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USAF EXTRACT

SAF/FMBMC  
50795  
RM 5C129

# PROCUREMENT PROGRAMS (P-1)

# R, D, T&E PROGRAMS (R-1)

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ELECTE  
FEB 21 1990  
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DEPARTMENT OF DEFENSE BUDGET  
FOR FISCAL YEAR 1991

USAF EXTRACT

JANUARY 1990

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Preface

The Procurement Programs (P-1) exhibit is derived from and consistent with the DoD Five Year Defense Program Procurement Annex data base.

The P-1 is provided annually to the DoD oversight committees of the Congress coincident with the transmittal by the President of the Budget of the United States Government. It is accompanied by an automated data base submission to the House Committee on Administration for input to the House Information System. An unclassified version of the document is provided to OASD(PA) for use by non-DoD activities.

Office of the Comptroller of the Department of Defense

STATEMENT "A" per Mr. M. Fritsch  
SAF/FTBPC  
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UNCLASSIFIED

DEPARTMENT OF DEFENSE

FY 1991 PROCUREMENT PROGRAM

SUMMARY  
(\$ IN MILLIONS)

29 JAN 1990

APPROPRIATION	FY 1989	FY 1990	FY 1991
AIRCRAFT PROCUREMENT, ARMY	2,855.2	3,715.5	1,583.2
MISSILE PROCUREMENT, ARMY	2,579.5	2,503.7	2,623.5
PROCUREMENT OF W&TCV, ARMY	2,671.2	2,587.4	2,172.6
PROCUREMENT OF AMMUNITION, ARMY	2,020.3	1,909.0	1,424.4
OTHER PROCUREMENT, ARMY	4,658.1	3,608.3	2,827.5
TOTAL ARMY	14,784.3	14,323.9	10,631.2
AIRCRAFT PROCUREMENT, NAVY	9,311.4	9,298.1	9,838.6
WEAPONS PROCUREMENT, NAVY	6,091.5	5,353.0	6,161.4
SHIPBUILDING AND CONVERSION, NAVY	9,840.1	11,019.4	11,195.2
OTHER PROCUREMENT, NAVY	4,752.8	7,779.8	6,081.5
PROCUREMENT, MARINE CORPS	1,291.8	1,075.2	782.1
TOTAL NAVY	31,287.7	34,525.5	34,058.8
AIRCRAFT PROCUREMENT, AIR FORCE	15,650.6	15,360.5	14,217.4
MISSILE PROCUREMENT, AIR FORCE	7,146.5	6,589.6	9,005.7
OTHER PROCUREMENT, AIR FORCE	8,192.9	8,254.7	8,307.4
TOTAL AIR FORCE	30,989.9	30,204.8	31,530.5
PROCUREMENT, DEFENSE AGENCIES	1,292.7	1,260.5	1,969.4
NATIONAL GUARD AND RESERVE EQUIPMENT	1,138.8	907.8	455.4
DEFENSE PRODUCTION ACT PURCHASES	26.8	49.5	1.8
CHEM AGENTS AND MUNITIONS DESTRUCTION, DEF	179.2	254.2	354.4
GRAND TOTAL DEPARTMENT OF DEFENSE	79,699.5	81,526.3	79,001.5

\* ITEMS UNDER \$50,000

UNCLASSIFIED

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DEPARTMENT OF THE AIR FORCE  
 FY 1991 PROCUREMENT PROGRAM

29 JAN 1990

SUMMARY  
 (\$ IN MILLIONS)

ACTIVITY	FY 1989	FY 1990	FY 1991
APPROPRIATION: AIRCRAFT PROCUREMENT, AIR FORCE			
01. COMBAT AIRCRAFT	7,698.0	6,805.6	7,721.1
02. AIRLIFT AIRCRAFT	995.6	1,632.7	1,988.3
03. TRAINER AIRCRAFT	9.5	144.4	185.2
04. OTHER AIRCRAFT	94.8	51.1	38.8
05. MODIFICATION OF INSERVICE AIRCRAFT	2,332.3	2,563.5	1,763.6
06. AIRCRAFT SPARES AND REPAIR PARTS	2,922.3	3,033.1	1,391.1
07. AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	1,598.1	1,130.0	1,129.4
TOTAL	15,650.6	15,360.5	14,217.4

\* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE  
FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: 29 JAN 1990

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1991 UNIT COST	MILLIONS OF DOLLARS				E COST C
				FY 1989 QUANTITY	FY 1989 COST	FY 1990 QUANTITY	FY 1990 COST	
<b>BUDGET ACTIVITY 01: COMBAT AIRCRAFT</b>								
<b>STRATEGIC OFFENSIVE</b>								
1	B-1B (MYP)	B			10.0			20.8 U
2	B-2A (MYP) LESS: ADVANCE PROCUREMENT (PY)	B	584,139,800	3 (2760.6) (-276.7)	2 (1957.9) (-312.5)		5 (2920.7) (-424.8)	
			2483.9	2483.9	1645.4		2495.9	
3	B-2A (MYP) ADVANCE PROCUREMENT (CV)			312.5	424.8		710.1 U	
<b>TACTICAL FORCES</b>								
4	F-15 D/E LESS: ADVANCE PROCUREMENT (PY)	A	50,432,527	36 (1431.3) (-154.2)	36 (1322.0) (-100.7)		36 (1815.6) (-115.9)	
			1277.1	1277.1	1221.3		1699.8	
5	F-15 D/E ADVANCE PROCUREMENT (CV)			100.7	115.8			
6	F-16 C/D (MYP) LESS: ADVANCE PROCUREMENT (PY)	A	18,443,386	180 (3142.9) (-646.1)	150 (2687.0) (-258.9)		150 (2766.5) (-409.4)	
			2496.8	2496.8	2428.1		2357.1	
7	F-16 C/D (MYP) ADVANCE PROCUREMENT (CV)			380.9	556.1		437.4 U	
<b>OTHER COMBAT AIRCRAFT</b>								
8	MC-130H - SOF LESS: ADVANCE PROCUREMENT (PY)	B		4 (346.6) (-15.8)	2 (169.0)			
			330.8	330.8	169.0			

\* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE  
FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: 29 JAN 1990

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS		E
			FY 1991 UNIT COST	FY 1989 QUANTITY	FY 1990 QUANTITY	FY 1991 QUANTITY	
9	AC-130U GUNSHIP - SOF LESS: ADVANCE PROCUREMENT (PV)	B		6 (304.1) (-18.2) 285.9	5 (264.6) (-29.5) 235.1		U
10	AC-130U GUNSHIP - SOF ADVANCE PROCUREMENT (CY)			29.5			U
	TOTAL COMBAT AIRCRAFT		7,698.0	6,805.6		7,721.1	
BUDGET ACTIVITY 02: AIRLIFT AIRCRAFT							
TACTICAL AIRLIFT							
11	C-17 (MYP) LESS: ADVANCE PROCUREMENT (PV)	B	300,697,666	4 (962.0) (-66.3) 895.7	4 (1207.7) (-99.9) 1107.8	6 (1804.2) (-99.7) 1704.5	U
12	C-17 (MYP) ADVANCE PROCUREMENT (CY)			99.9	99.7	204.3	U
13	C-130H	A			12 260.2		U
14	HC-130	A			1 42.6		U
OTHER AIRLIFT							
15	C-20B	A			2 49.2		U
16	C-27A	B	15,905,800		5 73.3	5 79.5	U
	TOTAL AIRLIFT AIRCRAFT			995.6	1,632.7	1,988.3	

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DEPARTMENT OF THE AIR FORCE  
FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: 29 JAN 1990

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1991 UNIT COST	FY 1989		FY 1990		FY 1991		
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
			MILLIONS OF DOLLARS						S	E
<b>BUDGET ACTIVITY 03: TRAINER AIRCRAFT</b>										
17	TANKER, TRANSPORT, TRAINER SYSTEM	B	6,612.678	1	9.5	14	144.4	28	185.2	U
TOTAL TRAINER AIRCRAFT					9.5		144.4		185.2	
<b>BUDGET ACTIVITY 04: OTHER AIRCRAFT</b>										
<b>MELICOPTERS</b>										
18	MH-60G	A	9,228.750	9	75.4	4	48.6	4	36.9	U
<b>MISSION SUPPORT AIRCRAFT</b>										
19	CIVIL AIR PATROL A/C	A	49,500	38	1.8	38	2.5	38	1.9	U
<b>OTHER AIRCRAFT</b>										
20	C-137E	A		1	5.0					U
21	TR-1/U-2	A			12.6					U
TOTAL OTHER AIRCRAFT					94.8		51.1		38.8	
<b>BUDGET ACTIVITY 05: MODIFICATION OF INSERVICE AIRCRAFT</b>										
<b>STRATEGIC AIRCRAFT</b>										
22	B-1B	A			24.5		51.0		134.1	U
23	B-52	A			205.4		157.5		109.6	U
<b>TACTICAL AIRCRAFT</b>										
24	A-7	A			25.2		51.0		1.7	U
25	A-10	A			22.9		38.8		41.6	U

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DEPARTMENT OF THE AIR FORCE  
FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE DATE: 29 JAN 1990

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		FY 1989		FY 1990		FY 1991		E
			UNIT COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	C	
			MILLIONS OF DOLLARS								
26	F/RF-4	A			16.5		23.7			31.6	U
27	F-5	A			.2						U
28	F-15	A			174.2		198.0			130.4	U
29	F-16	A			238.2		46.9			144.0	U
30	F-111	A			124.3		83.8			104.6	U
31	TR-1A	A			20.3		22.3			36.0	U
32	T/AT-37	A			12.9		16.4			46.3	U
AIRLIFT AIRCRAFT											
33	C-5	A			101.3		55.7			64.7	U
34	C-9	A			6.7		5.7			1.7	U
35	C-21	A					3.9			.1	U
36	C-23 AIRCRAFT	A								.1	U
37	C-STOL	A								.1	U
38	C-137	A			.6		1.7			3.1	U
39	C-141	A			20.1		31.2			36.0	U
40	SOF C141	A			20.7						U
TRAINER AIRCRAFT											
41	T-38	A			19.8		12.0			21.1	U
42	T-41 AIRCRAFT	A								.2	U

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DEPARTMENT OF THE AIR FORCE  
FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: 29 JAN 1990

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS		S
			UNIT COST	FY 1991	QUANTITY	COST	
43	T-43	A		4.9	10.2		.4 U
OTHER AIRCRAFT							
44	KC-10A (ATCA)	A		26.0	12.1		4.0 U
45	C-12	A			3.5		1.2 U
46	C-16	A			.2		.3 U
47	C-20 MODS	A			.2		.2 U
48	VC-25A MOD	A		1.9			.2 U
49	C-130	A		89.4	95.9		39.7 U
50	SOF C130	A		137.0	126.9		U
51	C-135	A		784.6	655.3		631.9 U
52	E-3	A		16.4	36.5		19.8 U
53	E-4	A		38.7	12.1		37.3 U
54	E-8	A			.8		U
55	H-1	A		.4			U
56	H-3 AIRCRAFT SYSTEM	A			.7		.1 U
57	SOF HH-53	A		38.8	31.0		U
58	H-60	A			7.2		5.5 U
59	MOD INSTALLATIONS	A			637.4		U
60	OTHER AIRCRAFT	A		52.5	59.4		38.8 U
61	SOF OTHER AIRCRAFT	A		6.5	14.3		U

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FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 29 JAN 1990

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS		S
			FY 1991 UNIT COST	FY 1989 QUANTITY	FY 1990 QUANTITY	FY 1991 COST	
62	0V-10	A			.1		.2 U
OTHER MODIFICATIONS							
63	CLASSIFIED PROJECTS	A		83.3	49.9		74.9 U
64	SOF CLASSIFIED PROJECTS	A		18.0	9.4		U
CIVIL RESERVE AIRLIFT FLEET (CRAF)							
65	CIVIL RESERVE AIRLIFT FLEET (CRAF)	A			.9		2.1 U
TOTAL MODIFICATION OF INSERVICE AIRCRAFT				2,332.3	2,563.5		1,763.6
BUDGET ACTIVITY 06: AIRCRAFT SPARES AND REPAIR PARTS							
AIRCRAFT SPARES + REPAIR PARTS							
66	SPARES AND REPAIR PARTS	A		2922.3	3033.1		1391.1 U
TOTAL AIRCRAFT SPARES AND REPAIR PARTS				2,922.3	3,033.1		1,391.1
BUDGET ACTIVITY 07: AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES							
COMMON AGE							
67	COMMON AGE	A		215.7	241.5		386.6 U
INDUSTRIAL RESPONSIVENESS							
68	INDUSTRIAL RESPONSIVENESS			23.1	24.5		45.3 U
WAR CONSUMABLES							

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DEPARTMENT OF THE AIR FORCE  
FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: 29 JAN 1990

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	MILLIONS OF DOLLARS				S
			FY 1991 UNIT COST	FY 1989 QUANTITY	FY 1990 COST	FY 1991 QUANTITY	
69	WAR CONSUMABLES	A		20.5			41.3 U
	OTHER PRODUCTION CHARGES						
70	OTHER PRODUCTION CHARGES	A		1074.6	572.2		491.5 U
	COMMON ECM EQUIPMENT						
71	COMMON ECM EQUIPMENT			247.5	226.6		164.7 U
	COMMON SUPPORT - SOF						
72	COMMON GROUND EQUIP	A		14.1	55.8		U
	OTHER PRODUCTION CHARGES-SOF						
73	OTHER PRODUCTION CHARGES-SOF	A		2.6	9.3		U
TOTAL AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES				1,598.1	1,130.0		1,129.4
TOTAL AIRCRAFT PROCUREMENT, AIR FORCE				15,650.6	15,360.5		14,217.4

\* ITEMS UNDER \$50,000

UNCLASSIFIED

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DEPARTMENT OF THE AIR FORCE  
 FY 1991 PROCUREMENT PROGRAM

SUMMARY  
 (\$ IN MILLIONS)

29 JAN 1990

APPROPRIATION: MISSILE PROCUREMENT, AIR FORCE

ACTIVITY	FY 1989	FY 1990	FY 1991
01. BALLISTIC MISSILES	841.4	886.4	1,885.0
02. OTHER MISSILES	1,498.0	1,353.2	2,125.5
03. MODIFICATION OF INSERVICE MISSILES	140.1	77.1	111.3
04. SPARES AND REPAIR PARTS	231.9	183.8	271.4
05. OTHER SUPPORT	4,435.0	4,089.2	4,612.6
TOTAL	7,146.5	6,589.6	9,005.7

• ITEMS UNDER \$50,000

UNCLASSIFIED

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DEPARTMENT OF THE AIR FORCE  
FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3020F MISSILE PROCUREMENT, AIR FORCE

DATE: 29 JAN 1990

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1991 UNIT COST	FY 1989		FY 1990		FY 1991		S E C
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
<b>BUDGET ACTIVITY 01: BALLISTIC MISSILES</b>										
<b>STRATEGIC</b>										
1	PEACEKEEPER (M-X)	B	152,477,166	12	(792.5)	12	(729.9)	12	(1829.7)	U
	LESS: ADVANCE PROCUREMENT (PY)								(-102.6)	
				792.5		729.9			1727.1	
2	PEACEKEEPER (M-X)						102.6		133.9	U
	ADVANCE PROCUREMENT (CY)									
<b>MISSILE REPLACEMENT EQUIPMENT - BALLIST</b>										
3	MISSILE REPLACEMENT EQ-BALLISTIC	A			48.9		53.9		24.0	U
	TOTAL BALLISTIC MISSILES				841.4		886.4		1,885.0	
<b>BUDGET ACTIVITY 02: OTHER MISSILES</b>										
<b>STRATEGIC</b>										
4	ADVANCED CRUISE MISSILE	B	4,228,690			100	(375.2)	100	(422.9)	U
	LESS: ADVANCE PROCUREMENT (PY)						(-117.0)		(-57.0)	
							258.2		365.9	
5	ADVANCED CRUISE MISSILE						57.0		107.4	U
	ADVANCE PROCUREMENT (CY)									
6	HAVE FLAG	A								U
7	TACIT RAINBOW	A			70.5				227.4	U
8	HAVE NAP	A	992,269	6	8.3	22	23.4	26	25.8	U

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FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: 29 JAN 1990

APPROPRIATION: 3020F MISSILE PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS		E
			FY 1991 UNIT COST	FY 1989 QUANTITY	FY 1990 QUANTITY	FY 1991 COST C	
9	AGM-131A SRAMII	A			4.3		14.8 U
10	AGM-131A SRAMII ADVANCE PROCUREMENT (CV)				6.4		6.4 U
11	CLASSIFIED PROGRAM	B					U
	TACTICAL						U
12	AIM-7F/M SPARROW	A	354	54.0			U
13	AIM-9L/M SIDEWINDER	A	760	37.1	.5		.4 U
14	AGM-130 POWERED GBU-15	A		610,063	28	32.0	63 38.4 U
15	AGM-65D MAVERICK	A	2540	253.0	2270	168.7	7.3 U
16	AGM-88A HARM	A	893	211.6	326	76.5	120 30.3 U
17	AMRAAM	B	874	714,705	815	687.8	1250 893.4 U
18	GRD LAUNCH CRUISE MISSILE	A		.6			U
	TARGET DRONES						
19	TARGET DRONES	A	48	403,513	49	22.5	115 46.4 U
	INDUSTRIAL FACILITIES						
20	INDUSTRIAL PREPAREDNESS	A		10.7		13.9	16.2 U
	MISSILE REPLACEMENT EQUIPMENT - OTHER						
21	MISSILE REPLACEMENT EQ-OTHER	A		5.8		2.0	2.6 U
	TOTAL OTHER MISSILES			1,498.0		1,353.2	2,125.5

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DATE: 29 JAN 1990

APPROPRIATION: 3020F MISSILE PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS		S
			FY 1991 UNIT COST	FY 1989 QUANTITY	FY 1990 QUANTITY	FY 1991 QUANTITY	
BUDGET ACTIVITY 03: MODIFICATION OF INSERVICE MISSILES							
CLASS IV							
22	ADVANCED CRUISE MISSILE	B		4.6		5.0	U
23	HAVE NAP	A		1.0			U
24	AIM-9L/M SIDEWINDER	A	50.0				U
25	MM II/III MODIFICATIONS	A	68.4	16.6		95.0	U
26	AGM-45A SHRIKE	A	15.0				U
27	AGM-65D MAVERICK	A		10.0		3.2	U
28	AGM-88A HARM	A	2.2	1.4		2.1	U
29	AIR LAUNCH CRUISE MISSILE	A	.6	3.9		3.7	U
30	MOD INSTALLATIONS	B		37.5			U
31	PEACEKEEPER (M-X)	B	1.7	1.9		1.9	U
32	MODIFICATIONS UNDER \$2.0M	A	2.2	.2		.3	U
TOTAL MODIFICATION OF INSERVICE MISSILES			140.1	77.1		111.3	
BUDGET ACTIVITY 04: SPARES AND REPAIR PARTS							
MISSILE SPARES + REPAIR PARTS							
33	SPARES AND REPAIR PARTS	A	231.9	183.8		271.4	U
TOTAL SPARES AND REPAIR PARTS			231.9	183.8		271.4	

\* ITEMS UNDER \$50,000

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FY 1991 PROCUREMENT PROGRAM

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APPROPRIATION: 3020F MISSILE PROCUREMENT, AIR FORCE

DATE: 29 JAN 1990

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1991 UNIT COST	FY 1989		FY 1990		FY 1991	
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
BUDGET ACTIVITY 05: OTHER SUPPORT									
SPACE PROGRAMS									
34	SPACEBORNE EQUIP (COMSEC)	A		19.6		20.5		7.6	U
35	GLOBAL POSITIONING (MYP)	A		74.4		48.0		121.0	U
36	GLOBAL POSITIONING (MYP) ADVANCE PROCUREMENT (CY)							80.8	U
37	SPACE SHUTTLE OPERATIONS	A		6.6		28.2		15.1	U
38	DEF METEOROLOGICAL SAT PROG (MYP) LESS: ADVANCE PROCUREMENT (PY)	A	153,075,000	1	(117.6) (-29.3)	1	(106.1) (-46.5)	1	(153.1) (-69.0)
				88.3		59.6		84.1	
39	DEF METEOROLOGICAL SAT PROG (MYP) ADVANCE PROCUREMENT (CY)			69.0		57.0		63.7	U
40	DEFENSE SUPPORT PROGRAM (MYP) LESS: ADVANCE PROCUREMENT (PY)	A	398,546,000	2	(507.0) (-111.0)	1	(406.7) (-72.4)	1	(398.5) (-72.3)
				396.0		334.3		326.2	
41	DEFENSE SUPPORT PROGRAM (MYP) ADVANCE PROCUREMENT (CY)			36.4		12.3			U
42	DEFENSE SATELLITE COMM SYSTEM (MYP)	A		53.7		48.2		63.9	U
43	SPACE BOOSTERS (MYP) LESS: ADVANCE PROCUREMENT (PY)	A	188,190,500	3	(503.4) (-293.6)	3	(241.0) (-61.0)	2	(376.4) (-167.8)
				209.8		180.0		208.6	
44	SPACE BOOSTERS (MYP) ADVANCE PROCUREMENT (CY)			130.0		50.3			U

\* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE  
FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: 29 JAN 1990

APPROPRIATION: 3020F MISSILE PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1991 UNIT COST	FY 1989		FY 1990		FY 1991		MILLIONS OF DOLLARS	S
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST		
45	MEDIUM LAUNCH VEHICLE LESS: ADVANCE PROCUREMENT (PV)	A	55,146,000	8	(267.2) (-28.2)	3	(140.0) (-16.4)	5	(275.7) (-41.3)		U
				239.0	123.6		234.5				
46	MEDIUM LAUNCH VEHICLE ADVANCE PROCUREMENT (CY)			16.4	41.3		35.3				U
SPECIAL PROGRAMS											
47	FOREST GREEN	A			.5		.6				U
48	IONDS (MYP)	A					12.9				U
49	IONDS (MYP) ADVANCE PROCUREMENT (CY)						19.2				U
50	SPECIAL PROGRAMS	A		2829.1	3062.2		3101.8				U
51	SPECIAL UPDATE PROGRAMS	A		266.7	23.2		237.3				U
TOTAL OTHER SUPPORT				4,435.0	4,089.2		4,612.6				
TOTAL MISSILE PROCUREMENT, AIR FORCE				7,146.5	6,589.6		9,005.7				

\* ITEMS UNDER \$50,000

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 FY 1991 PROCUREMENT PROGRAM

29 JAN 1990

SUMMARY  
 (\$ IN MILLIONS)

ACTIVITY	FY 1989	FY 1990	FY 1991
APPROPRIATION: OTHER PROCUREMENT, AIR FORCE			
01. MUNITIONS AND ASSOCIATED EQUIPMENT	587.0	392.8	428.0
02. VEHICULAR EQUIPMENT	270.6	212.3	176.7
03. ELECTRONICS AND TELECOMMUNICATIONS EQUIPMENT	1,965.3	2,077.4	1,651.5
04. OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	5,370.0	5,572.3	6,051.2
TOTAL	8,192.9	8,254.7	8,307.4

\* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE  
FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: 29 JAN 1990

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS		E			
			FY 1991 UNIT COST	FY 1989 QUANTITY	FY 1990 QUANTITY	FY 1991 COST				
BUDGET ACTIVITY 01: MUNITIONS AND ASSOCIATED EQUIPMENT										
ROCKETS + LAUNCHERS										
1	2.75 INCH ROCKET MOTOR	A	251	50370	10.0	68491	15.6	62760	15.8	U
2	2.75 INCH ROCKET HEAD - WP	A	84	96920	6.5	80078	6.0	53088	4.5	U
3	LIGHT ANTI-TANK TACTICAL AT-4	A		3635	3.0					U
4	ITEMS LESS THAN \$2,000,000	A			5.5		5.7		6.3	U
CARTRIDGES (THOUSANDS)										
5	9MM PARABELLUM	A		14930	1.5					U
6	5.56 MM	A	246	27139	4.3	20009	3.3	27004	6.6	U
7	20 MM COMBAT	A	5,777	2112	9.7	1341	4.7	1193	6.9	U
8	20MM TRAINING	A	2,709	9937	22.6	9389	23.4	14214	38.5	U
9	30 MM TRAINING	A	7,044	8160	53.4	7082	47.9	6610	46.6	U
10	40MM TP GRENADES	A		754	1.0					U
11	40MM HE GRENADES	A		191	1.4	190	2.2			U
12	SIGNAL MK-4 MOD 3	A	1,338	1193	1.2	1516	1.8	458	.6	U
13	MXU-4A/A ENGINE STARTER	A		45	3.7					U
14	CART IMP 3000 FT/LBS	A	3,456	1490	4.4			1786	6.2	U
15	ITEM LESS THAN 2.0M CARTRIDGES-SOF	A			.5					U

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FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE

DATE: 29 JAN 1990

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS		E
			FY 1991 UNIT COST	FY 1989 QUANTITY	FY 1990 QUANTITY	FY 1991 COST	
16	ITEMS LESS THAN \$2,000,000	A		17.7	9.3		17.0 U
<b>BOMBS</b>							
17	MK-82 INERT/BDU-50	A	353	81270	19.8	34320	8.5 67704 23.9 U
18	BSU-49 INFLATABLE RETARDER	A	413	46116	16.8	14969	5.6 46691 19.3 U
19	BSU-50 INFLATABLE RETARDER	A		7000	7.6		
20	BOMB HARD TARGET 2000LB	A		2922	30.8		
21	LASER BOMB GUIDANCE KIT	A	62,909			159	9.9 33 2.1 U
22	G8U-15	B				1.3	28.4 U
23	BOMB PRACTICE 25 POUND	A	14	1158072	14.0	1584086	24.2 1617290 23.9 U
24	BOMB PRACTICE BDU-38	A	4,333	642	2.6	846	3.5 24 .1 U
25	MK-84 BOMB-EMPTY	A	1,940			14306	27.8 U
26	CBU-87(COMB EFFECTS MUNITION)	A		20483	252.9	11537	136.6 U
27	BIGEVE	A			9.7		6.8 57.8 U
28	ITEMS LESS THAN \$2,000,000	A		3.0	.3		4.0 U
<b>OTHER ITEMS</b>							
29	FLARE, IR MJU-7B	A	18	326040	9.8	182311	6.6 236700 4.4 U
30	PARACHUTE FLARE LUU-2 B/B	A	328	10000	3.8	3818	1.7 4254 1.4 U
31	MJU-23 FLARE	B	1,446	1275	1.9	5990	6.0 5052 7.3 U
32	MJU-10B	A	47	206280	9.0		157740 7.6 U
33	SPARES AND REPAIR PARTS	A			4.0	7.9	.4 U

\* ITEMS UNDER \$50,000

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EXHIBIT P-1

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE

DATE: 29 JAN 1990

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1991 UNIT COST	FY 1989		FY 1990		FY 1991		E	
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST		
				MILLIONS OF DOLLARS							
34	SPECIAL PROGRAMS	A								7.7	U
35	MODIFICATIONS	A		.2		.2				1.4	U
36	ITEMS LESS THAN \$2,000,000	A		20.5		9.8				17.7	U
	FUZES										
37	FMJ-139	B	812	46753	30.1	36213	25.1	41112		33.4	U
38	ITEMS LESS THAN \$2,000,000	A		2.0		1.3					U
	OTHER WEAPONS										
39	M-203 GRENADE LAUNCHER	A		145	.1						U
40	81MM MORTAR	A	27,288					45		1.2	U
41	9MM HANDGUN	A		9000	1.9						U
42	HQST NATION SUPPORT WEAPONS	A				74	15.8				U
43	SQUAD AUTOMATIC WEAPON	A	1,704			1200	1.9	1200		2.0	U
44	M-16 A2 RIFLE WEAPON	A	474					15000		7.1	U
TOTAL MUNITIONS AND ASSOCIATED EQUIPMENT					587.0		392.8			428.0	
BUDGET ACTIVITY 02: VEHICULAR EQUIPMENT											
PASSENGER CARRYING VEHICLES											
45	SEDAN, 4 DR 4X2	A	8,416	113	1.0	117	.9	149		1.3	U
46	STATION WAGON, 4X2	A	8,957	90	.7	61	.5	95		.9	U
47	BUS, 28 PASSENGER	A	45,113	23	.9	16	.6	44		2.0	U
48	BUS INTERCITY	A	187,583	3	.5	4	.7	12		2.3	U

\* ITEMS UNDER \$50,000

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APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE

DATE: 29 JAN 1990

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1991		FY 1989		FY 1990		FY 1991		S
			UNIT COST	QUANTITY	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
MILLIONS OF DOLLARS											
49	BUS, 44 PASSENGER	A	86.022	60	4.3	56	3.6	44	3.8	U	
50	AMBULANCE, BUS	A	97,000	5	.5	1	.1	U			
51	MODULAR AMBULANCE	A	52,000	44	1.7	51	2.1	14	.7	U	
52	14-23 PASSENGER BUS	A	36,500	19	.7	11	.4	4	.1	U	
53	LAW ENFORCEMENT VEHICLE	A	13,642	160	2.0	130	1.3	277	3.8	U	
54	ARMORED SEDAN	A	175,000	4	.7	U					
CARGO + UTILITY VEHICLES											
55	TRUCK, STAKE/PLATFORM	A	15,058	454	5.8	517	7.4	306	4.6	U	
56	TRUCK, CARGO-UTILITY, 3/4T, 4X4	A	17,686	192	3.2	255	4.2	214	3.8	U	
57	TRUCK, CARGO-UTILITY, 1/2T, 4X2	A	15,631	55	.8	286	4.1	201	3.1	U	
58	TRUCK, PICKUP, 1/2T, 4X2	A	13,778	634	6.6	435	4.9	461	6.4	U	
59	TRUCK, PICKUP, COMPACT	A	7,780	315	2.5	U					
60	TRUCK MULTI-STOP 1 TON 4X2	A	27,016	260	4.8	744	13.7	305	8.2	U	
61	TRUCK, PANEL, 4X2	A	196	2.3	U						
62	TRUCK CARRYALL	A	17,330	296	4.5	210	3.5	330	5.7	U	
63	COMMERCIAL UTILITY CARGO VEHICLE	A	34	.5	U						
64	TRUCK, CARGO, 2 1/2T, 6X6, M-35	A	154	8.4	U						
65	TRUCK CARGO 5T M-923.M-925(MYP)	A	73	4.8	U						
66	MEDIUM TACTICAL VEHICLE	A	73,042	47	3.4	U					
67	HIGH MOBILITY VEHICLE (MYP)	A	180	4.3	U						

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DEPARTMENT OF THE AIR FORCE  
FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE

DATE: 29 JAN 1990

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1991 UNIT COST	FY 1989		FY 1990		FY 1991		E
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
				MILLIONS OF DOLLARS						
68	TRUCK TRACTOR, OVER 5T	A	68,714	92	4.5	69	3.1	35	2.4	U
69	TRUCK, DUMP 5 TON	A	34,403	52	2.2	77	2.9	52	1.8	U
70	CAP VEHICLES	A	.8		.8					U
71	ITEMS LESS THAN \$2,000,000	A	10.4		10.4		16.5		11.2	U
SPECIAL PURPOSE VEHICLES										
72	TRUCK, TANK, 1200 GAL	A	57,000		1.8	48	1.8	25	1.4	U
73	TRUCK TANK FUEL R-11(R-9)	A		567	55.0	345	33.2			U
74	TRUCK, TANK, FUEL, M-49	A	93,214		4.9	68	4.9	28	2.6	U
75	TRACTOR, A/C TOW, MB-4	A			.2	3	.2			U
76	TRACTOR, TOW, FLIGHTLINE	A	17,974	388	6.6	3	.1	316	5.7	U
77	MOBILE MAINT UNIT	A	349,384	16	7.0			13	4.5	U
78	MOBILE ARM RECON VEHICLE	B		20	17.9					U
79	ITEMS LESS THAN \$2,000,000	A	15.8		14.6				13.5	U
FIRE FIGHTING EQUIPMENT										
80	TRUCK CRASH P-19	A			.4	2	.4			U
81	TRUCK CRASH P-23(P-2)	A	471,604	18	8.5	42	19.2	48	22.6	U
82	TRUCK WATER P-18	A		1	.1	8	1.0			U
83	TRUCK PUMPER P-24(P-8)	A	140,320	30	4.1	36	4.7	25	3.5	U
84	TRUCK PUMPER P-22(P-12)	A	121,250	26	3.1	36	4.1	24	2.9	U

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FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE

DATE: 29 JAN 1990

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1991 UNIT COST	MILLIONS OF DOLLARS				E
				FY 1989 QUANTITY	FY 1990 QUANTITY	FY 1990 COST	FY 1991 COST	
85	ITEMS LESS THAN \$2,000,000	A		3.1	1.9		2.1	U
MATERIALS HANDLING EQUIPMENT								
86	TRUCK F/L 4000 LB GED/DED 144 INCH	A	43,364	278	220	6.3	96	4.2 U
87	TRUCK, F/L 6000 LB	A	25,157	68	80	1.9	133	3.3 U
88	TRUCK, F/L 10,000 LB	A	51,171	124	163	6.9	263	13.5 U
89	25K FORKLIFT	A	249,000				2	.5 U
90	25K A/C LOADER	A	146,878	14	10	1.4	41	6.0 U
91	ITEMS LESS THAN \$2,000,000	A		9.8	9.3			4.2 U
BASE MAINTENANCE SUPPORT								
92	LOADER, SCOOP	A		92	144	8.7		U
93	CLEANER, RUNWAY/STREET	A	76,714	169	86	5.2	49	3.8 U
94	CRANE, 7-50 TON	A		20	10	1.6		U
95	EXCAVATOR, DED, PT	A			39	5.4		U
96	SPARES AND REPAIR PARTS	A		3.2	3.0			2.6 U
97	MODIFICATIONS	A		.4		1.2		.8 U
98	ITEMS LESS THAN \$2,000,000	A		11.8	3.5			10.2 U
TOTAL VEHICULAR EQUIPMENT				270.6	212.3			176.7
BUDGET ACTIVITY 03: ELECTRONICS AND TELECOMMUNICATIONS EQUIPMENT								
COMM SECURITY EQUIPMENT(COMSEC)								
99	COMSEC EQUIPMENT	A		20.4		81.6		77.0 U

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FY 1991 PROCUREMENT PROGRAM

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APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE

DATE: 29 JAN 1990

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS		S
			FY 1991 UNIT COST	FY 1989 COST	FY 1990 QUANTITY	FY 1991 COST	
100	TEMPEST EQUIPMENT	A		.3			U
101	TAC SECURE VOICE	A		2.3			U
102	DCS SECURE VOICE (COMSEC)	A		29.5			U
103	SECURE DATA	A		22.1			U
104	TRI-TAC (COMSEC)	A		5.1			U
105	SPARES AND REPAIR PARTS	A		1.8	7.3		4.3 U
106	MODIFICATIONS (COMSEC)	A		.7	1.7		1.9 U
	INTELLIGENCE PROGRAMS						
107	INTELLIGENCE DATA HANDLING SYS	A			2.6		8.7 U
108	INTELLIGENCE TRAINING EQUIPMENT	A		8.8	12.0		7.4 U
109	INTELLIGENCE COMM EQUIP	A			2.3		1.4 U
110	ITEMS LESS THAN \$2,000,000	A		5.3	8.0		11.1 U
	ELECTRONICS PROGRAMS						
111	AIR TRAFFIC CTRL/LAND SYS (ATCAL)	A		29.8	4.4		11.2 U
112	TACTICAL AIR CONTROL SYS IMPROVE	A		116.5	223.7		232.0 U
113	WEATHER OBSERV/FORCAST	A		62.2	54.3		49.7 U
114	DEFENSE SUPPORT PROGRAM	A		1.7	65.0		66.8 U
115	OTH-B RADAR	A		159.0	196.5		U
116	SAC COMMAND AND CONTROL	A		2.4	36.4		68.4 U
117	CHEYENNE MOUNTAIN COMPLEX	A		22.1	31.6		9.1 U

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DATE: 29 JAN 1990

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS		S
			FY 1991 UNIT COST	FY 1991 QUANTITY	FY 1990 COST	FY 1990 QUANTITY	
118	BMEWS MODERNIZATION	A			6.2		U
119	SPACETRACK	A			5.3		U
120	NAVSTAR GPS	A		12.7	7.4	3.9	U
121	USAF COMMAND/CONTROL SYSTEM	A		1.3	2.5		U
122	PACAF COMMAND/CONTROL	A		1.3	10.7	1.1	U
123	DEFENSE METEOROLOGICAL SAT PROG	A		17.7	.8	17.5	U
124	CARIBBEAN BASIN RADAR NETWORK	A		28.8			U
125	MARS/USAF-FAA RADAR UPGRADE	A		50.3	66.3	54.8	U
126	TAC SIGINT SUPPORT	A		17.5	17.7	12.0	U
127	AREOSTAT RADARS	A		47.5	6.9		U
128	DIST ERLY WARNING RDR/NORTH WARNING	A		198.5	182.6		U
129	TACTICAL GROUND INTERCEPT FACILITY	A		2.2	6.1	9.6	U
130	TR-1 GROUND STATIONS	B			5.4		U
131	DRUG INTERDICTION PROGRAM	A		23.3			U
132	AIR BASE OPERABILITY	A		6.9	3.2	3.8	U
133	IMAGERY TRANS	A		1.5		1.5	U
134	NUDET DETECTION SYSTEM (NDS)	B				17.6	U

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DATE: 29 JAN 1990

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS		E
			FY 1991 UNIT COST	FY 1989 QUANTITY	FY 1990 QUANTITY	FY 1991 COST C	
135	TACTICAL WARNING SYSTEMS SUPPORT	A		3.0	1.1		.6 U
	SPECIAL COMM-ELECTRONICS PROJECTS						
136	AUTOMATIC DATA PROCESSING EQUIP	A		71.6	55.3		54.7 U
137	WMCCS/WIS ADPE	A		12.1	15.1		18.4 U
138	MAC COMMAND AND CONTROL SUPPORT	A		17.5	22.0		22.1 U
139	MAC COMMAND AND CONTROL-SOF	A		1.5			U
140	AIR FORCE PHYSICAL SECURITY SYSTEM	A		22.0	21.5		24.0 U
141	WEAPONS STORAGE/SECURITY	A		32.7	35.7		21.7 U
142	RANGE IMPROVEMENTS	A		103.5	114.1		66.3 U
143	C3 COUNTERMEASURES	A		5.7	6.9		6.2 U
144	JOINT SURVEILLANCE SYSTEM	A			5.8		.8 U
145	BASE LEVEL DATA AUTO PROGRAM	A		14.9	27.2		22.1 U
146	SATELLITE CONTROL FACILITY	A		60.0	67.3		87.9 U
147	CONSTANT WATCH	A		5.2	7.2		3.9 U
148	CONSOLIDATED SPACE OPS CENTER	A			1.0		4.4 U
149	CMD CENTER PROCESSING/DISPLAY SYS	A		23.5			U
150	HAMMER ACE	A		1.4			U

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DATE: 29 JAN 1990

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		FY 1990		FY 1991		E
			UNIT COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	
MILLIONS OF DOLLARS									
151	SAMTO TEST RANGES I&M	A	51.6		58.8		47.1		U
AIR FORCE COMMUNICATIONS									
152	PROGRAM 698AJ	A	1.9		1.3		1.8		U
153	INFORMATION TRANSMISSION SYSTEMS	A	8.1		.3		.7		U
154	TELEPHONE EXCHANGE	A	27.6		70.6		70.9		U
155	JOINT TACTICAL COMM PROGRAM	A	146.5		40.0		72.5		U
156	USTRANSCOM	A					15.6		U
157	USSOCCOM	A	6.0		7.3				U
158	USCENTCOM	A			8.8		5.1		U
159	AUTOMATED TELECOMMUNICATIONS PRG	A	4.3		3.9		3.8		U
160	MILSTAR	B	73.4		54.1		178.0		U
161	SATELLITE TERMINALS	A	10.1		20.9		18.5		U
DCA PROGRAMS									
162	WIDEBAND SYSTEMS UPGRADE	A	13.1		54.5		13.8		U
163	MINIMUM ESSENTIAL EMER COMM NET	B	3.6		3.3		3.3		U
164	DCS SECURE VOICE EQUIPMENT	A	6.4						U
ORGANIZATION AND BASE									
165	TACTICAL C-E EQUIPMENT	A	46.5		31.8		22.6		U
166	RADIO EQUIPMENT	A	17.3		6.7		4.0		U
167	RADIO EQUIPMENT-SOF	A	1.4						U

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DATE: 29 JAN 1990

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1991		FY 1989		FY 1990		FY 1991		S E C
			UNIT COST	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
MILLIONS OF DOLLARS											
168	FIBER OPTICS	A		1.0							U
169	TV EQUIPMENT (AFRTV)	A		4.1		4.6				4.9	U
170	CCTV/AUDIOVISUAL EQUIPMENT	A		3.2		3.9				4.1	U
171	E + I REQUIREMENTS	A		.6		1.7				1.9	U
172	SPARES AND REPAIR PARTS	A		196.1		235.4				139.8	U
173	CAP COM & ELECT	A		.6		.5					U
174	ITEMS LESS THAN \$2,000,000	A		6.2		11.7				15.6	U
MODIFICATIONS											
175	COMM-ELECTRONICS CLASS IV	A		26.5		19.6				18.9	U
176	TACTICAL EQUIPMENT	A		27.2							U
177	ANTIJAM VOICE	B		8.2		8.7				4.8	U
TOTAL ELECTRONICS AND TELECOMMUNICATIONS EQUIPMENT				1,965.3		2,077.4				1,651.5	
BUDGET ACTIVITY 04: OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT											
TEST EQUIPMENT											
178	BASE/ALC CALIBRATION PACKAGE	A		46.8		29.5				26.1	U
179	NEWARK AFS CALIBRATION PACKAGE	A		2.8		2.9				3.1	U
180	TEST EQUIPMENT-GEN PURP	A		6.0							U

\* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE  
FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: 29 JAN 1990

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS		E
			FY 1991 UNIT COST	FY 1989 QUANTITY	FY 1990 QUANTITY	FY 1991 COST C	
181	ITEMS LESS THAN \$2,000,000	A		39.6	31.5		39.2 U
	PERSONAL SAFETY AND RESCUE EQUIP						
182	AUTOMATIC LIFE PRESERVER	A	1200	2.4			U
183	NIGHT VISION GOGGLES	A		5.6	4.5		6.6 U
184	NIGHT VISION GOGGLES-SOF	A	166	2.7	1.3		U
185	CHEMICAL/BIOLOGICAL DEF PROG	B		83.0	55.5		43.3 U
186	ITEMS LESS THAN \$2,000,000	A		4.6	3.6		6.4 U
	DEPOT PLANT + MATERIALS HANDLING EQ						
187	BASE MECHANIZATION EQUIPMENT	A		34.8	27.6		24.3 U
188	AIR TERMINAL MECHANIZATION EQUIP	A		3.9	8.5		7.2 U
189	ASSET CAPITALIZATION PROGRAM (ACP)	A			73.9		77.7 U
190	ITEMS LESS THAN \$2,000,000	A		14.8	11.8		15.9 U
	ELECTRICAL EQUIPMENT						
191	GENERATORS-MOBILE ELECTRIC	A		13.0	25.5		4.3 U
192	ITEMS LESS THAN \$2,000,000	A		5.8	4.4		6.1 U
	BASE SUPPORT EQUIPMENT						
193	BASE PROCURED EQUIPMENT	A		49.1	34.2		38.5 U
194	MEDICAL/DENTAL EQUIPMENT	A		109.3	107.4		84.2 U
195	AIR BASE OPERABILITY	B		7.3	25.6		11.1 U
196	PALLET, AIR CARGO, 108"X88"	A	957	1.8	3.7	4132	3.8 U

• ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE  
FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: 29 JAN 1990

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS		S
			FY 1991 UNIT COST	FY 1989 COST	FY 1990 QUANTITY	FY 1991 COST	
197	PHOTOGRAPHIC EQUIPMENT	A		7.9	8.2		10.0 U
198	TACTICAL SHELTER	A			3.5		3.8 U
199	PRODUCTIVITY ENHANCEMENT	A		14.2	9.9		8.3 U
200	PRODUCTIVITY INVESTMENTS	A		1.5	5.0		14.1 U
201	MOBILITY EQUIPMENT	A		29.7	11.5		7.9 U
202	WARTIME HOST NATION SUPPORT	A		4.8	4.7		9.2 U
203	SPARES AND REPAIR PARTS	A		6.1	5.3		2.2 U
204	ITEMS LESS THAN \$2,000,000	A		23.2	18.3		24.6 U
	SPECIAL SUPPORT PROJECTS						
205	INTELLIGENCE PRODUCTION ACTIVITY	A		87.5	79.6		81.6 U
206	TECH SURV COUNTERMEASURES EQ	A		.9	1.0		1.9 U
207	PHOTO PROC/INTERPRET SYS	A		.3			U
208	SELECTED ACTIVITIES	A		4614.7	4831.6		5354.1 U
209	SPECIAL UPDATE PROGRAM	A		126.4	136.2		105.3 U
210	SPECIAL APPLICATION PROGRAM	A		4.2			U
211	INDUSTRIAL PREPAREDNESS	A		4.5	4.4		4.6 U
212	MISC EQUIPMENT	A		7.5			.5 U
213	MISC EQUIPMENT-SOF	A		2.5	1.8		U
214	MODIFICATIONS	A		1.1			.1 U

\* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE  
FY 1991 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: 29 JAN 1990

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1991 UNIT COST	MILLIONS OF DOLLARS			
				FY 1989 QUANTITY	FY 1989 COST	FY 1990 QUANTITY	FY 1990 COST
215	FIRST DESTINATION TRANSPORTATION	A					25.1 U
	TOTAL OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		5,370.0		5,572.3		6,051.2
	TOTAL OTHER PROCUREMENT, AIR FORCE		8,192.9		8,254.7		8,307.4

\* ITEMS UNDER \$50,000

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## **Preface**

The R.D.T. & E. Programs (R-1) exhibit is derived from and consistent with the DoD Five Year Defense ,  
Program R.D.T. & E. Annex data base.

The R-1 is provided annually to the DoD oversight committees of the Congress coincident with the trans-  
mittal by the President of the Budget of the United States Government. It is accompanied by an automated data  
base submission to the House Committee on Administration for input to the House Information System. An  
unclassified version of the document is provided to OASD(PA) for use by non-DoD activities.

Office of the Comptroller of the Department of Defense

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Department of Defense  
 FY 1991 R D T & E Program

Exhibit R-1

Summary

Date: 29 Jan 1990

Thousands of Dollars

	FY 1989	FY 1990	FY 1991
<b>Summary By Appropriation</b>			
Research Development Test & Eval Army	5,154,184	5,418,729	6,025,900
Research Development Test & Eval Navy	9,281,543	9,465,840	9,102,400
Research Development Test & Eval AF	14,668,184	13,496,884	13,276,300
Research Development Test & Eval Def Ag	8,181,937	8,145,493	9,249,300
Director of Test & Eval Defense	149,108	178,221	348,100
Director of Operational Test & Evaluation	70,654	12,725	90,800
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>37,505,610</b>	<b>36,717,892</b>	<b>38,092,800</b>
<b>Summary Recap of Research Categories</b>			
Research	950,675	923,481	977,814
Exploratory Development	2,540,776	2,403,096	2,457,536
Advanced Development	10,375,585	10,340,277	11,106,783
Engineering Development	11,413,253	11,301,861	10,941,677
Management and Support	2,808,449	2,530,056	2,849,099
Research and Development (FYDP Program 6)	28,088,738	27,498,771	28,332,909
Operational Systems Development	9,416,872	9,219,121	9,759,891
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>37,505,610</b>	<b>36,717,892</b>	<b>38,092,800</b>

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Department of Defense  
FY 1991 R D T & E Program

Exhibit R-1

Summary

Date: 29 Jan 1990

Thousands of Dollars

	FY 1989	FY 1990	FY 1991*
Summary Recap of Budget Activities			
Technology Base	3,506,029	3,326,577	3,435,350
Advanced Technology Development	5,836,589	5,858,118	6,316,564
Strategic Programs	6,427,543	5,364,261	5,608,906
Tactical Programs	12,989,112	13,446,108	13,480,526
Intelligence and Communications	4,512,406	4,779,041	4,957,401
Defensewide Mission Support	4,233,931	3,943,787	4,294,053
Total Research, Development, Test & Evaluation	37,505,610	36,717,892	38,092,800
Summary Recap of FYDP Programs			
Strategic Forces	656,588	598,246	644,014
General Purpose Forces	1,930,446	1,974,877	2,151,835
Intelligence and Communications	6,192,375	6,221,897	6,532,833
Airlift/Sealift	14,442	14,714	13,063
Guard and Reserve	78,998	19,945	
Research and Development (FYDP Program 6)	28,088,738	27,498,771	28,332,909
Central Supply and Maintenance	203,327	218,167	200,064
Administration and Assoc Activities		4,148	4,478
Support of Other Nations	3,548	4,702	6,452
Special Operations Forces	337,148	162,425	207,152
Total Research, Development, Test & Evaluation	37,505,610	36,717,892	38,092,800

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Department of the Air Force  
 FY 1991 R D T & E Program

Exhibit R-1

Summary

Date: 29 Jan 1990

Thousands of Dollars

	FY 1989	FY 1990	FY 1991
<b>Summary Recap of Research Categories</b>			
Research	197,212	189,624	201,476
Exploratory Development	587,928	565,732	580,111
Advanced Development	2,309,320	2,241,592	2,097,089
Engineering Development	5,352,782	4,928,916	4,499,882
Management and Support	641,609	551,691	621,286
Research and Development (FYDP Program 6)	9,088,851	8,477,555	7,999,844
Operational Systems Development	5,579,333	5,019,329	5,276,456
<b>Total Research Development Test &amp; Eval AF</b>	<b>14,668,184</b>	<b>13,496,884</b>	<b>13,276,300</b>
<b>Summary Recap of Budget Activities</b>			
Technology Base	785,140	755,356	781,587
Advanced Technology Development	757,688	639,179	646,060
Strategic Programs	5,334,097	4,475,363	4,262,197
Tactical Programs	4,067,135	3,884,590	3,777,193
Intelligence and Communications	2,056,615	2,123,992	2,265,100
Defensewide Mission Support	1,667,509	1,618,404	1,544,163
<b>Total Research Development Test &amp; Eval AF</b>	<b>14,668,184</b>	<b>13,496,884</b>	<b>13,276,300</b>
<b>Summary Recap of FYDP Programs</b>			
Strategic Forces	451,605	384,168	415,489
General Purpose Forces	974,068	921,223	950,507
Intelligence and Communications	3,784,057	3,520,019	3,788,967
Airlift/Sealift	14,442	14,714	13,063
Guard and Reserve	78,998	19,945	
Research and Development (FYDP Program 6)	9,088,851	8,477,555	7,999,844
Central Supply and Maintenance	120,948	111,207	99,941
Administration and Assoc Activities		4,148	4,478
Support of Other Nations	3,114	3,177	4,011
Special Operations Forces	152,101	40,728	
<b>Total Research Development Test &amp; Eval AF</b>	<b>14,668,184</b>	<b>13,496,884</b>	<b>13,276,300</b>

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Department of the Air Force  
 FY 1991 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test & Eval AF Date: 29 Jan 1990

Line Element No	Program	Item Nomenclature	Act	Thousands of Dollars		
				FY 1989	FY 1990	FY 1991 C
1	0601101F	In-House Laboratory Independent Research	1	6,942	7,450	8,318 U
2	0601102F	Defense Research Sciences	1	190,270	182,174	193,158 U
3	0602101F	Geophysics	1	36,093	36,868	36,457 U
4	0602102F	Materials	1	58,690	57,689	60,847 U
5	0602201F	Aerospace Flight Dynamics	1	71,479	65,911	67,378 U
6	0602202F	Human Systems Technology	1	52,825	48,928	51,142 U
7	0602203F	Aerospace Propulsion	1	66,458	66,128	62,583 U
8	0602204F	Aerospace Avionics	1	64,893	64,428	68,614 U
9	0602205F	Personnel, Training and Simulation	1	32,466	28,154	30,488 U
10	0602206F	Civil Engineering and Environmental Quality	1	6,577	5,860	5,615 U
11	0602302F	Rocket Propulsion	1	35,634	36,590	37,873 U
12	0602601F	Advanced Weapons	1	35,607	31,637	36,193 U
13	0602602F	Conventional Munitions	1	44,198	43,043	43,512 U
14	0602702F	Command Control and Communications	1	83,008	80,496	79,409 U
		Technology Base		785,140	755,356	781,587
15	0603106F	Logistics Systems Technology	2	13,668	9,114	11,758 U
16	0603109F	INEWS/ICNIA	2	36,651	36,364	29,572 U
17	0603112F	Advanced Materials for Weapon Systems	2	8,639	8,639	15,042 U
18	0603202F	Aerospace Propulsion Subsystems Integration	2	20,666	20,527	28,404 U

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Department of the Air Force  
 FY 1991 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test & Eval AF Date: 29 Jan 1990

Line Element No	Program Element No	Item Nomenclature	Act	Thousands of Dollars		
				FY 1989	FY 1990	FY 1991 C
19	0603203F	Advanced Avionics for Aerospace Vehicles	2	24,431	32,308	U
20	0603205F	Aerospace Vehicle Technology	2	18,149	21,338	U
21	0603211F	Aerospace Structures	2	17,143	19,135	U
22	0603216F	Aerospace Propulsion and Power Technology	2	31,778	40,154	U
23	0603227F	Personnel, Training and Simulation Technology	2	8,278	8,198	U
24	0603231F	Crew Systems and Personnel Protection Technology	2	19,530	18,319	U
25	0603245F	Advanced Fighter Technology Integration	2	21,585	23,803	U
26	0603250F	Lincoln Laboratory	2	25,003	27,609	U
27	0603253F	Advanced Avionics Integration	2	10,735	15,079	U
28	0603269F	National Aero Space Plane Technology Program	2	228,443	158,000	U
29	0603270F	EW Technology	2	34,716	36,939	U
30	0603302F	Space and Missile Rocket Propulsion	2	8,562	12,568	U
31	0603363F	Armament Technology Integration	2	5,521	1,219	U
32	0603401F	Advanced Spacecraft Technology	2	7,947	13,023	U
33	0603410F	Space Systems Environmental Interactions Technology	2	3,909	4,252	U
34	0603452F	Very High Speed Integrated Circuits	2	43,680		U
35	0603601F	Conventional Weapons	2	24,840	29,497	U
36	0603605F	Advanced Weapons Technology	2	88,411	55,904	U
37	0603707F	Weather Systems - Adv Dev	2	5,247	5,622	U
38	0603723F	Civil and Environmental Engineering Technology	2	7,567	10,170	U

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Department of the Air Force  
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Exhibit R-1

Date: 29 Jan 1990

Appropriation: 3600 F Research Development Test & Eval AF

Thousands of Dollars

Line Element No	Program Element No	Item Nomenclature	Act	FY 1989	FY 1990	FY 1991 c	U
39	0603726F	C3I Subsystem Integration	2	7,971	7,465	9,446	U
40	0603728F	Advanced Computer Technology	2	6,979	7,607	9,073	U
41	0603751F	Training Systems Technology	2	467			U
42	0603789F	C3 Advanced Development	2	18,547	8,527	9,628	U
43	1140011F	Advanced Special Operations Research, Development and Acquisition	2	2,285			U
Advanced Technology Development				757,688	639,179	646,060	U
44	0603105F	Olympic	3				U
45	0603110F	Special Evaluation Program	3				U
46	0603111F	Meridian	3				U
47	0603311F	Advanced Strategic Missile Systems	3	139,780	69,904	100,344	U
48	0603321F	Bell Weather	3				U
49	0603364F	Short Range Attack Missile II (SRAM II) - Adv Dev	3	190,883			U
50	0603367F	Relocatable Target Capability Program	3	19,133	6,357	7,049	U
51	0603428F	Space Surveillance Technology	3			34,138	U
52	0603717F	Technical On-site Inspection Program	3	9,150			U
53	0604226F	B-1B	3	218,828			U
54	0604240F	B-2 Advanced Technology Bomber	3	2,176,534	1,881,448	1,566,692	U
55	0604244F	Short Range Attack Missile II (SRAM II) - Eng Dev	3		215,630	156,882	U
56	0604312F	ICBM Modernization	3	844,670	889,010	757,671	U

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 FY 1991 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test & Eval AF

Date: 29 Jan 1990

Thousands of Dollars

Program Line Element No	Item Nomenclature	Act	FY 1989	FY 1990	FY 1991	U
57	0604326F Strategic Conventional Standoff Capability (SCSC)	3	27,810			U
58	0604361F Air Launched Cruise Missile (ALCM)	3	835	1,347		U
59	0604711F Systems Survivability (Nuclear Effects)	3	8,054	7,626	8,839	U
60	0101120F Advanced Cruise Missile	3	96,950	42,998	52,307	U
61	0101142F KC-135 Squadrons	3	3,111	2,189	3,573	U
62	0101213F Minuteman Squadrons	3	33,392	60,000	87,442	U
63	0101312F PACCS and WWBNCP System EC-135 Class V Mods	3	1,185	1,186	1,278	U
64	0101313F War Planning Automated Data Processing (ADP) - SAC	3	18,636	13,811	4,764	U
65	0101815F Advanced Strategic Programs	3				U
66	0102310F NCMC - TW/AA Systems	3	68,456	113,620	104,699	U
67	0102311F NCMC - Space Defense Systems	3	23,032			U
68	0102313F Ballistic Missile Tactical Warning/Attack Assessment System	3	2,481			U
69	0102325F Joint Surveillance System	3	1,662	1,614	1,678	U
70	0102411F Surveillance Radar Stations/Sites	3	1,559	6,290	8,204	U
71	0102412F Distant Early Warning (DEW) Radar Stations	3			1,047	U
72	0102417F Over-the-Horizon Backscatter Radar	3	18,389	20,215	12,851	U
73	0102423F Ballistic Missile Early Warning System (BMEWS)	3	23,558	16,314	22,329	U
74	0102424F SPACETRACK	3	12,295	15,626	15,527	U
75	0102431F Defense Support Program	3	100,355	79,971	69,990	U
76	0102432F Submarine-Launched Ballistic Missile (SLBM) Radar Warning System	3	9,815	3,599	2,294	U

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Department of the Air Force  
 FY 1991 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test & Eval AF Date: 29 Jan 1990

Line Element No	Program Number	Item Nomenclature	Act	Thousands of Dollars		
				FY 1989	FY 1990	FY 1991 c
77	0102433F	NUDET Detection System	3	10,794	6,735	5,125 U
78	0102436F	Command Center Processing and Display System	3	25,935		U
79	0303131F	Minimum Essential Emergency Communications Network (MEECN)	3	41,420	10,034	9,677 U
80	0303152F	World-Wide Military Command and Control Systems. Information System	3	2,271	3,435	1,540 U
81	0303154F	WWMCCS ADP Modernization	3	61,749		U
82	0303601F	Milstar Satellite Communications System (AF Terminals)	3	305,345	210,193	24,425 U
83	0303603F	Milstar Satellite Communications System	3	272,778	400,000	744,164 U
84	0305124F	Special Applications Program	3			U
85	0305172F	BERNIE	3			U
86	0305892F	Special Analysis Activities	3			U
87	0401123F	Military Airlift Group (IF)	3	827		U
Strategic Programs				5,334,097	4,475,363	4,262,197
88	0603107F	Technical Evaluation System	4			U
89	0603230F	Advanced Tactical Fighter	1	674,531	1,045,892	763,923 U
90	0603260F	Intelligence Advanced Development	1	4,892	5,156	4,382 U
91	0603307F	Air Base Operability Advanced Development	4	4,961	2,794	3,430 U
92	0603320F	Low Cost Anti-Radiation Seeker	4	12,191	7,632	U
93	0603617F	Command, Control, and Communication Applications	4		7,826	8,221 U
94	0603742F	Combat Identification Technology	4	1,920	1,959	2,026 U

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Department of the Air Force  
FY 1991 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test &amp; Eval AF

Date: 29 Jan 1990

Line Element No Number	Item Nomenclature	Act	Thousands of Dollars			
			FY 1989	FY 1990	FY 1991 C	FY 1991 Y
95 0603801F	Special Programs	4				U
96 0604201F	Aircraft Avionics Equipment Development	4	20,651	13,157	13,295	U
97 0604212F	Aircraft Equipment Development	4	3,113	1,471	2,942	U
98 0604218F	Engine Model Derivative Program (EMDP)	4	935	450	1,019	U
99 0604222F	Nuclear Weapons Support	4	2,129	2,232	2,838	U
100 0604223F	Alternate Fighter Engine	4	31,127	61,758	5,104	U
101 0604231F	C-17 Program	4	905,520	885,227	541,081	U
102 0604233F	Tanker, Transport, Bomber Training System	4	4,081	3,602	2,401	U
103 0604236F	Infrared Search and Track System	4	4,542	2,449		U
104 0604237F	Variable Stability In-Flight Simulator Test Aircraft	4	7,731	12,348	7,316	U
105 0604239F	Advanced Tactical Fighter FSD	4			283,441	U
106 0604242F	Advanced Tactical Aircraft	4				U
107 0604245F	Short Range Attack Missile - Tactical (SRAM-T)	4		54,650	118,581	U
108 0604247F	Modular Automatic Test Equipment	4	11,423	13,926	13,047	U
109 0604249F	Night/Precision Attack	4	6,353	11,514	7,692	U
110 0604250F	Integrated EW/CNI Development	4	119,568	103,194	16,608	U
111 0604268F	Aircraft Engine Component Improvement Program	4	93,380	75,900	93,561	U
112 0604270F	EW Development	4	96,191	70,256	159,351	U
113 0604315F	Advanced Short Range Air-to-Air Missile (ASRAM)	4	980			U
114 0604321F	Joint Tactical Fusion Program	4	7,947	4,796		U

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Department of the Air Force  
FY 1991 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test &amp; Eval AF

Date: 29 Jan 1990

Thousands of Dollars

Program Line Element No	Item Nomenclature	Act	FY 1989	FY 1990	FY 1991	U C
115	0604327F Hardened Target Munitions	4	6,122	6,408		U
116	0604601F Chemical/Biological Defense Equipment	4	17,620	7,945	8,350	U
117	0604602F Armament/Ordnance Development	4	14,846	4,236	10,837	U
118	0604604F Submunitions	4	7,162	6,349	7,596	U
119	0604607F Wide-Area, Anti-Armor Munitions	4	25,942	25,125	23,879	U
120	0604617F Air Base Operability	4	13,787	11,154	6,512	U
121	0604703F Aeromedical Systems Development	4	6,680	5,847	7,499	U
122	0604704F Common Support Equipment Development	4	1,255	6,967	15,119	U
123	0604706F Life Support Systems	4	16,983	12,937	12,586	U
124	0604708F Civil, Fire, Environmental, Shelter Engineering	4	7,119	2,230	2,191	U
125	0604725F Combat Identification Systems	4	82,612	34,037		U
126	0604733F Surface Defense Suppression	4	42,435	8,922	11,158	U
127	0604740F Computer Resources Management Technology	4	12,960	11,662	12,610	U
128	0604750F Intelligence Equipment	4	4,778	3,522	3,911	U
129	0604754F Joint Tactical Information Distribution System (JTIDS)	4	48,764	17,651	38,312	U
130	0604756F Side Looking Airborne Radar	4	5,216	8,155	4,135	U
131	0604770F Joint Surveillance/Target Attack Radar System (JSTARS)	4	232,112	88,083	232,483	U
132	0604779F Joint Interoperability of Tactical Command & Control Systems (JINTACCS)	4	5,707	6,271	6,632	U
133	0207129F F-111 Squadrons	4	20,961	32,369	11,317	U
134	0207130F F-15A/B/C/D Squadrons	4	84,780	2,749		U

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Thousands of Dollars						
135	0207131F	A-10 Squadrons	4	6,000	1,983	U
136	0207133F	F-16 Squadrons	4	23,112	25,000	70,056 U
137	0207134F	F-15E Squadrons	4	83,584	89,110	U
138	0207136F	F-4G WILD WEASEL Squadrons	4	4,487	2,625	U
139	0207137F	CONSTANT HELP	4			U
140	0207141F	F-117A Squadrons	4			U
141	0207162F	Tactical AGM Missiles	4	3,881	2,485	509 U
142	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	4	14,929	14,929	25,516 U
143	0207168F	F-111 Self Protection Systems	4	4,560		U
144	0207169F	SEEK CLOCK	4			U
145	0207215F	TR-1 Squadron	4	99,115	110,710	54,764 U
146	0207217F	Follow-On Tactical Reconnaissance System	4	59,797	64,850	47,248 U
147	0207247F	AF TENCAP	4	822	335	346 U
148	0207316F	TACIT RAINBOW	4	39,124	20,997	9,759 U
149	0207411F	Overseas Air Weapon Control System	4	8,912	1,387	2,311 U
150	0207412F	Tactical Air Control Systems	4	13,080	17,212	17,075 U
151	0207417F	Airborne Warning and Control System (AWACS)	4	117,024	114,900	133,810 U
152	0207423F	Advanced Communications Systems	4	10,228	11,228	6,385 U
153	0207424F	Copper Coast	4			U
154	0207431F	Tactical Air Intelligence System Activities	4	462		484 U

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Program Element No	Item Nomenclature	Act	Thousands of Dollars		
			FY 1989	FY 1990	FY 1991 c
155	0207433F Tactical Improvement Program	4			U
156	0207435F Tactical Reconnaissance Imagery and Exploitation	4	1,525		U
157	0207579F Advanced Systems Improvements	4			U
158	0207585F SEEK SPINNER	4	19,900		U
159	0207590F Seek Eagle	4		16,497	14,549 U
160	0207591F OMEGA	4			U
161	0208006F Mission Planning Systems	4		2,485	18,146 U
162	0208010F Joint Tactical Communications Program (TRI-TAC)	4	1,214		3,514 4,833 U
163	0208021F Electronic Combat Support	4		2,490	2,770 U
164	0208042F HAVE FLAG	4			U
165	0303605F Satellite Communications Terminals	4	17,653		5,915 6,071 U
166	0305137F National Airspace System (NAS) Plan	4			35,000 U
167	0305142F CENTENNIAL	4			U
168	0305158F Constant Source	4			6,714 U
169	0305887F Electronic Combat Intelligence Support	4		1,744	1,841 U
170	0401316F Senior Citizen	4			U
171	0401840F MAC Command and Control System	4	9,907		10,919 11,626 U
172	0502610F A-7 Squadrons (ANG)	4	78,998		19,945 U
173	1110011F Force Enhancements-Active	4	152,101		38,443 U
Tactical Programs			4,067,135	3,884,590	3,777,193

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Line Element No	Program	Item Nomenclature	Act	Thousands of Dollars			U
				FY 1989	FY 1990	FY 1991 C	
174	0301305F	Intelligence Production Activities	5				U
175	0301310F	Foreign Technology Division	5				U
176	0301314F	Infrared/Electro-Optical/Dir. Energy Weapons Processing and Exploitation	5				U
177	0301315F	Missile and Space Technical Collection	5				U
178	0301317F	SENIOR YEAR Operations	5				U
179	0301324F	FOREST GREEN	5				U
180	0301357F	NUDET Detection System	5				U
181	0303110F	Defense Satellite Communications System	5	32,565	25,105	16,484	U
182	0303126F	Long-Haul Communications (DCS)	5	4,304	3,215	3,570	U
183	0303144F	Electromagnetic Compatibility Analysis Center (ECAC)	5	8,395	8,746	9,637	U
184	0303401F	Communications Security (COMSEC)	5				U
185	0304111F	Special Activities	5				U
186	0305114F	Traffic Control, Approach, and Landing System (TRACALS)	5	30,613	20,809	16,557	U
187	0305159F	Defense Reconnaissance Support Activities	5				U
188	0305164F	NAVSTAR Global Positioning System (User Equipment)	5	40,736	35,171	12,923	U
189	0305165F	NAVSTAR Global Positioning System (Space and Control Segments)	5	46,421	32,863	48,871	U
190	0305185F	CAVALRY	5				U
Intelligence and Communications				2,056,615	2,123,992	2,265,100	
191	0603402F	Space Test Program	6	43,391	48,951	51,524	U

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				FY 1989	FY 1990	FY 1991 C
192	0603438F	Satellite Systems Survivability	6	4,873	10,266	10,558 U
193	0604211F	Advanced Aerial Target Development	6	3,631	3,248	16,209 U
194	0604227F	Training Systems Development	6	64,045	58,186	41,220 U
195	0604243F	Manpower, Personnel and Training Development	6		4,392	3,494 U
196	0604408F	Advanced Launch System	6		86,222	60,314 U
197	0604609F	R&M Maturation/Technology Insertion	6	22,388	19,166	19,532 U
198	0604707F	Weather Systems - Eng Dev	6	8,420	4,775	5,361 U
199	0604735F	Range Improvement	6	20,196	80,963	100,928 U
200	0604747F	Electromagnetic Radiation Test Facilities	6	5,253	4,181	4,788 U
201	0604755F	Improved Capability for Development Test & Evaluation	6	51,269	51,529	45,720 U
202	0605101F	Project Air Force	6	21,881	23,320	24,611 U
203	0605306F	Ranch Hand II Epidemiology Study	6	313	1,375	1,524 U
204	0605502F	Small Business Innovative Research	6	71,145		U
205	0605708F	Navigation/Radar/Sled Track Test Support	6	20,394	23,032	27,223 U
206	0605712F	Initial Operational Test and Evaluation	6			20,884 U
207	0605807F	Test and Evaluation Support	6	301,105	294,352	318,639 U
208	0605808F	Development Planning	6	17,052	6,814	9,138 U
209	0605809F	DYCOMS	6	9,053	4,968	3,369 U
210	0605863F	RD&E Aircraft Support	6	54,146	54,249	61,793 U
211	0605894F	Real Property Maintenance - RD&E	6	82,640	81,544	92,383 U

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Line Element No	Program Element No	Item Nomenclature	Act	Thousands of Dollars		
				FY 1989	FY 1990	FY 1991 <sup>e</sup> c
212	0605896F	Base Operations - RDT&E	6	63,880	62,037	61,722 U
213	0305110F	Satellite Control Network	6	92,254	85,579	127,454 U
214	0305119F	Medium Launch Vehicles	6	462,092	361,527	234,297 U
215	0305130F	Consolidated Space Operations Center	6	34,913	26,938	24,323 U
216	0305160F	Defense Meteorological Satellite Program (DMSP)	6	51,381	47,641	49,666 U
217	0305171F	Space Shuttle Operations	6	37,732	54,617	19,059 U
218	070112F	Inventory Control Point Operations	6	4,399	4,621	4,881 U
219	0702207F	Depot Maintenance (Non-IF)	6	953	2,428	2,740 U
220	0708011F	Industrial Preparedness	6	96,430	85,000	72,133 U
221	0708026F	Productivity, Reliability, Availability, Maintain. Prog Ofc (PRAMPO)	6	19,166	19,158	20,187 U
222	0901218F	Civilian Compensation Program	6		4,148	4,478 U
223	1001004F	International Activities	6	3,114	3,177	4,011 U
Defensewide Mission Support				1,667,509	1,618,404	1,544,163
Total Research Development Test & Eval AF				14,668,184	13,496,884	13,276,300

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