9066.2
MK 50 TORPEDO	2482.9	295.2	266.9	5015.5	8060.5

**Program Funding Status (Dollars in Millions)**

**As Of Date: December 31, 1991**

<b>Weapon System</b>	<b>Prior Years</b>	<b>FY 92 Budget</b>	<b>FY 93 Budget</b>	<b>Balance of Program</b>	<b>Total</b>
<b>NAVY:</b>					
PHALANX CIWS	2485.0	71.5	48.7	410.5	3015.7
PHOENIX (AIM-54C)	3073.1	-	-	-	3073.1
SLAT	245.8	2.6	-	-	248.4
SSN 21 / AN/BSY-2	6925.8	519.5	-	76.3	7521.6
SSN 688	27569.1	227.9	119.7	151.9	28068.6
STD MSL 2	6282.5	411.4	315.6	4711.3	11720.8
T-AO FLEET OILER	2881.8	23.1	19.4	12.0	2936.3
T45TS	1754.2	376.4	369.1	3897.1	6396.8
TOMAHAWK	8699.6	558.6	503.7	1383.7	11145.6
TRIDENT II MSL	18629.1	1208.1	999.4	15950.1	36786.7
TRIDENT II SUB	14096.1	129.1	12.0	65.3	14302.5
UHF FOLLOW-ON	869.9	253.1	311.0	390.4	1824.4
V-22	2782.1	805.0	-	-	3587.1
Subtotal	243173.4	16734.0	13626.4	91292.5	364826.3
<b>USAF:</b>					
ACM	4314.6	544.6	82.3	20.7	4962.2
AMRAAM	5230.8	794.0	915.1	6708.8	13648.7
ATARS	165.2	59.5	100.5	472.1	797.3
AWACS RSIP	179.4	117.7	72.1	339.4	708.6
B-1B	27026.3	63.9	305.6	274.7	27670.5
C-17A	8542.0	2263.5	3141.4	21855.1	35802.0
CMU	1039.6	138.1	185.2	266.6	1629.5
DMSP	1355.6	139.4	66.3	516.9	2078.2
DSP	6806.4	173.4	412.0	2159.2	9551.0
F-16	34180.7	1401.9	900.9	1127.7	37611.2
F-22 (ATF)	3976.3	1621.0	2224.3	88573.8	96395.4
IR MAVERICK	3155.1	5.5	-	-	3160.6
IUS	1357.3	67.1	64.1	345.7	1834.2
JSTARS	1480.0	497.9	743.7	4649.1	7370.7
JTIDS	1448.0	165.2	108.1	228.6	1949.9
KC-135R	6224.2	585.0	301.7	-	7110.9
LANTIRN	3804.0	7.1	5.9	2.5	3819.5
NAVSTAR GPS	2481.5	240.0	309.2	1309.8	4340.5
NAVSTAR USER EQMT	1839.8	269.5	355.4	4055.5	6520.2
PEACEKEEPER	15985.0	197.4	1.0	1.0	16184.4
RAIL GARRISON	2029.2	10.1	-	-	2039.3
SFW	216.1	95.7	18.6	2535.4	2865.8
SMALL ICBM	3510.5	164.6	-	-	3675.1
SRAM II	826.1	-	-	-	826.1
SRAM-T	80.8	-	-	-	80.8
TITAN IV	7511.6	985.6	1258.2	12918.6	22674.0
Subtotal	144766.1	10607.7	11571.6	148361.2	315306.6
<b>DOD:</b>					
GPALS (SDS)	1550.6	1894.0	2658.2	22394.6	28497.4
WAM	243.9	106.8	93.9	381.0	825.6
Subtotal	1794.5	2000.8	2752.1	22775.6	29323.0
Grand Total	479012.2	34507.5	32482.6	314399.5	860401.8