WEAPON SYSTEM COST SUMMARY FACT SHEET
As of September 30, 1970
(Millions of Dollars)

Weapon System	(1) Development Estimate Total Program			(2) Quantity Change		(3) Adjusted Development Estimate Total Program			(4) Other Cost Growth		(5) Current Estimate Total Program		(6) Cost Changes in Current Estimate This Quarter	
	Quantity	Cost Total	Cost Unit	Quantity	Cost	Quantity	Cost Total	Cost Unit	Total	Pct.*	Total	Unit	Total	Unit
	(a)	(b)	(c)	(a)	(b)	(a)	(b)	(c)	(a)	(b)	(a)	(b)	(a)	(b)
ARMY														
CHEYENNE (R&D)	10	$ 126	$ 12.6	-	$ -	10	$ 126	$ 12.6	$+ 77	61%	$ 203	$ 20.3	$+ 1	$+ .1
LANCE (Battalions)	7	653	93.3	-	+ 2	7	655	93.3	+ 102	16	757	108.1	- 4	- .6
MBT-70	3,744	2,100	.561	- 1,344	- 602	2,400	1,498	.621	+ 718	48	2,216	.920	+ 390	+ .159
SAFEGUARD (Sites)	2	4,185	a/2.092	+ 1	+ 833	3	5,018	a/1.673	+ 1,106	22	6,124	a/2.041	+ 185	+ .062
SAM-D (Battery)	124	3,989	32.2	- 75	- 1,791	49	2,198	44.8	+ 1,639	75	3,837	78.3	+ 423	+ 8.6
SHILLELAGH	99,362	357	.004	-10,538	- 21	88,824	336	.004	+ 145	43	481	.005	- 15	- .001
NAVY														
A-7E	595	1,466	2.468	- 101	- 236	494	1,230	2.489	+ 622	51	1,852	3.749	+ 277	+ .009
F-14	469	6,166	13.146	+ 253	+ 2,054	722	8,220	11.385	+ 77	1	8,297	11.491	+ 18	+ .025
P-3C	194	1,294	12.444	+ 88	+ 971	192	2,265	11.798	+ 218	10	2,483	12.932	- 68	- .354
S-3A	200	2,891	14.528	-	-	199	2,891	14.528	+ 35	1	2,926	14.702	- 8	- .041
CONDOR	3,348	441	.132	- 3,170	- 280	178	161	.906	+ 18	11	179	1.007	- 172	+ .555
PHOENIX	2,364	536	.225	+ 1,195	+ 216	3,559	752	.210	+ 499	66	1,251	.350	- 250	- .069
POSEIDON	31b/	4,569	147.377	- c/	- 244c/	31	4,325	139.519	+ 873	20	5,198	167.694	+ 83	+ 2.685
SPARROW III E	35,077	741	.021	-26,415	- 448	8,662	293	.034	+ 18	6	311	.036	+ 18	+ .002
SPARROW III F	10,785	454	.042	+ 1,434	+ 114	12,219	568	.047	+ 458	81	1,026	.084	- 32	- .003
MK 48 Mod 0/1/2	5,450	714	.131	- 1,160	+ 119	4,290	833	.194	+ 2,137	256	2,970	.692	- 787	+ .054
SSN-688	10d/	1,658	165.800	+ 22	+ 3,485	32	5,143	160.713	+ 605	12	5,748	179.609	+1,468	+ 8.421
DD-963	30	2,581	86.040	-	-	30	2,581	86.040	+ 137	5	2,718	90.593	-1,459	+ 7.061
DLGN-38	4d/	769	192.300	+ 19	+ 3,211	23	3,980	173.043	+ 1,825	46	5,805	252.382	+ 315	+ 13.677
LHA	9	1,380	153.366	- 4	- 480	5	900	179.940	+ 85	9	985	196.960	- 443	+ 38.316
CVAN 68/69	2	1,218	595.8** 622.0***	-	-	2	1,218	595.8** 622.0***	-	-	1,218	595.8** 622.0***	+ 155	+ 51.6** +103.0***
AEGIS	-	428	-	-	-	-	428	-	+ 13	3	441	-	-	-
AIR FORCE														
A-7D	517	1,379	2.67	- 130	- 282	387	1,097	2.83	+ 309	28	1,406	3.63	+ 6	+ .01
B-1	246	10,108	41.09	-	-	246	10,108	41.09	+ 1,256	12	11,364	46.20	+1,256	+ .11
C-5A	120	3,413	28.44	- 39	- 736	81	2,677	33.05	+ 1,761	66	4,438	54.79	+ 129	+ 1.60
F-15	749	7,355	9.82	-	-	749	7,355	9.82	- 62	- 1	7,293	9.74	- 63	- .08
F-111A D E F	1,388	5,505	3.97	- 934	- 2,629	454	2,876	6.34	+ 3,533	123	6,409	14.12	+ 28	+ .07
FB-111A	204	1,731	6.75	- 187	- 1,043	77	738	9.59	+ 514	70	1,252	16.27	+ 45	+ .60
AWACS	42	2,662	63.37	-	-	42	2,662	63.37	-	-	2,662	63.37	-	-
MAVERICK	17,205	384	.022	- 6,000	- 64	11,205	320	.029	+ 35	11	355	.032	+ 11	+ .001
MINUTEMAN II	666	4,255	6.39	+ 2	+ 4	668	4,259	6.38	+ 122	3	4,381	6.56	- 85	- .13
MINUTEMAN III	700	4,674	6.15	- 62	- 155	638	4,519	6.47	+ 494	11	5,013	7.18	- 622	- .45
SRAM	720	237	.338	+ 1,200	+ 125	1,920	362	.191	+ 942	260	1,304	.686	+ 213	+ .112
SPARROW III E	22,740c/	529	.023	-12,497	- 291	10,243	238	.023	+ 4	2	242	.024	- 118	- .002
SPARROW III F	375c/	12	.031	+ 4,652	+ 144	5,027	156	.031	+ 152	97	308	.061	+ 242	- .033
PROGRAM COST SUMMARY														
Army		$ 11,410		$ -1,579			$ 9,831		$+ 3,787	39%		$ 13,618		$ + 980
Navy		27,306		+8,482			35,788		+ 7,620	21		43,408		- 885
Air Force		42,294		-4,927			37,367		+ 9,060	24		46,427		+1,042
Grand Total		$ 81,010		$ +1,976			$ 82,986		$+20,467	25%		$103,453		$+1,137

FOOTNOTES

* Column 4a divided by Column 3b.

** CVAN 68.

*** CVAN 69.

a/ Unit Cost is "cost per site," includes Perimeter Acquisition Radar, Missile Site Radar, missiles, etc.

b/ Includes 31 SSBN's and accompanying missiles, tenders, and range ships.

c/ Cost change due to reduction in number of missiles and range ships within the 31 SSBN force.

d/ Planning estimate; validation not completed.

e/ Planning Estimate; Development Estimate not applicable since Navy is procuring agency.

Source: Selected Acquisition Reports--As of September 30, 1970

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The t[illegible] presented on the opposite page reflects comparative data, by weapon system and in terms of p[illegible]am quantity and program acquisition cost, for all weapon systems currently reported each quarter to the Senate Preparedness Investigating Subcommittee (Stennis Committee). In general, the table reflects for each weapon system a comparison between the baseline or Development Estimate (DE) of the total program (Col. 1) and the Current Estimate (CE) of the total program (Col. 5), identifying differences between the two estimates i[illegible]ms of changes due solely to quantity adjustments (Col. 2) and changes due to all [illegible] reasons for cost growth (Col. 4). In addition, an Adjusted Development Es imate (Co[illegible] 3), based on Col. 1 plus or minus Col. 2, and Cost Changes in the Current Estimate This Quarter (Col. 6) are shown for comparative purposes. Each column is more specifically defined in the Insert below.

Specific comments on those weapon systems which experienced significant cost changes since the previous quarter follow:

MBT-70 - CE for total program has increased $390M since the previous report due to an increase in economic escalation of $261M and the transfer of $130M of Advance Production Engineering from "Additional Procurement Costs" section of the SAR to the "Program Acquisition Costs" section.

SAFEGUARD - The CE is up by a net of $185M reflecting increases of $455M in estimated inflation and $145M due to program stretchout, and a $413M decrease due chiefly to deletion from the development program of area defense and the missiles associated therewith.

SAM-D - CE increase of $423M is the result of recomputation of escalation ($399M in procurement, $24M in construction).

A-7E - CE is up by $277M due to the Navy's decision to add 73 planes to the program. This eliminates the previous production gap in FY 1973, and extends procurement through FY 1976.

CONDOR - Current program cost estimates are down by $172M since the previous report as a result of the Navy's redirection of this program, adding 30 OPEVAL missiles and deleting 630 production missiles.

MK 48 - CE is down by $787M due principally to a program cutback of 1,548 Mod 0's and 49 Mod 1's. An additional four month slippage in the concurrent Technical/Operational Evaluation completion date to October 1971, is attributed to the recent DSARC decision which generated changes in the testing program to insure a selection of the production torpedo early next year.

SSN-688 - CE is up by $1,468M, including $1,109M for one extra ship each in FY71 and FY72 and five in FY76, and $359M in repricing changes, using FY72 dollars in lieu of FY71 for the FY72--76 ships.

DD-963 - This program has been reduced by $1,459M and 20 ships to $2,718M for a 30 ship program to agree with the quantity in the recently awarded contract.

LHA - CE is down by $443M since the previous report due to Navy's deletion of ships six through nine.

CVAN 68/69 - The CE, based on the recently definitized contract and now the new baseline, is $1,218M for both ships, an increase of $155M attributed to higher escalation costs and engineering changes dictated by technological advances.

MINUTEMAN III - A net decrease of $622M in the CE reflects a reduction in quantity buy (41 missiles), reduced spares requirements, deletion of the new inertial measurement unit, and deletion of MINUTEMAN Integrated Command and Control System.

SRAM - A net increase of $213M in the CE reflects the results of completed negotiations for FY71 production, conversion of estimates to "Then Year" dollars, and settlement of Boeing/Lockheed claims.

SPARROW III E and SPARROW III F - A net decrease of $118M in the CE of the SPARROW E and a related net increase of $242M in the CE of the SPARROW F reflects the decision to cease procurement of the SPARROW E with the conclusion of the FY70 buy, and to utilize greater quantities of the more advanced SPARROW F missiles on both F-4E aircraft and the planned F-15 force.

B-1 - A net increase, since last quarter, of $1,256M in the CE reflects the conversion of procurement costs to "Then Year" dollars from Constant FY 1970 dollars.

Explanation of Columns - Summary Fact Sheet 1/

Column 1 - Development Estimate (DE)
Based on Col. 2 of the SAR and is estimate at the time of completion of Validation Phase.

Column 2 - Quantity Change
Based on Col. 3 of the SAR and represents the portion of cost change due to change in quantity.

Column 3 - Adjusted Development Estimate
Col. 1 of table + Col. 2.

Column 4 - Other Cost Growth
Also based on Col. 3 of the SAR and represents cost changes attributable to all other reasons except quantity (engineering, schedule, inflation, economic, etc.) (Page 8/9 Encl. 1 to DODI 7000.3).

Column 5 - Current Estimate Total Program
Based on Col. 4 of the SAR and is estimate "as of" the date of the report.

Column 6 - Cost Changes during Current Quarter
Derived by calculating difference between Current Estimate of previous quarter and that of present quarter.

1/ Data are derived from Section E, Program Acquisition Cost, of the Selected Acquisition Report (SAR), Page 5, Enclosure 2, DODI 7000.3, dated June 12, 1970.
Source: Selected Acquisition Reports--As of September 30, 1970.

OASD (Comptroller)
Directorate for Information Operations

30 Sept 1970

Sele Acquisition Reports, as of 30 September 1970
Distribution .. Cost Growth by Category (Other than Quantity Changes)

(Millions of Dollars)

ARMY

Weapon System	Engineering		Support		Schedule		Economic		Estimating		Unpre-dictable		Other a/		Normal System Growth	
	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
SAFEGUARD	--	6	+67	101	+143	280	+455	591	+ 52	128	--	--	--	--	+777	1,1[illegible]
MAT-70	-95	-119	+48	150	--	87	+285	447	+143	134	--	--	--	19	+351	715
SAM-D	--	10	--	-2	--	109	+441	586	-18	926	--	--	--	10	+423	1,63[illegible]
LANCE	--	--	--	7	+2	52	-4	16	-4	17	--	10	--	--	-6	[illegible] 10[illegible]
SHILLELAGH	-10	29	--	5	--	12	--	41	-1	58	--	--	--	--	-11	1[illegible]5
CHEYENNE	-3	27	--	7	--	--	+2	2	+1	33	--	7	+1	1	+1	77
TOTAL	-108	- 47	+115	268	+145	540	+1,179	1,683	+173	1,296	--	17	+1	30	+1,[illegible]	3,7[illegible]

a/ Includes cost growth due to contractor overruns, contract performance incentives, contingency provisions, etc.

Selected Acquisition Reports, as of 30 September 1970
Distribution of Cost Growth by Category (Other than Quantity Changes)

(Millions of Dollars)

Weapon System	Engineering		Support		Schedule		Economic		Estimating		Unpredictable		Other a/		Weapon System 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
A-7E	--	--	--	1	+134	621	--	--	-6	--	--	--	--	--	+128	622
F-1[illegible]	--	--	--	6	--	--	--	--	--	40	--	31	--	--	--	77
F-[illegible]	+[illegible]	1	-91	-201	-27	241	+ 21	170	--	--	--	--	--	7	-68	218
[illegible]A	+13	-7	-88	-81	+ 6	6	--	--	+ 60	116	--	--	+ 1	1	-8	35
[illegible]	-3	9	-16	-16	--	16	-34	1	-60	8	--	--	--	--	-113	1[illegible]
[illegible]	-11	--	--	--	+102	332	+117	117	--	--	-309	4	-68	46	-109	499
[illegible]	-5	25	+ 51	32	+ 17	40	+ 20	212	--	564	--	--	--	--	+ 83	873
[illegible] E	--	6	+ 14	14	--	2	-8	4	--	-8	--	--	--	--	+ 6	1[illegible]
[illegible] F	--	3	+ 1	8	-6	257	--	78	-27	75	--	37	--	--	-32	4[illegible]
K-[illegible]	+ 1	[illegible]2	+ 25	71	--	--	+ 2	3	-446	2,021	--	--	+ 1	20	-417	2,137
[illegible]	--	--	--	--	--	--	+359	605	--	--	--	--	--	--	+359	605
[illegible]	--	--	--	--	--	--	+137	137	--	--	--	--	--	--	+137	137
[illegible] 38	+805	805	--	--	--	--	+509	509	-1,089	421	--	--	--	--	+315	1,[illegible]
[illegible] A	--	--	--	--	--	--	+ 63	63	-26	22	--	--	--	--	+ 37	[illegible]
[illegible]	--	--	--	--	--	--	--	--	-116	--	--	--	--	--	-116	--
[illegible]	--	--	--	13	--	--	--	--	--	--	--	--	--	--	--	13
TOTALS	+910	954	-104	-153	286	1,515	+1,186	1,899	-1,710	3,259	-309	72	-66	74	+202	7,020

a/ Includes cost growth due to contractor overruns, contract performance incentives, contingency provisions, etc.

Selected Acquisition Reports, as of 30 September 1970
Distribution of Cost Growth by Category (Other than Quantity Changes)

(Millions of Dollars)

AIR FORCE

Weapon System	Engineering		Support		Schedule		Economic		Estimating		Unpre-dictable		Other a/		Weapon System 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
F-111 A/C/D/E/F	$ -19	$ 1,413	$ -1	$533	$ +38	$ 682	$ -51	$ 177	$ +109	$ 728	$ --	$ --	$ --	$ --	$ +76	$ 3,533
FB-111A	+14	174	+1	118	--	103	+35	73	-5	46	--	--	--	--	+45	514
C-5A	--	266	-14	219	+75	96	--	411	+68	369	--	--	--	400	+129	1,761
A-7	--	152	+6	63	--	50	--	35	--	9	--	--	--	--	+6	309
F-15	--	--	-63	-62	--	--	--	--	--	--	--	--	--	--	-63	-62
C-1	--	--	+37	37	+48	48	+1,274	1,274	-103	-103	--	--	--	--	+1,256	1,256
AWACS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MAVERICK	--	1	--	3	-1	12	+3	12	-4	-4	+1	1	+2	10	+1	35
MINUTEMAN II	-90	120	+11	19	--	14	--	--	-6	-30	--	--	--	-1	-85	122
MINUTEMAN III	-120	611	-186	-106	+14	14	-17	95	-196	-191	--	71	--	--	-505	[illegible]
SRAM	+31	108	+7	112	--	--	+46	46	+124	522	--	--	-2	64	+206	[illegible]
AGM - 78	-32	4	--	--	--	--	--	--	--	--	--	--	--	--	-32	4
AGM - 69	+108	152	--	--	--	--	--	--	--	--	--	--	--	--	+108	152
TOTALS	$-108	$ 3,001	$-202	$936	$+174	$1,019	$+1,290	$2,123	$ -13	$1,346	$ +1	$ 72	$ --	$473	$+1,142	$ 9,060
GRAND TOTAL	$+703	$ 3,998	$-191	$1,051	$+605	$3,074	$+3,655	$5,705	$-1,550	$5,901	$-308	$161	$-65	$577	$+2,849	$20,467

a/ Includes cost growth due to contractor overruns, contract performance incentives, contingency provisions, etc.

PROGRAM AND FINANCIAL STATUS OF SELECTED MAJOR WEAPON SYSTEMS

AS OF SEPTEMBER 30, 1970

Summary - Statistical Analyses

	Army		Navy		Air Force		DOD Total	
	Amount	%	Amount	%	Amount	%	Amount	%
Current Estimate								
R&D	$ 4,462	33%	$ 5,004	12%	$12,071	26%	$ 21,537	21%
Production	8,282	61	38,354	88	33,905	73	80,541	78
Construction	874	06	50	*	451	1	1,375	1
Total	$13,618	100%	$43,408	100%	$46,427	100%	$103,453	100%
Approved Funded								
R&D	$ 2,629	51	4,100	29	7,451	33	14,180	34
Production	1,884	36	10,141	71	14,372	65	26,397	63
Construction	691	13	39	*	413	2	1,143	3
Total	$ 5,204	100%	$14,280	100%	$22,236	100%	$ 41,720	100%
% of Current Estimate Funded		38%		33%		48%		40%
Cost Growth	$ 3,787	39%	$ 7,620	21%	$ 9,060	24%	$ 20,467	[illegible]

*Less than 1/2 of 1%.

Department of Defense
OASD(Comptroller)
Directorate for Information Operations

PROGRAM AND FINANCIAL STATUS OF SELECTED MAJOR WEAPON SYSTEMS

AS OF SEPTEMBER 30, 1970

Departmental Summary

	Current Estimate		Cost Growth		Approved Funded		Unfunded Program	Economic Escalation	
	Sep. 30, 1970	Curr. Qtr Change	Cumulative	Curr. Qtr Change	Cumulative	Curr. Qtr Change		To Date	Curr. Qtr Change
Army 1/	$ 13,618	$ +980	$ 3,787	$1,504	$ 5,204	$ 789	$ 8,414	$1,683	$1,179
Navy 2/	43,408	-885	7,620	202	14,280	3,951	29,128	1,898	1,186
Air Force	46,427	1,042	9,060	1,141	22,236	3,159	24,191	2,123	1,290
DOD	$103,453	$1,137	$20,467	$2,847	$41,720	$7,899 3/	$61,733	$5,704	$3,655

1/ Excludes production portion of Cheyenne.
2/ Includes Aegis for first time.
3/ Current quarter change in approved funded represents addition of FY 1971 funds as requested by DOD components in the FY 1971 Budget.

Department of Defense
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