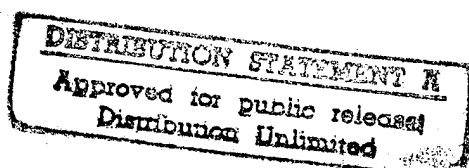


R, D, T and E (Research, Development,
Test and Evaluation) Program (R-1),
Department of Defense Budget for
Fiscal Year 1984

(U.S.) Department of Defense
Washington, DC

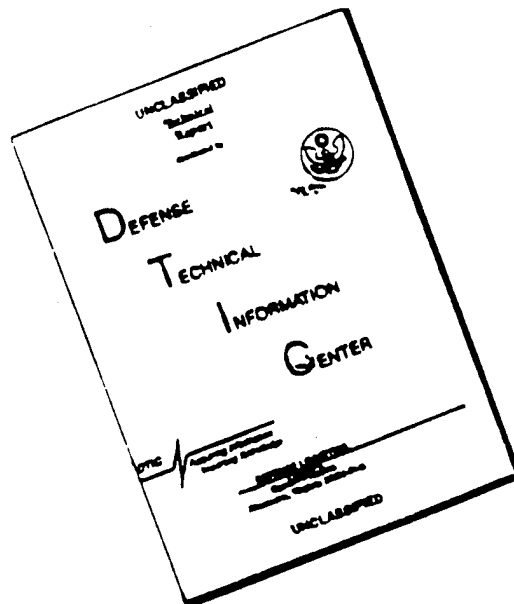
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PB83-156075

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



*DEPARTMENT OF DEFENSE BUDGET
FOR FISCAL YEAR 1984*

JANUARY 31, 1983

REPORT DOCUMENTATION PAGE	1. REPORT NO.	2.	3. Recipient's Accession No. PB83-156075
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15. Supplementary Notes			
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17. Document Analysis			
a. Descriptors			
Department of Defense	Development	R-1	
FY 1984	Test		
Budget	Evaluation		
Research	R,D,T&E Program		
b. Identifiers/Open-Ended Terms			
c. COSATI Field/Group			
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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 transmission 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 is provided to OASD(PA) for use by non-DoD activities.

Office of the Assistant Secretary of Defense

Comptroller

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DEPARTMENT OF DEFENSE
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

SUMMARY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

	FY 1982	FY 1983	FY 1984	FY 1985
SUMMARY BY APPROPRIATION				
RESEARCH DEVELOPMENT TEST + EVAL, ARMY	3,619,535	3,884,783	4,792,200	6,617,514
RESEARCH DEVELOPMENT TEST + EVAL, NAVY	5,834,626	6,086,031	6,181,043	9,811,820
RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE	8,897,771	10,625,561	13,652,273	14,100,324
RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	1,697,646	2,153,189	2,939,900	3,415,902
DIRECTOR OF TEST + EVALUATION, DEFENSE	53,000	55,000	56,800	60,248
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	20,102,578	22,804,564	29,622,216	34,205,808
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH	697,298	779,132	850,440	936,458
EXPLORATORY DEVELOPMENT	2,235,303	2,433,680	2,693,245	3,007,020
ADVANCED DEVELOPMENT	3,448,521	3,851,648	6,364,891	10,133,687
ENGINEERING DEVELOPMENT	7,692,985	6,641,451	10,518,434	9,804,520
MANAGEMENT AND SUPPORT	2,032,157	2,200,839	2,371,872	2,585,061
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	16,106,264	17,906,750	22,798,882	26,466,746
OPERATIONAL SYSTEMS DEVELOPMENT	3,996,314	4,897,814	6,823,334	7,739,062
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	20,102,578	22,804,564	29,622,216	34,205,808

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DEPARTMENT OF DEFENSE
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

SUMMARY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

	FY 1982	FY 1983	FY 1984	FY 1985
SUMMARY RECAP OF BUDGET ACTIVITIES				
TECHNOLOGY BASE	2,932,601	3,212,812	3,543,686	3,943,478
ADVANCED TECHNOLOGY DEVELOPMENT	751,211	820,425	1,233,118	1,619,240
STRATEGIC PROGRAMS	4,636,354	5,900,741	9,159,503	10,632,074
TACTICAL PROGRAMS	6,889,578	7,228,805	8,849,478	10,126,838
INTELLIGENCE AND COMMUNICATIONS	2,160,384	2,724,886	3,576,304	4,200,182
DEFENSEWIDE MISSION SUPPORT	2,732,450	2,916,895	3,260,128	3,683,996
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	20,102,578	22,804,564	29,622,216	34,205,808

SUMMARY RECAP OF FYDP PROGRAMS

STRATEGIC FORCES	710,602	781,813	798,998	883,982
GENERAL PURPOSE FORCES	874,861	1,144,807	1,691,610	1,913,086
INTELLIGENCE AND COMMUNICATIONS	2,371,959	2,941,846	4,280,717	5,099,863
AIRLIFT/SEALIFT	23,944	10,822	11,760	4,597
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	16,106,264	17,906,750	22,798,882	26,466,746
CENTRAL SUPPLY AND MAINTENANCE	11,458	13,738	22,453	27,713
TRAINING MEDICAL AND OTHER	800		2,874	5,107
SUPPORT OF OTHER NATIONS	2,670	4,788	4,922	4,714
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	20,102,578	22,804,564	29,622,216	34,205,808

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ARMY

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DEPARTMENT OF THE ARMY
 FY 1984 R D T & E PROGRAM

EXHIBIT R-1

SUMMARY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

	FY 1982	FY 1983	FY 1984	FY 1985
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH	179,197	202,402	221,409	240,120
EXPLORATORY DEVELOPMENT	423,338	461,857	514,145	570,619
ADVANCED DEVELOPMENT	919,262	1,143,940	1,710,008	3,215,351
ENGINEERING DEVELOPMENT	1,174,739	989,561	1,094,253	1,265,284
MANAGEMENT AND SUPPORT	692,390	795,327	829,545	969,519
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	3,378,326	3,593,087	4,369,360	6,260,893
OPERATIONAL SYSTEMS DEVELOPMENT	240,609	291,696	422,340	556,621
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	3,619,535	3,884,783	4,792,200	6,817,514
SUMMARY RECAP OF BUDGET ACTIVITIES				
TECHNOLOGY BASE	602,535	664,259	735,554	810,739
ADVANCED TECHNOLOGY DEVELOPMENT	200,008	259,222	419,496	675,009
STRATEGIC PROGRAMS	462,109	569,376	763,062	1,619,838
TACTICAL PROGRAMS	1,568,843	1,511,901	1,937,170	2,578,180
INTELLIGENCE AND COMMUNICATIONS	54,731	76,355	88,659	123,756
DEFENSEWIDE MISSION SUPPORT	731,309	804,670	848,259	1,009,992
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	3,619,535	3,884,783	4,792,200	6,817,514
SUMMARY RECAP OF FYDP PROGRAMS				
STRATEGIC FORCES	22,852	50,309	44,353	39,621
GENERAL PURPOSE FORCES	161,517	183,586	284,784	385,335
INTELLIGENCE AND COMMUNICATIONS	56,240	57,801	93,703	131,665
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	3,378,926	3,593,087	4,369,360	6,260,893
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	3,619,535	3,884,783	4,792,200	6,817,514

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DEPARTMENT OF THE ARMY
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985
1	61101A IN-HOUSE LAB INDEPENDENT RESEARCH	1	21,529	21,902	22,251	25,986 U
2	61102A DEFENSE RESEARCH SCIENCES	1	157,668	160,500	199,156	214,134 U
3	62105A MATERIALS	1	13,205	9,588	12,298	11,394 U
4	62111A ATMOSPHERIC INVESTIGATIONS	1	5,034	5,031	5,012	6,115 U
5	62120A FUZE/NUCLEAR WPNS EFFECTS/FLUIDICS	1	8,050	6,514	9,923	0,558 U
6	62201A AIRCRAFT WEAPONS TECHNOLOGY	1	4,000	2,485	3,132	3,342 U
7	62202A AIRCRAFT AVIONICS TECHNOLOGY	1	5,677	7,278	8,561	8,180 U
8	62209A AERONAUTICAL TECHNOLOGY	1	16,522	22,286	25,612	28,022 U
9	62210A AIRDROP TECHNOLOGY	1	1,415	1,684	2,038	2,170 U
10	62303A MISSILE TECHNOLOGY	1	28,793	32,558	34,962	36,141 U
11	62307A LASER WEAPON. TECHNOLOGY	1	23,295	41,881	32,839	36,284 U
12	62601A TANK AND AUTOMOTIVE TECHNOLOGY	1	17,437	16,952	24,662	22,849 U
13	62603A LARGE CAL AND NUCLEAR TECHNOLOGY	1	22,652	16,793		
14	62617A SMALL CAL AND FIRE CNTRL TECHNOLOGY	1	10,870	9,473	9,535	10,547 U
15	62618A BALLISTICS TECHNOLOGY	1	25,840	20,776	17,485	20,969 U
16	62622A CHEMICAL AND SMOKE MUNITIONS	1	20,214	12,793	12,959	15,148 U
17	62623A JOINT SERVICE SMALL ARMS PROGRAM (JSSAP)	1		3,696	4,342	4,475 U
18	62701A COMMUNICATIONS TECH	1	7,000	8,695	16,339	23,816 U
19	62703A CSTA & IDENTIFICATION	1	2,544	2,910	5,391	8,236 U
20	62704A MIL ENVIRONMENTAL CRITERIA DEV	1	2,674	2,577	2,937	3,081 U
21	62705A ELECTRICAL AND ELECTRONIC DEVICES	1	15,671	17,675	18,674	24,792 U

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DEPARTMENT OF THE ARMY
FY 1984 R D T & E PROGRAM

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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985	S E C
22	62706A CB DEF & GEN INVEST	1	26,898	28,508	34,833	37,488	U
23	62707A MAPPING - GEODESY	1	5,710	6,382	8,336	9,051	U
24	62709A NIGHT VISION INVESTIGATIONS	1	11,472	13,561	19,942	23,580	U
25	62715A TACTICAL ELECTRONIC WARFARE TECHNOLOGY	1	8,226	10,617			
26	62716A HUMAN FACTORS ENGR IN SYS DEV	1	8,547	9,052	11,226	12,170	U
27	62717A HUMAN PERFORMANCE EFFECT/SIMULATION	1	3,348	3,571	4,496	5,126	U
28	62719A MOBILITY AND WEAPONS EFFECTS TECH	1	6,226	7,479	8,918	9,330	U
29	62720A ENVIRONMENTAL QUALITY TECH	1	7,129	8,683	8,363	8,722	U
30	62722A MANPOWER/PERSONNEL/TRAINING	1	6,481	6,048	7,923	8,008	U
31	62723A CLOTHING EQUIP AND SHELTER TECH	1	4,827	8,000	6,468	6,977	U
32	62724A JT SVC FOOD SYS TECH	1	5,566	5,580	6,106	6,583	U
33	62725A COMPUTER AND INFORMATION SCIENCE	1	1,884	1,961	1,978	2,239	U
34	62727A NON-SYSTEM TRAINING DEVICES	1	2,457	2,892	4,625	4,990	U
35	62728A EXPLORATORY APPLICATIONS OF HIGH TECHNOLOGY	1			3,861	3,888	U
36	62730A COLD REGIONS ENGINEERING TECHNOLOGY	1	5,403	5,983	7,058	7,498	U
37	62731A MILITARY FACILITIES ENGINEERING TECHNOLOGY	1	3,362	4,138	4,480	4,631	U
38	62733A MOBILITY EQUIPMENT TECHNOLOGY	1	10,601	13,846	12,067	13,008	U
39	62734A MED DEFENSE AGAINST CHEM AGENTS	1	24,080	26,189	30,612	33,382	U
40	62746A TACTICAL ADP TECH	1	7,975	7,056	7,508	13,116	U
41	62770A MILITARY DISEASE HAZARDS TECH	1	18,139	23,646	24,828	23,629	U
42	62772A COMBAT CASUALTY CARE TECH	1	6,501	6,663	7,136	8,591	U

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DEPARTMENT OF THE ARMY
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

DATE: 31 JAN 1983

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

THOUSANDS OF DOLLARS

PROGRAM ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
43	62776A COMBAT MAXILLOFACIAL INJURY	1	1,510	2,017	2,505	2,912 U
44	62777A SYSTEMS HEALTH HAZARD PREVENT TECH	1	13,881	16,454	17,808	18,535 U
45	62781A ENERGY TECH APPL FOR MILITARY FACIL	1	2,032	1,886	1,900	2,251 U
	TECHNOLOGY BASE		602,535	664,259	735,554	810,739
46	63102A MATERIALS AND STRUCTURES ADVANCED DEVELOPMENT	2	4,736	6,460	12,341	20,355 U
47	63104A FUELS AND LUBRICANTS ADVANCED DEVELOPMENT	2	1,228	1,866	3,073	4,590 U
48	63201A AIRCRAFT POWER PLANTS AND PROPULSION	2	4,491	7,636	22,725	36,728 U
49	63206A AIRCRAFT WEAPONS	2	4,489	200	6,894	8,035 U
50	63207A AIRCRAFT AVIONICS EQUIPMENT	2	4,314	2,558	4,945	6,953 U
51	63208A AIR MOBILITY SUPPORT	2	2,787	3,641	7,162	9,122 U
52	63211A ROTARY WING CONTROLS/ROTORS/STRUCTURES	2	28,438	32,615	34,649	41,412 U
53	63216A SYNTHETIC FLIGHT SIMULATORS DEVELOPMENT	2	5,980	3,522	13,986	11,274 U
54	63218A AIRDROP ADVANCEMENT	2	2,068	1,684	2,031	5,004 U
55	63220A ADVANCED ROTORCRAFT TECH INTEGRATION (ARTI)	2			2,027	13,413 U
56	63221A NOE AVIATION AND NAVIGATION EQUIPMENT	2	1,830	1,494	1,424	2,098 U
57	63306A TERMINALLY GUIDED PROJECTILES	2	1,997	6,795	18,849	47,439 U
58	63313A MSL/ROCKET COMPONENTS	2	2,311	9,157	20,568	54,801 U
59	63314A HI-ENERGY LASER COMPONENTS	2			14,001	42,423 U
60	63322A BATTLEFIELD ENVIRONMENT SIMULATION	2				7,487 U
61	63324A ARMY DEVEL & EMPLOYMENT ACTIVITY-ADEA	2		7,300	38,620	29,055 U
62	63602A ADVANCED LAND MOB SYSTEMS CONCEPTS	2	7,127	7,745	7,650	28,254 U

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DEPARTMENT OF THE ARMY
FY 1984 R D T & E PROGRAM

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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

LINE ELEMENT NO	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985	C
63	63606A	LANDMINE WARFARE/BARRIER DEV	2	9,923	9,298	14,218	11,453	U
64	63607A	JOINT SERVICE SMALL ARMS PROGRAM (JSSAP)	2	6,597	2,709	1,737	4,747	U
65	63621A	COMBAT VEHICLE PROPULSION SYS	2	9,120	12,882	13,189	36,537	U
66	63626A	ADVANCED DIESEL ENGINE (H)	2	1,100				U
67	63631A	CMBT VEH TURRET AND CHASSIS SUBSYS	2	7,056	10,115	12,183	29,310	U
68	63636A	COMBAT VEHICLE ARMOR/ANTI-ARMOR	2		9,860	8,746	14,587	U
69	63637A	ADV PROPULSION/LAUNCH SYS FOR MUN	2			628	670	U
70	63702A	ELECTRIC POWER SOURCES	2	3,684				U
71	63710A	NIGHT VISION ADVANCED DEVELOPMENT	2	33,591	33,739	29,189	46,430	U
72	63725A	REMOTELY PILOTED VEHICLES/DRONES	2	1,303	4,155	6,359	6,572	U
73	63731A	MANPOWER AND PERSONNEL	2	4,159	7,479	12,021	14,457	U
74	63732A	COMBAT MEDICAL MATERIAL	2	190				U
75	63734A	MILITARY ENGINEERING TECHNOLOGY	2	269	1,726	2,050	1,296	U
76	63737A	ANTI-RADIATION MSL COUNTER MEASURES	2		5,493			U
77	63739A	HUMAN FACTORS IN TNG/OPER EFFECT	2	3,225	3,745	8,277	7,524	U
78	63742A	ADV ELECTRONIC DEVICES DEV	2	1,588	3,995	3,810	5,855	U
79	63743A	EDUCATION AND TRAINING	2	8,783	9,737	11,710	10,662	U
80	63744A	TRAINING SIMULATION	2	2,362	2,783	3,088	3,827	U
81	63747A	SOLDIER SUPPORT/SURVIVABILITY	2	3,204				U
82	63748A	TEST MEASUREMENT & DIAGNOSTIC EQUIPMENT DEVEL	2	2,969	7,000	1,836	496	U
83	63749A	TECHNICAL VULNERABILITY REDUCTION	2	12,899	10,169	7,948	7,285	U

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DEPARTMENT OF THE ARMY
 FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C	
84	63750A DRUG AND VACCINE DEVELOPMENT	2	5,073				U
85	63751A MEDICAL DEFENSE AGAINST CHEM WARFARE	2	2,620				U
86	63752A DEMILITARIZATION CONCEPTS	2	8,507	12,730	11,278	8,479	U
87	63756A ADV SOFTWARE TECH	2			19,293	28,184	U
88	63756A AI/ROBOTICS DEMO	2			7,959	19,827	U
89	63761A ELEC WRFR VULN/SUSCEP TECH SUPPORT	2		8,015			
90	63762A ELECTRONIC WARFARE FEASIBILITY DEVELOPMENT	2		4,982	9,790	9,199	U
91	63763A INDUSTRIAL BASE BIO WRFR VACCINES/DRUGS	2		4,937	9,580	17,823	U
	ADVANCED TECHNOLOGY DEVELOPMENT		200,008	258,222	419,496	675,009	
92	63304A BMD ADVANCED TECHNOLOGY	3	126,494	142,833	170,875	183,935	U
93	63308A BALLISTIC MSL DEF SYS TECH	3	335,615	376,234	638,380	1,380,052	U
94	12814A SPECIAL PROGRAM	3					
95	12821A CLASSIFIED PROGRAM	3					
96	33152A WIS MODERNIZATION	3			9,454	16,230	U
	STRATEGIC PROGRAMS		462,109	569,376	763,062	1,619,838	
97	63216A JOINT SURVIVABILITY INVESTIGATIONS	4	820	1,100	1,077	1,165	U
98	63217A GREATER SLOPE	4		19,943	19,293	29,157	U
99	63256A JVX-JOINT SVCS VERTICAL LIFT A/C DEVEL PROG	4			36,497	99,427	U
100	63302A ANTI-TACTICAL MISSILE SYSTEM	4		10,000	33,275	148,927	U
101	63303A SURF-TO-SURF MSL ROCKET SYS	4	990	6,382	20,442	27,131	U

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DEPARTMENT OF THE ARMY
FY 1984 R D T & E PROGRAM

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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM ELEMENT NO

ITEM NOMENCLATURE

ACT

FY 1982

FY 1983

FY 1984

FY 1985 C

E

102	63316A	ADVANCED ROCKET CONTROL SYSTEM	4		31,069		44,974	U
103	63320A	CORPS SUPPORT WEAPON SYSTEM	4	11,857	6,086			U
104	63323A	LIGHT WEIGHT AIR DEFENSE SYSTEM	4				41,587	U
105	63604A	NUCLEAR MUNITIONS AND RADIACS	4	2,249	3,453			
106	63612A	ADV ANTI-TANK WPN SYS	4				9,741	U
107	63615A	LETHAL CHEMICAL MUNITIONS CONCEPTS	4	10,149		15,527	17,399	U
108	63619A	LANDMINE/BARRIER SYS	4	2,365	8,483	17,043	18,154	U
109	63627A	COMBAT SUPPORT MUNITIONS	4	2,520	2,693	6,865	29,693	U
110	63628A	FIELD ARTILLERY AMMO DEV	4	22,404	23,883	16,799	4,731	U
111	63629A	DIVISION SUPPORT WEAPONS SYSTEM	4	2,032	8,916			U
112	63632A	ARMORED CMBT LOG SPT VEHICLE FAMILY	4	701				U
113	63633A	TANK AND MORTAR AMMUNITION DEVELOPMENT	4	1,803	9,028	5,875	15,161	U
114	63635A	MOBILE PROTECTED GUN	4	7,955	10,326	12,561	47,921	U
115	63702A	ELECTRIC POWER SOURCES	4		2,990	10,586	9,646	U
116	63703A	PHYSICAL SECURITY	4	3,043	5,437	4,740	6,769	U
117	63706A	IDENTIFICATION-FRIEND OR FOE DEV	4	8,069	6,129	8,281	14,109	U
118	63707A	COMMUNICATIONS DEVELOPMENT	4	7,621	8,696			
119	63711A	AIRCRAFT SURVIVABILITY EQUIPMENT	4	7,291	3,553	3,158	12,077	U
120	63713A	ARMY DATA DISTRIBUTION SYSTEM (ADDS)	4	17,454	34,293	25,823	28,892	U
121	63718A	EW VULN/SUSC	4		24,869	19,002	26,775	U
122	63720A	CML BIO DETECTION & WARNING MATERIAL CONCEPTS	4			28,855	47,950	U

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DEPARTMENT OF THE ARMY
 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
123	63721A CML BIO PROTECTIVE MATERIEL CONCEPTS	4	23,796	16,498	3,107	9,012 U
124	63723A COMMAND AND CONTROL	4	22,788	19,945	23,892	34,957 U
125	63726A COMBAT SUPPORT EQUIPMENT	4	6,117	6,908	7,853	21,235 U
126	63730A TACTICAL SURVEILLANCE SYSTEM	4	14,984	22,164		
127	63732A COMBAT MEDICAL MATERIAL	4		224	7,717	8,441 U
128	63737A ANTI-RADIATION MSL COUNTER MEASURES	4	4,611			U
129	63740A DIV AIR DEFENSE COMD/CNTRL	4	9,171	1,000	2,692	U
130	63741A METEOROLOGIC EQUIPMENT DEVELOPMENT	4			2,717	3,607 U
131	63746A TAC ELECTRONIC SPT MEASURE SYS	4	13,911	6,701		U
132	63746A SINGLE CHANNEL GRD/ABN RADIO SUB-SYS	4	13,989	16,911	2,459	U
133	63747A SOLDIER SUPPORT/SURVIVABILITY	4		2,245	4,506	7,108 U
134	63750A DRUG AND VACCINE DEVELOPMENT	4		8,771	12,593	14,653 U
135	63751A MEDICAL DEFENSE AGAINST CHEM WARFARE	4		2,916	47,772	50,712 U
136	63753A BATTLEFIELD DATA SYSTEMS	4		1,995		U
137	63755A TAC ELEC C/M SYS	4	17,783	20,397		
138	63764A MEDICAL CHEM DEFENSE LIFE SUPPORT MAT	4		34,614	38,938	34,459 U
139	63766A TACTICAL ELECTRONIC SURVEILLANCE SYS	4		5,687		
140	63767A COMBAT SERVICE SUPPORT CONTROL SYS	4			481	194 U
141	63770A JT SURV/TGT ATK RDR	4			412	U
142	64202A AIRCRAFT WEAPONS	4	3,550	686	558	U
143	64204A AIR MOBILITY SUPPORT EQUIPMENT	4	1,878	2,245	2,418	4,014 U

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DEPARTMENT OF THE ARMY
FY 1984 R D T & E PROGRAM

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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C	
144	64206A UH-60A BLACKHAWK	4	6,657	5,648			U
145	64207A ADVANCED ATTACK HELICOPTER	4	91,874	33,629	28,333	17,141	U
146	64212A COBRA TOW	4	13,966	8,611			U
147	64217A SYNTHETIC FLIGHT TRAINING SYSTEMS	4	5,263	30,863	12,946	14,844	U
148	64218A AIRDROP EQUIP DEVELOPMENT	4	2,763	2,728	3,426	4,226	U
149	64220A ARMY HELICOPTER IMPROVEMENT PROG	4	38,497	73,811	53,662	24,297	U
150	64221A SURVEILLANCE SYSTEM	4	4,070	12,832			U
151	64222A JOINT SERVICE ROTARY WING AIRCRAFT DEVEL	4		29,915			U
152	64268A AIRCRAFT COMPONENT IMPROVEMENT PROGRAM	4		6,978	16,363	20,087	U
153	64306A STINGER	4	16,621				U
154	64307A PATRIOT (SAM-D)	4	55,812	46,943	84,550	69,564	U
155	64309A ROLAND (H)	4	1,000				U
156	64310A HELIBORNE MISSILE-HELLFIRE	4	23,125	16,254	483	509	U
157	64311A PERSHING II	4	150,580	110,964	22,841	48	U
158	64313A GRASS BLADE	4	30,625	17,069	22,677	13,066	U
159	64314A MULTIPLE LAUNCH ROCKET SYS	4	40,171	23,149	981	3,946	U
160	64318A DIVISION AIR DEFENSE GUN	4	29,949	10,887			U
161	64321A JOINT TACTICAL FUSION PROGRAM	4	30,417	27,610			U
162	64323A HIGH TECH LIGHT DIV	4		6,058	18,215	50,342	U
163	64324A JOINT TACTICAL MISSILE SYSTEM (JTACMS)	4			50,160	126,512	U
164	64601A INFANTRY SUPPORT WEAPONS	4	11,478	3,688	4,576	3,021	U

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FY 1984 R D T & E PROGRAM

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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

LINE NO	PROGRAM ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985	C
165	64603A	NUCLEAR MUNITIONS	4	33,864	29,054			
166	64604A	MOBILITY (H)	4			4,437	12,829	U
167	64608A	ARMY SMALL ARMS PROGRAM	4	393				U
168	64609A	COMBAT SUPPORT SYSTEMS	4	648	2,633	2,106	2,826	U
169	64612A	COUNTERMINE AND BARRIERS	4	1,357	5,485	5,337	4,750	U
170	64614A	FLD ARTY WPNS/AMMO (155MM) (H)	4	176				U
171	64616A	FIGHTING VEHICLE SYS	4	103,393	45,869	9,095	24,466	U
172	64619A	LANDMINE WARFARE	4	8,942	9,675	7,185	25,509	U
173	64620A	TANK SYSTEMS	4	25,607	11,927			U
174	64621A	COPPERHEAD	4	2,714				U
175	64623A	VIPER (H)	4	10,000	9,972			U
176	64624A	HIGH MOBILITY MULTIPURPOSE WHEELED VEHICLE	4	3,013	3,336			U
177	64626A	FIRE INTEGRATION SPT TEAM VEH	4	10,100	6,907			U
178	64628A	INDIRECT FIRE TRAINING MUNITIONS	4	2,109				U
179	64630A	M1E1 DEVELOPMENT PROGRAM	4	82,724	54,188	55,977	12,580	U
180	64631A	FLD ARTY AMMUNITION	4	2,179	2,566	26,595	29,276	U
181	64632A	105MM TANK AMMUNITION	4	9,194	1,059	8,309	9,191	U
182	64701A	COMM ENGINEERING DEV	4	9,864	11,673	9,610	24,466	U
183	64702A	JOINT TACTICAL INFO DISTRIBUTION SYSTEMS	4	12,340	20,715	18,096	20,270	U
184	64704A	UNATTENDED GROUND SENSORS	4	6,912	4,124			U
185	64705A	MODULAR INTEGRATED COMM AND NAVIGATION SYS	4	18,179	14,712	9,200	4,196	U

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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 31 JAN 1983

LINE NO	PROGRAM ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS				S	E
				FY 1982	FY 1983	FY 1984	FY 1985 C		
186	64706A	RADIOLOGICAL DEFENSE EQUIPMENT	4	308	838	943	1,541	U	
187	64708A	IDENTIFICATION-FRIEND OR FOE EQ	4	2,418	2,653	3,965	7,624	U	
188	64710A	NIGHT VISION DEVICES	4	5,476	3,916	5,368	13,289	U	
189	64711A	AIRCRAFT SURVIVABILITY EQUIPMENT	4	15,374	20,277	18,308	27,535	U	
190	64712A	TACTICAL C3 SYSTEMS ENGINEERING	4	8,577	13,868	10,509	24,782	U	
191	64713A	COMBAT FEEDING, CLOTHING AND EQUIPMENT	4	2,358	2,568	4,296	6,078	U	
192	64714A	TACTICAL ELECTRIC POWER SOURCES	4	2,811	1,800	9,782	16,106	U	
193	64717A	GENERAL COMBAT SUPPORT	4	5,303	5,952	9,862	15,110	U	
194	64718A	PHYSICAL SECURITY	4	5,781	5,085	5,998	7,692	U	
195	64722A	EDUCATION AND TRAINING	4			12,266	10,565	U	
196	64723A	SPECIAL PURPOSE DETECTORS	4				3,377	U	
197	64724A	CML B10 DETECTION WARNING & TRAINING MATERIAL	4	2,498	391	8,384	12,250	U	
198	64729A	CHEM B10 PROTECTIVE MATERIEL	4	24,715	24,932	19,732	12,817	U	
199	64727A	COMMAND AND CONTROL	4	15,691	13,971	36,967	32,851	U	
200	64728A	FAMILY OF MIL ENGR CONSTR EQ (H)	4	850				U	
201	64730A	REMOTELY PILOTED VEHICLES	4	76,594	77,727	138,086	103,021	U	
202	64740A	TACTICAL SURVEILLANCE SYSTEM	4	4,696	9,456			U	
203	64741A	DIV AIR DEFENSE COMMAND AND CONTROL	4			38,881	52,397	U	
204	64745A	TAC ELECTRONIC SPT MEASURE SYS	4	7,780				U	
205	64746A	AUTOMATIC TEST SUPPORT SYSTEMS	4	3,903	2,932	11,577	29,671	U	
206	64746A	STANDOFF TARGET ACQUISITION SYSTEM (SOTAS)(H)	4	3,000				U	

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DEPARTMENT OF THE ARMY
 FY 1984 R D T & E PROGRAM

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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985	C
207	64750A TAC ELEC C/M SYS	4	6,120	9,445			S
208	64751A SINGLE CHANNEL GRD/ABN RADIO SUBSYS ENGR DEV	4			13,678	5,702	U
209	64753A BATTLEFIELD DATA SYSTEMS	4		23,926			U
210	64757A MEDICAL CHEMICAL DEFENSE LIFE SPT MAT	4			4,752	21,446	U
211	64758A DRUG AND VACCINE DEVELOPMENT	4			4,751	9,969	U
212	64766A TACTICAL ELECTRONIC SURVEILLANCE SYS	4		10,903			
213	64770A JT SURV/TGT ATK RDR	4			68,961	70,525	U
214	64779A JT INTEROPERABILITY TAC CMD/CNTRL	4	29,465	27,982	33,580	42,682	U
215	65710A JOINT CB CONTACT POINT AND TEST	4	1,301	1,447	1,600	2,402	U
216	23724A HV ANTI-TANK ASSAULT WPN SYS (TOW)	4	6,724	1,976	1,895	3,892	U
217	23726A ADV FIELD ARTY TAC DATA SYS	4	4,792	11,004	31,906	31,984	U
218	23730A CHAPARRAL	4	23,598	24,706	23,615	31,621	U
219	23731A SAM HAWK/HAWK IMP PROG	4	39,414	36,363	33,543	28,325	U
220	23735A COMBAT VEHICLE IMPROVE PROG	4	29,395	50,152	64,390	82,589	U
221	23739A AN/TSQ-73 MODIFICATIONS	4	532	1,023			U
222	23740A MANEUVER CONTROL SYSTEM (MCS)	4	14,075	14,905	9,528	9,555	U
223	23741A PROD IMPR VULCAN AIR DEF SYS	4			5,320		U
224	23743A 155MM SELF-PROPELLED HOWITZER IMPROVEMENTS	4			64,497	131,584	U
225	23744A AIRCRAFT MODIFICATIONS	4			3,323	39,120	U

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DEPARTMENT OF THE ARMY
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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

LINE NO	PROGRAM ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985	U	C
226	28010A	JT TACTICAL COMM PROG	4	42,987	43,457	46,766	26,664	U	
227	33142A	SATCOM GROUND ENVIRONMENT	4	37,615				U	
228	33145A	EUCOM C3 SYSTEMS	4	6,015	527	3,991	7,653	U	
		TACTICAL PROGRAMS		1,568,343	1,511,901	1,937,170	2,578,180		
229	63712A	MAPPING AND GEODESY	5	1,542	3,415	238	238	U	
230	64201A	AIRCRAFT AVIONICS	5	10,602	3,789	2,283	2,934	U	
231	64716A	MAPPING AND GEODESY	5	325				U	
232	64778A	NAVSTAR GLOBAL POS SYS (USER EQ)	5	7,000	11,877	5,880	12,802	U	
233	12814A	SPECIAL PROGRAM	5						
234	31307A	FOREIGN SCIENCE AND TECHNOLOGY CENTER	5						
235	31327A	TECHNICAL RECONN AND SURVEILLANCE	5						
236	31334A	OTHER COMMAND GDIP ACTIVITIES	5	788	812	919	1,061	U	
237	33111A	STRATEGIC ARMY COMMUNICATIONS	5	4,460	11,057	8,861	10,010	U	
238	33126A	LONG-HAUL COMMUNICATIONS (DCS)	5						
239	33142A	SATCOM GROUND ENVIRONMENT	5		35,445	55,618	79,450	U	
240	33401A	COMMUNICATIONS SECURITY	5	6,946	6,856				
		INTELLIGENCE AND COMMUNICATIONS		54,731	76,355	88,659	123,756		
241	63316A	TARGET MISSILES	6					3,741	U
242	63718A	EW VULNERABILITY/SUSCEPTIBILITY	6	18,314					U

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FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
243	63738A NON-SYSTEM TRAINING DEVICES	6	796		2,407	5,437 U
244	64268A ACFT ENGINE COMPONENT IMPROVE PROG	6	11,833			U
245	64715A NON-SYSTEM TNG DEVICES ENGR	6	13,179	8,624	12,833	30,205 U
246	64726A METEOROLOGICAL EQUIPMENT SYSTEMS	6	6,098	2,166	5,274	3,492 U
247	65102A TRADOC STUDIES AND ANALYSES	6	1,543	1,487	1,508	3,725 U
248	65201A AVIATION ENGINEERING FLIGHT ACTIVITY	6	5,358	5,775	6,720	7,675 U
249	65301A KWAJALEIN MISSILE RANGE	6	139,351	151,706	143,795	166,164 U
250	65702A SUPPORT OF DEVELOPMENT TESTING	6	36,068	42,063	50,382	61,025 U
251	65706A MATERIEL SYSTEMS ANALYSIS	6	12,435	13,129	14,475	15,553 U
252	65709A EXPLOITATION OF FOREIGN ITEMS	6	2,053	2,016	2,648	3,101 U
253	65712A SUPPORT OF OPERATIONAL TESTING	6	43,583	48,365	62,378	79,806 U
254	65715A DEFENSE SYSTEMS MANAGEMENT COLLEGE	6	203		200	206 U
255	65801A PROGRAM-WIDE ACTIVITIES	6	65,407	65,000	74,362	83,879 U
256	65802A INTL COOPERATIVE RESEARCH AND DEV	6	629	1,039	1,063	1,110 U
257	65803A TECHNICAL INFO ACTIVITIES	6	3,831	5,249	5,421	6,182 U
258	65004A DARCOM MAJOR RANGE/TEST FACIL	6	278,925	295,649	333,373	408,650 U
259	65805A MUNITIONS-STANDARDIZATION EFFECT AND SAFETY	6	6,693	7,028	5,810	8,519 U
260	65806A DOD HIGH ENERGY LASER SYSTEMS TEST FAC	6	40,224	33,933	36,880	39,995 U
261	65807A MAINSITE	6		2,992	17,880	23,837 U
262	65808A MM AND T/MACI	6		50,858		U
263	65872A PRODUCTIVITY INVESTMENT FUNDING	6	3,889	19,945	21,098	6,681 U

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FY 1904 R D T & E PROGRAM

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DATE: 31 JAN 1983

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985
264	65890A	INSTL AUDIOVISUAL SPT (R/D)	6	3,040	2,342	6,037	6,781
265	65898A	MGT HQ (RESEARCH/DEVELOPMENT)	6	37,857	45,304	43,725	44,228
		DEFENSEWIDE MISSION SUPPORT		731,309	804,670	848,259	1,009,992

TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY

3,619,535 3,884,783 4,792,200 6,817,514

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DEPARTMENT OF THE NAVY
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

SUMMARY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

	FY 1982	FY 1983	FY 1984	FY 1985
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH	276,824	306,306	324,674	354,138
EXPLORATORY DEVELOPMENT	494,365	517,819	559,662	609,296
ADVANCED DEVELOPMENT	1,593,792	1,751,091	3,102,283	4,300,534
ENGINEERING DEVELOPMENT	2,112,227	2,059,955	2,440,804	2,485,984
MANAGEMENT AND SUPPORT	550,113	587,529	607,861	657,781
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	5,027,021	5,222,700	7,035,284	8,407,693
OPERATIONAL SYSTEMS DEVELOPMENT	607,605	863,331	1,145,759	1,404,127
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY	5,834,626	6,086,031	8,181,043	9,811,820
SUMMARY RECAP OF BUDGET ACTIVITIES				
TECHNOLOGY BASE	770,889	824,125	884,336	963,394
ADVANCED TECHNOLOGY DEVELOPMENT	153,304	146,384	210,975	301,026
STRATEGIC PROGRAMS	520,510	632,904	1,810,048	2,489,022
TACTICAL PROGRAMS	3,576,626	3,612,774	4,295,505	4,917,234
INTELLIGENCE AND COMMUNICATIONS	211,307	266,346	346,080	429,912
DEFENSEWIDE MISSION SUPPORT	601,990	603,498	634,099	711,232
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY	5,834,626	6,086,031	8,181,043	9,811,820
SUMMARY RECAP OF FYDP PROGRAMS				
STRATEGIC FORCES	265,797	248,550	287,975	306,876
GENERAL PURPOSE FORCES	368,331	434,815	632,452	812,123
INTELLIGENCE AND COMMUNICATIONS	172,677	179,966	225,332	285,129
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	5,027,021	5,222,700	7,035,284	8,407,693
TRAINING MEDICAL AND OTHER	800			
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY	5,834,626	6,086,031	8,181,043	9,811,820

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FY 1984 R D T & E PROGRAM

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APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
1	61152N IN-HOUSE INDEPEND LAB RES	1	21,539	23,337	23,834	24,977 U
2	61153N DEFENSE RESEARCH SCIENCES	1	254,985	282,969	300,840	329,161 U
3	62241N AIRCRAFT TECHNOLOGY	1	25,109	26,134	27,236	29,730 U
4	62331N MISSILE PROPULSION TECH	1	9,084	9,191	12,014	12,860 U
5	62332N STRIKE WARFARE WPNRY TECH	1	21,116	26,375	29,188	34,225 U
6	62542N NUCLEAR PROPULSION TECH	1	47,576	53,624	47,057	48,721 U
7	62543N SHIPS SUBS AND BOATS TECH	1	39,028	32,491	39,146	47,852 U
8	62633N UNDERSEA WARFARE WPNRY TECH	1	24,837	25,423	29,093	31,929 U
9	62711N U/S TARGET SURV TECH	1	35,714	37,628	40,930	44,421 U
10	62712N SURF/AEROSP TGT SURV TECH	1	32,946	34,986	36,635	38,141 U
11	62721N COMMAND AND CONTROL TECH	1	29,041	30,187	36,112	37,869 U
12	62734N COUNTERMEASURES TECH	1	25,514	32,073	29,633	31,246 U
13	62735N HIGH ENERGY LASER TECH	1	57,487	60,976	67,902	70,530 U
14	62757N HUMAN FACTORS&SIM TECH	1	6,378	9,155	8,366	9,300 U
15	62758N BIOMEDICAL TECH	1	10,596	8,721	8,905	9,288 U
16	62759N OCEAN AND ATMOS SUPT TECH	1	22,027	20,257	19,474	22,124 U
17	62760N LOGISTICS TECH	1	13,263	13,786	15,327	16,665 U
18	62761N MATERIALS TECH	1	33,637	33,162	38,243	43,891 U
19	62762N ELEX DEVICE TECH	1	25,908	25,872	30,190	31,359 U
20	62763N PERSONNEL & TRNG TECH	1	8,084	6,845	7,746	8,192 U
21	62764N CHEM/BIOL/&RADIOL DEF TECH	1	1,776	1,789	4,124	5,278 U

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DEPARTMENT OF THE NAVY
FY 1984 R D T & E PROGRAM

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APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 31 JAN 1983

LINE ELEMENT NO	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS					FY 1984	FY 1984	FY 1984	FY 1984
				FY 1982	FY 1983	FY 1984	FY 1984	FY 1984				
22	62765N	ENERGY & ENVIRON PROT TECH	1	7,313	5,053	4,559	4,559	4,932	U			
23	62766N	LAB INDEP EXPLORATORY DEV	1	11,967	12,091	13,146	13,146	14,928	U			
24	62768N	DIRECTED ENERGY TECH	1	5,965	12,000	14,636	14,636	15,775	U			
		TECHNOLOGY BASE		770,889	824,125	884,336	884,336	963,394				
25	63202N	AVIONICS	2	4,181	3,150	3,834	3,834	5,195	U			
26	63203N	ADV HELICOPTER DEV	2	3,366					U			
27	63207N	ENVIRONMENTAL APPLICATIONS	2	5,261	5,653	6,006	6,006	9,922	U			
28	63210N	ADV A/C PROPUL SYS	2	9,551	10,113	6,058	6,058	20,532	U			
29	63216N	ABN-LIFE SUPPORT SYS	2	2,871	3,483	620	620	690	U			
30	63217N	ADV A/C SUBSYSTEMS	2	4,276	2,428	4,884	4,884	5,703	U			
31	63251N	A/C SYSTEMS (ADV)	2	3,375	1,000	982	982	3,043	U			
32	63303N	ERASE SYS TECHNOLOGY	2	5,750	9,849	5,729	5,729	8,576	U			
33	63306N	ADV A/L ASM SYSTEMS	2	5,697		2,439	2,439	3,912	U			
34	63308N	A/A MSL TECH DEMO	2	4,362	2,923	10,022	10,022	9,945	U			
35	63308N	SHIP PROP SYS (ADV)	2	20,084	20,457	41,542	41,542	65,665	U			
36	63526N	ADV COMPUTER TECH	2	4,534	3,272	9,900	9,900	10,559	U			
37	63573N	ELECTRIC DRIVE	2		7,267	18,339	18,339	24,371	U			
38	63609N	SURF LAUNCHED MUNITIONS	2	4,220	4,331	4,254	4,254	4,916	U			
39	63654N	JOINT SERV ECD DEV (ADV)	2	3,330	4,954	5,011	5,011	8,065	U			
40	63701N	HUMAN FACTORS ENG DEVEL	2	2,934	2,604	1,192	1,192	2,359	U			
41	63704N	OCEANOGRAPH INSTRUMENTATION DEV	2	2,902	2,999	6,166	6,166	9,217	U			

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EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
42	63706N MEDICAL DEVELOPMENT (ADV)	2	12,015	8,384	10,275	11,070 U
43	63707N MNPWR CONTROL SYST DEV	2	4,370	1,805	2,915	4,388 U
44	63709N ADV MARINE BIOLOGICAL SYS	2	3,789	3,980	4,242	6,439 U
45	63712N ADV MODUL COMPON DEMONST	2			488	782 U
46	63713N OCEAN ENG TECH DEVELOP	2	11,759	13,184	21,704	24,859 U
47	63720N EDUCATION & TRAINING	2	3,642	2,898	2,799	4,802 U
48	63721N ENVIRONMENTAL PROTECTION	2	6,674	8,150	10,412	10,933 U
49	63722N NAVAL SPECIAL WARFARE	2	7,660	8,284	8,084	10,042 U
50	63727N NAV TECH INFO PRESENT SYS	2	1,243	1,253	3,257	5,748 U
51	63728N MANUFACTURING TECH	2	3,667	3,339	7,627	15,299 U
52	63732M ADV MANPOWER TRAINING SYS	2	1,762	1,464	2,136	1,410 U
53	63733N TRAINING DEVICE TECH	2	6,979	6,200	6,555	10,424 U
54	63739N PERSONNEL PRODUCTIVITY	2			733	2,157 U
55	63786N ABN ELE-MAG/OPT SYS (ADV)	2	3,060	2,960	480	U
	ADVANCED TECHNOLOGY DEVELOPMENT		153,304	146,384	210,975	301,026
56	63371N TRIDENT II	3	240,832	369,614	1,496,406	2,145,562 U
57	63588N SSBN SUBSYSTEM TECH PROG	3	4,508		7,347	11,782 U
58	63735N WMMCCS ARCHITECTURE SUPPT	3	789	900	1,170	961 U

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FY 1984 R D T & E PROGRAM

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APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 31 JAN 1983

LINE NO	PROGRAM ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS			
				FY 1982	FY 1983	FY 1984	FY 1985 C
59	65856N	STRATEGIC TECH SUPPORT	3	5,485	7,099	7,194	8,927 U
60	11221N	FBM SYSTEM	3	65,621	30,770	28,241	55,335 U
61	11224N	SSBN SECURITY PROGRAM	3	36,774	36,691	39,782	46,167 U
62	11228N	TRIDENT I	3	100,164	66,057	72,387	74,634 U
63	11401N	ELF COMMUNICATIONS	3	38,755	49,677	58,497	29,156 U
64	11402N	NAVY STRATEGIC COMM	3	23,844	64,854	88,889	101,074 U
65	11403N	HYDRUS	3	89			U
66	12427N	NAV SPASUR	3	550	501	179	510 U
67	33131N	MEECN	3	3,089	6,741	1,565	662 U
68	33152N	WIS MODERNIZATION	3			8,391	14,252 U
		STRATEGIC PROGRAMS		520,510	632,904	1,810,048	2,489,022
69	63206N	ADN ELECTRONIC WARFARE EQ	4	9,547	13,090	23,220	20,945 U
70	63208N	VTX-TS	4	4,985	7,925	30,261	39,144 U
71	63209N	U/W WPNS ACCEPT TEST	4	3,326	1,493		3,824 U
72	63212N	TAC AIR IR COUNTERMEASURES	4	5,341	5,732	14,668	6,137 U
73	63213N	AIRBORNE INFRARED CM	4	6,214	7,256	12,261	17,568 U
74	63214N	TAC CMD CONT COMM C/M	4	4,185	3,965	2,637	1,959 U
75	63219N	ADV A/C ARMAMENT SYS	4	5,000			U
76	63221N	AV-8B PLUS	4	4,566	3,928	6,433	4,678 U
77	63228N	CV ASW MODULE	4	5,752	12,178	2,421	2,438 U
78	63254N	AIR ASW	4				

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APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985	E C
79	63256N J VX	4			53,431	169,294	U
80	63257N A-6E STOL DEMONSTRATOR	4		6,700	31,029	31,435	U
81	63259N ACCUS SEARCH SENSORS (ADV)	4	4,638	7,601	1,957	994	U
82	63260N ABN MINE COUNTERMEASURES	4	19,358	21,566	15,125	16,273	U
83	63261N TAC AIR RECON	4	5,019	4,670	10,485	14,067	U
84	63262N A/C SURVIV & VULNER	4	8,241	10,751	12,310	15,871	U
85	63266N AH-1T COMP ROTOR BLADE	4	1,883				U
86	63267N COMBAT IDENT SYS	4	2,488	6,694	7,019	6,848	U
87	63313N IIR MAVERICK	4	10,200	1,000	19,620	7,771	U
88	63315N RETRACT YELLOW	4	3,060		8,001	22,549	U
89	63318N ARMY/NAVY SAM TECH	4	10,930	14,169	10,174	12,560	U
90	63358N WEAPONIZING (PROTO)	4					U
91	63367N SUBMARINE ASW STDOFF WPN	4	35,368	20,217	27,985	63,413	U
92	63368N AIR-L TOMAHAWK	4	19,000	19,900	19,512	9,762	U
93	63382N BGAAMC	4		6,458	7,826	13,131	U
94	63402N AMPHIB PRE-ASSAULT SURV	4				2,321	U
95	63403N COMBAT SYS DEV/SUP RGMT	4				7,707	U
96	63501N REACTOR PROPULSION PLANTS	4	6,062	5,783			U
97	63502N SURFACE MCM	4	39,967	31,465	28,036	29,121	U
98	63503N ACOUSTIC COMM (ADV)	4	2,361	2,727			U
99	63504N SUB SONAR DEVEL (ADV)	4	42,623	16,676	12,661	24,662	U

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APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

LINE ELEMENT NO NUMBER	PROGRAM ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985	C
100	63506N	SURFACE SHIP TORP DEF	4		2,428	10,259	29,508	U
101	63508N	SHPD INFO TRANSFER SYS	4	7,900	4,411	5,320	7,997	U
102	63512N	CATAPULTS	4			2,645	3,243	U
103	63513N	SHIPBD SYS COMP DEV	4	8,142	15,442	12,723	17,452	U
104	63514N	SHIPBOARD DAMAGE CONTROL	4	20,249	23,628	14,401	16,299	U
105	63516N	ADV IDENTIFICATION TECH	4	3,810	1,472	2,222	3,214	U
106	63516N	RADAR SURVEILLANCE EQUIP	4			495	8,131	U
107	63519N	ADV COMMAND DATA SYS	4	2,359	4,387	2,544	6,079	U
108	63520N	ADV COMMUNICATIONS	4	1				U
109	63521N	SURFACE ELECTRONIC WARFARE	4	3,584			2,310	U
110	63522N	ADV SUB SUPT EQUIP PROG	4	4,881	2,322	5,753	4,951	U
111	63524N	SUBACS (ADV)	4	40,007			5,098	U
112	6352JN	PILOT FISH	4	61,388	93,823	97,328	120,528	U
113	63528N	NON ACOUSTIC ASW	4	9,464	11,533	13,375	23,174	U
114	63529N	ADV ASW TARGET	4	832	3,907	3,865	16,499	U
115	63530N	OTH TARGETING	4	16,353				U
116	63531N	HY 130 STEEL	4	955	3,000	1,952		U
117	63532N	SHIP SYS ENGR STDS	4	9,257	4,993	4,565	4,788	U
118	63537N	RETRACT SILVER	4	63,448	84,385	144,991	105,710	U
119	63539N	RETRACT AMBER	4	18,545	13,017	4,057		U
120	63540N	DIESEL ELECTRIC SUB	4	2,500				U

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FY 1984 R D T & E PROGRAM

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APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C	S E
121	63549N LINK CEDAR	4			9,756	19,522	U
122	63553N SURFACE ASW	4	5,489		2,956	17,947	U
123	63560N WIDE APERTURE ARRAY (ADV)	4		23,560	15,820	14,101	U
124	63561N SUBMARINES (ADV)	4	54,388	47,850	66,922	69,544	U
125	63562N SUB TAC W/F SYS (ADV)	4	98,550	7,012	19,863	14,887	U
126	63564N SHIP DEVELOPMENT (ADV)	4	7,794	15,803	16,246	28,074	U
127	63566N AMPHIB ASSLT CRAFT	4	8,740	11,884	7,961	6,813	U
128	63568N COMBAT SYSTEMS ARCHIT	4	3,847				U
129	63569N ATTACK SUBMARINE DEV	4	4,818	8,256	9,785	23,540	U
130	63570N ADV NUC REACT COMP SYS DEV	4	9,090	11,536	31,381	25,797	U
131	63571N SHIBD PHYSICAL SECURITY	4	4,594	6,122	5,321	6,182	U
132	63576N CHALK EAGLE	4		6,401	14,533	52,476	U
133	63578N A4W/A10 NUC PROP PLNT	4	11,848	12,238	12,386	12,617	U
134	63579N D2W NUC PROP REACTOR	4	10,449	9,337			U
135	63582N COMBAT SYSTEM INTEGRATION	4	6,958	7,920	17,128	28,997	U
136	63589N DDG-51	4	101,960	138,339	110,960	129,812	U
137	63601N MINE DEVELOPMENT	4	9,935	9,521		1,572	U
138	63610N ALWT (ADV)	4	104,212	97,098	4,128		U
139	63611M MC ASSAULT VEHICLES	4	46,772	39,318	61,185	53,221	U
140	63634N TAC NUC DEVELOPMENT	4	723	3,440	3,573	10,447	U
141	63635M GRD COMBAT/SUPP ARMS SYS	4	4,164	7,666	5,445	6,627	U

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FY 1984 R D T & E PROGRAM

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APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

LINE NO	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
142	63691N	MK 48 ADCAP (ADV)	4		20,483		U
143	63702N	OCEAN ENGR SYS DEV	4	1,984	2,312	2,205	2,320 U
144	63705N	LOGISTICS	4	13,915	3,335	1,224	946 U
145	63708N	ANTI SUB W/F SIGN PROC	4	7,626	5,185	3,949	10,174 U
146	63711N	FLEET TAC D&E PROGRAM	4	4,596	5,201	5,246	8,742 U
147	63717N	COMMAND & CONTROL SYS(ADV)	4	10,823	32,949	30,264	18,254 U
148	63719N	CONT OFFLOAD & TRNSFR SYS	4	6,345	3,667	1,773	1,493 U
149	63724N	NAVY ENERGY PROGRAM (ADV)	4	18,785	21,504	23,505	23,843 U
150	63725N	FACILITIES IMPROV	4	3,194	4,913	7,999	8,763 U
151	63726N	MERSHIP NAV AUX PROG	4		8,173	4,896	6,212 U
152	63729M	COMBAT SERVICES SUP (ADV)	4	3,336	4,244	6,320	7,158 U
153	63730M	INTELL/ELEC WARFARE SYS	4	890	6,885	6,057	10,491 U
154	63731M	COMMAND/CONT/COMM SYS	4	354	2,244		U
155	63734N	CHALK CORAL	4		2,900	4,976	4,198 U
156	63736N	STRIKE WARFARE TECH	4	1,700	3,000		U
157	63737N	LINK HAZEL	4		16,000	34,130	41,972 U
158	63763N	ITSS	4	12,235	11,334	30,181	113,242 U
159	63784N	ASW SURVEILLANCE	4	1,235	1,000	11,093	22,950 U
160	63785N	LRAP	4	11,644	12,578	8,399	20,722 U
161	63787N	SPECIAL PROCESSES	4	50,337	72,523	67,219	70,771 U

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FY 1994 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985	E C
162	63788N RDSS	4	6,715	19,312	21,076	20,007	U
163	64203N AVIONICS DEV	4	12,901	3,941	9,659	11,455	U
164	64211N AIMS /ATCRBS/ MARK XII	4	4,363	6,228	6,608	6,613	U
165	64212N LAMPS III	4	70,868	9,969	4,392	7,671	U
166	64213N HELICOPTER DEVELOPMENT	4	11,759	13,194	24,559	10,184	U
167	64214N AV8B (ENG)	4	226,413	113,806	118,218	12,180	U
168	64215N SUPPORT EQUIPMENT	4	6,824	8,700	9,636	17,596	U
169	64217N S-3 WPN SYS IMP S-3()	4	41,702	75,899	60,211	29,938	U
170	64218N ENVIRONMENTAL SYSTEMS	4	1,081	1,246	2,679	1,403	U
171	64219N ABN ASW DEVELOPMENTS	4	23,019	25,861	19,453	21,118	U
172	64220N A/C IR SIGN SUPPRESSION	4	1,339	95	1,567	1,595	U
173	64221N P-3 MODERNIZATION PROG	4	22,473	18,584	19,934	28,261	U
174	64224N ADAPTIVE ECM	4	1,965				U
175	64225N ADV RADAR WARNING	4	2,458		7,714	3,716	U
176	64226N ASPJ	4	23,665	29,316	47,366	29,911	U
177	64228N SH 60 CV VARIANT	4			19,711		U
178	64229N ASW IMPROV	4				29,374	U
179	64252N A/C PROPULSION (ENG)	4			9,758	19,522	U
180	64255N AIR ELECTRONIC W/F	4	11,360	11,679	17,214	11,761	U
181	64260N C/MH-53E	4	11,141	11,119	32,880	14,738	U
182	64261N ACOUSTIC SRCH SENSRS (ENG)	4	18,121	10,769	23,648	29,878	U

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FY 1984 R D T & E PROGRAM

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DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
183	64262N JVX	4		4,900		U
184	64263N F/A-18	4	194,000	109,150		U
185	64264N LIFE SUPPORT EQUIP	4	10,297	6,902	4,824	4,982 U
186	64266N ADV SIG PROCESS (ASP)	4	3,292	501		U
187	64267N AW9-9 UPDATE	4	4,206	6,975	3,030	8,013 U
188	64268N A/C ENGINES COMP IMP PROG	4	81,593	89,488	97,513	118,616 U
189	64301N MK92 FCS UPGRADE	4		24,628	35,593	54,284 U
190	64303N AEGIS AREA AIR DEF	4	36,696	8,149	16,580	21,297 U
191	64304N CSED	4	16,056	12,215		U
192	64306N PENGUIN COMBAT DEV	4	3,828			U
193	64307N CG-47 PRODUCT IMPROVEMENT	4		43,631	70,452	78,702 U
194	64308N LINK ASH	4			3,903	14,642 U
195	64314N AMRAAM	4	3,294	4,676	6,797	44,082 U
196	64352N S/L WPNRY SHIP SYSTEMS	4	63,862	3,037	1,412	1,452 U
197	64353N VERTICAL LAUNCHING SYS	4	74,923	53,578	45,813	43,435 U
198	64354N AAM SYSTEMS ENGINEERING	4	37,065	22,844	3,987	23,524 U
199	64355N VLS ASROC	4			30,504	27,575 U
200	64358N CIWS (PHALANX)	4	1,357	1,346	1,253	4,252 U
201	64360N HARM	4	20,898	6,913		U
202	64361N NATO SEA SPARROW	4	5,598	1,067	11,122	8,591 U
203	64365N SM-2 (N)	4	13,105	18,800	18,845	26,382 U

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FY 1984 R D T & E PROGRAM

EXHIBIT R-1

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DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985	C
204	64366N STANDARD MSL IMPROVEMENTS	4	50,991	50,789	40,262	60,185	U
205	64367N TOMAHAWK	4	144,545	108,934	135,690	50,566	U
206	64369N 5' ROLLING AIR FRAME MSLE	4	17,877	16,153	4,635	4,021	U
207	64370N SSN-688 VLS	4	38,486	39,361	39,936	25,470	U
208	64371N HELLFIRE	4		9,815	2,832	2,426	U
209	64372N NEW THREAT UPGRADE	4		41,859	47,819	52,474	U
210	64502N SUBMARINE COMM	-4	7,037	3,565	6,164	5,918	U
211	64503N SUB SONAR DEVELOP (ENG)	4	44,603	41,603	61,222	49,781	U
212	64504N AIR CONTROL ENG	4	13,656	9,251	25,221	28,774	U
213	64505N INTEGRATED COMM SYSTEM	4	5,672				U
214	64506N BR/CW COUNTERMEASURES	4	7,740	8,357	8,216	7,573	U
215	64507N ENSP	4		12,972	22,359	28,962	U
216	64508N RADAR SURVEILLANCE EQUIP	4	17,892	10,439	13,682	21,259	U
217	64510N COMMUNICATIONS SYS	4	5,513	4,681	4,580	4,114	U
218	64511N INTELLIGENCE SYSTEMS	4	2,458	2,478	2,157	3,603	U
219	64515N SUB SUPT EQUIP PROG	4	11,592	3,762	7,249	11,723	U
220	64516N SHIP SURVIVABILITY	4		4,385	5,295	6,423	U
221	64518N CIC CONVERSION	4	8,310	18,292	24,907	30,670	U
222	64520N WIDE APERTURE ARRAY(ENG)	4				13,398	U
223	64524N SUBACS (ENG)	4	29,674	60,414	98,573	140,956	U
224	64526N LHDX	4	14,400				U

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LINE NO	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS					E
				FY 1982	FY 1983	FY 1984	FY 1985	C	
225	64554N	SURFACE E/W	4	8,079	6,639	6,260	6,464	U	
226	64561N	SUBMARINE (ENG)	4	2,041	1,000	1,950	1,962	U	
227	64562N	SUB TAC W/F SYSTS (ENG)	4	96,542	32,582	50,960	47,500	U	
228	64563N	SHPBD PHYS SECURITY (ENG)	4		2,917	2,477	2,493	U	
229	64566N	ACOUSTIC COMM (ENG)	4	5,039				U	
230	64567N	SHIP SUBSYS DEV/LBTS	4	65,094	121,387	110,217	97,441	U	
231	64569N	NATO SEA GNAT	4	7,007	6,589	7,860	8,803	U	
232	64573N	SHPBD EW IMPROV	4	13,917	14,974	12,623	43,148	U	
233	64574N	TACT EMBEDDED COMP PROG	4	29,979	31,704	18,954	6,461	U	
234	64575N	AN/SQS-53C	4		57,575	49,115	61,308	U	
235	64576N	INFLUENCE MCM	4		1,821		4,170	U	
236	64578N	LINK BIRCH	4			5,269	4,003	U	
237	64601N	MINE DEVEL (ENG)	4	7,406	12,697	15,480	18,092	U	
238	64602N	NAVAL GUNNERY IMPROVEMENT	4	2,642	739	6,034	24,701	U	
239	64603N	UNGUIDED CONVENT A/L WPNS	4	25,931	6,959	16,699	12,203	U	
240	64604N	C/W WEAPONS	4	9,197	8,050	3,414	803	U	
241	64607N	ELECTRO OPTICS SENSOR DEV	4	4,784				U	
242	64608N	SAL GP/EG SENS DEVEL	4	3,820	16,000	39,323	24,928	U	
243	64609N	COMMON BOMB FUZE	4	1,999	1,290	310	5,190	U	
244	64610N	ALWT (ENG)	4		18,000	141,991	133,683	U	
245	64652N	GUN FCS IMP PROG	4	10,069	9,519			U	

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DEPARTMENT OF THE NAVY
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
246	64664N JOINT SERV EDD DEV (ENG)	4	2,477	2,926	3,733	3,977 U
247	64666M MC ASSAULT VEHICLES	4		925		U
248	64667N GRD COMBAT/SUP ARMS SYS	4	17,438	10,553	21,303	16,481 U
249	64675N MK 48 ADCAP (ENG)	4		159,884	182,138	139,412 U
250	64704N OCEANOGRAPH INSTRUMENT SPT	4			381	489 U
251	64710N NAVY ENERGY PROGRAM (ENG)	4	14,677	15,704	22,547	26,547 U
252	64711N COMMAND & CONTROL SYS(ENG)	4	10,109	13,734	26,017	25,048 U
253	64713N TACTAS (AN-SQR-19)	4	17,820	9,773	3,735	U
254	64714N AIR W/F TRAINING DEV	4	27,889	17,000	11,778	3,158 U
255	64715N SURFACE W/F TRAINING DEV	4	40,716	31,897	28,069	60,243 U
256	64716N SUBMARINE W/F TRAINING DEV	4	33		587	980 U
257	64717M COMBAT SERVICES SUPP	4	3,179	2,933	3,755	4,301 U
258	64718M INTELL/ELECT W/F SYS	4	2,174	2,667	5,411	6,194 U
259	64719M COMMAND/CONT/COMM SYS	4	61,044	27,706	24,925	28,090 U
260	64720M TAC AIR OPER CENTRAL 85	4		12,703	5,224	3,139 U
261	64725N REGIONAL TACTICAL SURV	4		1,500	39,023	39,044 U
262	64761N INTELLIGENCE (ENG)	4	6,069	12,022	8,890	9,109 U
263	64771N MEDICAL DEV (ENG)	4	2,046	2,314	2,426	2,554 U
264	64779N JINTACCS	4	4,689	6,337	8,056	11,679 U
265	64780M JINTACCS MC	4	1,276	1,624	6,459	10,055 U

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 DEPARTMENT OF THE NAVY
 FY 1984 R D T & E PROGRAM

EXHIBIT R-1

DATE: 31 JAN 1983

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

THOUSANDS OF DOLLARS

PROGRAM ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985	C
266	64789N SURV TOWED ARRAY SENSOR	4				2,753	U
267	65155N FLT TACT D&E	4	17,257	17,666	19,327	21,032	U
268	65803N ELECTROMAG SPECTRUM MNGMT	4	5,586	4,589	7,301	8,308	U
269	65853N MANAG & TECH SUPPORT	4	10,160	11,685	12,237	14,724	U
270	65858N TACTICAL ELECTRO SUPPORT	4	3,197		1,050	4,794	U
271	65867N C2 SURV/RECONN SPT	4	1,594	1,968	4,223	4,751	U
272	65871M MC TAC EXPLOIT NAT CAP	4	236	360	399	469	U
273	24134N A6 SQUADRONS	4	9,978	4,725	6,701	10,720	U
274	24136N F/A-18 SQUADRONS	4			27,159	88,044	U
275	24152N EARLY WARNING ACFT SQDNS	4	18,066	52,205	54,405	44,638	U
276	24161N AVIATION SUPPORT CVW	4	9,357	7,968	7,050	3,099	U
277	24163N FLT TELECOM (TAC)	4	35,007	20,604	41,963	76,869	U
278	24226N PATROL COMBATANTS-HICANS	4	492				U
279	24281N SUBMARINES	4	7,429	6,432	7,442	6,631	U
280	24304N MINES & MINE SUPPORT	4	2,480	10,481	15,909	4,632	U
281	24311N UNDERSEAS SURVEILLANCE SYS	4	48,577	49,649	52,442	68,723	U
282	24313N SURTASS	4	6,364	7,070	3,478	3,675	U
283	24571N SPECIAL PROJECTS	4		6,660	16,051	16,478	U
284	24573N NAVY COVER & DECEPT PROG	4	13,305	14,312	12,644	5,951	U
285	24575N ELECTRONIC WARFARE SPT	4	15,074	8,014	9,529	21,386	U

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DEPARTMENT OF THE NAVY
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C	E
286	24576N COUNTER C3 DEV	4		11,533	15,240	44,361	U
287	25601N HARM IMPROVEMENT	4			11,793	4,883	U
288	25604N JTIDS	4	48,069	91,163	121,200	115,545	U
289	25620N ASW COMBAT SYS INTEG	4	20,866	15,993	15,551	18,577	U
290	25623N SURF SHP SONAR MODRNIZATN	4	15,973	5,976	5,773	9,550	U
291	25624N AN/SQR-18 TACTAS	4	6,611	4,690	687	3,922	U
292	25633N ACFT EQ REL/MAINT PROG	4	7,231	7,067	6,839	7,597	U
293	25634N SUBMARINE SILENCING	4	15,565	12,283	18,165	19,608	U
294	25645N MODULR GLIDE WPN IMPR PROG	4	4,118	5,260	3,987	168	U
295	25658N LAB FLEET SUPPORT	4	4,283	4,669	5,787	6,812	U
296	25662N A/C PROPULSION EVAL GEN	4	2,000	2,835	3,105	3,556	U
297	25663N A/C FLIGHT TEST GENERAL	4	827	953			U
298	25667N F-14 A	4	15,530	14,724	42,705	77,673	U
299	25670N TACTICAL INTELL PROC SUP	4	2,721	1,942	2,413	2,059	U
300	25674N EW COUNTER RESPONSE	4	10,716	12,653	23,800	31,608	U
301	25676N OPERATIONAL REACTOR DEV	4	2,344	2,855	18,086	18,483	U
302	26313M MARINE CORPS TELECOM	4	1,862	2,228	5,014	7,532	U
303	26623M GRD COMBAT/SUP ARMS SYS	4	4,873	2,981	22,538	33,353	U
304	26624M COMBAT SERVICES SUP	4	493	369	1,382	1,419	U
305	26625M INTELL/ELECT WARFARE SYS	4		714	583	10	U
306	26626M COMMAND/CONT/COMM SYS	4	12,576	18,251	22,458	26,962	U

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DEPARTMENT OF THE NAVY
FY 1984 RDT & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
307	26627M M/C TECH SUPT C/C SYS	4	2,798	2,898	3,095	U
308	26010M TRI-TAC-MC	4	16,324	15,419	21,595	17,531 U
309	26010N TRI-TAC-NAVY	4	9,120	9,139	6,059	6,867 U
	TACTICAL PROGRAMS		3,576,626	2,612,774	4,295,505	4,917,234
310	63511M AIR CONTROL	5				1,373 U
311	63518N ADV NAVIG DEVELOPMENT	5	2,739	476	955	2,942 U
312	64514N NAVIGATION SYSTEMS	5	5,649	3,820	4,116	3,067 U
313	64577N EHF SATCOM	5		45,902	57,424	62,296 U
314	64777N NAVSTAR GPS	5	34,000	39,822	65,443	88,250 U
315	65866N C2 SYGTS PLAN/ENG SUPP	5	2,948	5,060	5,136	6,159 U
316	31303N FIELD OPER INTELL OFFICE	5				
317	31309N INTELLIGENCE SPT CENTER	5				
318	31326N PRAIRIE SCHOONER	5				
319	31327N TECH RECONN AND SURV	5				
320	31335N ADP GDIP SPT	5				
321	33109N SATELLITE COMMUNICATIONS	5	38,811	5,527	8,225	12,922 U
322	33126N LONG HAUL COMM(DCS)	5	689	5,465	1,172	675 U
323	33401N COMSEC	5				

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DEPARTMENT OF THE NAVY
 FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
324	34111N SPECIAL ACTIVITIES	5				
	INTELLIGENCE AND COMMUNICATIONS		211,307	266,346	346,080	429,912
325	63451N SPACE TECHNOLOGY	6	8,766			
326	64208N RANGE INST & SYS DEV	6	10,888	9,873	14,099	15,074 U
327	64258N TARGET SYSTEMS DEV	6	58,803	43,861	53,652	89,439 U
328	64703N TRNG & PERS SYS DEV	6	10,429	6,551	5,703	6,560 U
329	64709N JT MPWR/PERS PROTS	6	4,937	2,152	7,281	7,153 U
330	65151M STUDIES & ANAL SUP/MC	6	1,723	2,000	1,815	2,095 U
331	65152N STUDIES & ANAL SUP/NAVY	6	7,771	5,000	6,261	8,091 U
332	65153M MCOAG	6	2,482	2,754	2,679	3,058 U
333	65154N CENTER FOR NAVAL ANAL/NAVY	6	11,351	12,445	12,672	15,162 U
334	65156M MC OPERATIONAL T&E	6	966	2,848	2,527	2,384 U
335	65604N TECH INFO SERVICES	6	1,382	1,665	4,507	7,928 U
336	65652N AUTE C	6	37,320	43,658	49,197	51,587 U
337	65654M DEVELOPMENT CENTER SUPPORT	6	4,422	3,598	3,712	3,893 U
338	65657N INTERNATIONAL RDT&E	6	1,351	1,935	2,095	2,197 U
339	65659N MOBILE SEA RANGE	6	6,924	3,229	2,778	6,698 U
340	65661N RDT&E LAB & FAC MGMT SPT	6	52,520	62,499	64,827	68,882 U
341	65662N RDT&E INSTRUM & MATL SPT	6	45,462	32,266	24,921	25,367 U
342	65663N RDT&E SHIP & AIRCRAFT SPT	6	55,329	69,353	74,538	78,417 U
343	65664N TEST AND EVAL SPT	6	244,170	267,162	287,212	303,938 U

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DEPARTMENT OF THE NAVY
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985	C
344	65865N OT&E CAPABILITY	6	5,231	6,772	6,949	7,309	U
345	65870N STRATEGIC SYSTEMS TEST SUP	6	17,746	17,508			U
346	65872N PRODUCTIVITY IMPROVEMENT	6	7,490	4,410	4,304	1,611	U
347	35111N WEATHER SERVICE	6	2,867	1,186	1,568	1,425	U
348	35160N DEF METEOROLOGICAL SAT PROG	6	750	773	802	2,964	U
349	88751N CIVILIAN EDUCATION PROGS	6	800				U
	DEFENSEWIDE MISSION SUPPORT		601,990	603,498	634,099	711,232	

TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY

5,834,526 6,086,031 9,181,043 9,811,820

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AIR FORCE

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DEPARTMENT OF THE AIR FORCE
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

SUMMARY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

	FY 1982	FY 1983	FY 1984	FY 1985
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH	147,437	167,624	193,957	216,026
EXPLORATORY DEVELOPMENT	482,497	518,504	541,238	581,875
ADVANCED DEVELOPMENT	818,680	938,362	1,034,989	2,600,221
ENGINEERING DEVELOPMENT	4,399,772	5,984,883	6,977,558	8,044,708
MANAGEMENT AND SUPPORT	700,704	713,694	810,666	816,951
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	6,649,070	7,929,087	10,058,406	10,258,779
OPERATIONAL SYSTEMS DEVELOPMENT	2,248,701	2,702,494	3,893,866	3,841,545
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE	8,897,771	10,625,561	13,952,273	14,100,324
SUMMARY RECAP OF BUDGET ACTIVITIES				
TECHNOLOGY BASE	629,934	666,128	736,196	796,901
ADVANCED TECHNOLOGY DEVELOPMENT	397,699	415,819	600,647	640,705
STRATEGIC PROGRAMS	3,568,244	4,613,334	6,821,093	6,467,258
TACTICAL PROGRAMS	1,741,390	2,103,430	2,614,703	2,829,272
INTELLIGENCE AND COMMUNICATIONS	1,260,103	1,404,412	1,828,865	1,746,194
DEFENSEWIDE MISSION SUPPORT	1,300,201	1,402,438	1,651,770	1,819,994
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE	8,897,771	10,625,561	13,952,273	14,100,324
SUMMARY RECAP OF FYDP PROGRAMS				
STRATEGIC FORCES	421,953	482,954	466,670	337,485
GENERAL PURPOSE FORCES	342,314	525,708	772,274	713,476
INTELLIGENCE AND COMMUNICATIONS	1,446,362	1,866,486	2,315,112	2,750,421
AIRLIFT/SEALIFT	23,944	10,822	11,760	4,597
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	6,649,070	7,923,067	10,058,406	10,258,779
CENTRAL SUPPLY AND MAINTENANCE	11,468	13,738	22,483	27,713
TRAINING MEDICAL AND OTHER	2,670	2,788	2,674	5,107
SUPPORT OF OTHER NATIONS			2,722	2,746
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE	8,897,771	10,625,561	13,952,273	14,100,324

DEPARTMENT OF THE AIR FORCE
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
1	61101F IN-HOUSE LAB INDEPENDENT RESEARCH	1	11,208	12,624	13,069	17,005 U
2	61102F DEFENSE RESEARCH SCIENCES	1	136,179	155,000	180,888	198,021 U
3	62101F GEOPHYSICS	1	34,162	37,765	40,607	41,723 U
4	62102F MATERIALS	1	42,150	46,164	47,644	53,276 U
5	62201F AEROSPACE FLIGHT DYNAMICS	1	56,465	61,203	61,192	65,625 U
6	62202F AEROSPACE BIOTECHNOLOGY	1	97,921	40,500	43,614	46,705 U
7	62203F AEROSPACE PROPULSION	1	54,528	59,000	56,393	60,239 U
8	62204F AEROSPACE AVIONICS/VHSI CIRCUITS	1	62,626	67,634	70,119	74,341 U
9	62205F TRAINING/SIMULATION TECH	1	14,164	17,000	22,477	23,327 U
10	62302F ROCKET PROPULSION	1	94,515	37,072	35,210	41,154 U
11	62601F ADVANCED WEAPONS	1	99,650	44,452	45,714	47,740 U
12	62602F CONVENTIONAL MUNITIONS	1	33,234	97,402	40,899	43,651 U
13	62702F COMMAND/CONTROL/COMMUNICATION	1	67,323	69,612	69,254	75,124 U
14	62703F PERS UTILIZATION TECH	1	5,537	6,500	6,157	6,770 U
	TECHNOLOGY BASE		629,934	666,126	735,195	796,901
15	63103F ADVANCED AIRBORNE RADAR DEVELOPMENT	2			4,174	9,423 U
16	63106F LOGISTICS RESEARCH & DEV RDMTS	2			5,291	11,194 U
17	63202F ACFT PROPULSION SUBSYS INTEGRATION	2	23,013	21,466	27,026	27,176 U
18	63206F ADV AVIONICS FOR ACFT	2	14,944	17,201	25,260	24,677 U
19	63205F FLT VEHICLE TECHNOLOGY	2	9,055	7,301	15,039	22,157 U
20	63208F RECON SENSORS/PROCESSING TECHNOLOGY	2	4,085	4,600	7,736	10,493 U

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DEPARTMENT OF THE AIR FORCE
FY 1964 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 31 JAN 1963

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1962	FY 1963	FY 1964	FY 1965 C
21	63211F AEROSPACE STRUCTURES/MATERIALS	2	16,497	22,545	22,762	16,485 U
22	63210F AVIATION TURBINE FUEL TECHNOLOGY	2	6,466	6,699	5,042	7,092 U
23	63216F ADV TURBINE ENGINE GAS GENERATOR	2	33,278	30,979	26,905	25,397 U
24	63226F DOD COMMON PROG LANGUAGE(ADA)ADV DEV	2		6,930	7,601	6,075 U
25	63227F ADVANCED SIMULATOR TECHNOLOGY	2	4,192	10,739	6,731	6,402 U
26	63231F CREW SYSTEMS TECHNOLOGY	2		2,000	7,662	12,462 U
27	63245F ADV FIGHTER TECH INTEGRATION	2	13,955	10,967	19,492	26,568 U
28	63250F LINCOLN LABORATORY	2	22,117	23,079	25,070	23,755 U
29	63253F ADVANCED SYSTEM INTEGRATION DEMO	2		16,421	29,023	33,744 U
30	63259F CARTOG APPLICATIONS-TAC & STRAT SYS	2			1,299	2,097 U
31	63302F ADV MSLE PROPULSION	2	6,629		3,333	5,507 U
32	63363F HYPERVELOCITY MISSILE	2	10,070	992	974	U
33	63401F SPACE VEHICLE SUBSYSTEMS	2		4,339	6,314	29,293 U
34	63406F ADV MIL SPACEFLIGHT CAPABILITY	2		1,000	2,756	3,838 U
35	63410F SPACE SYS ENVIRON INTERACTIONS TECH	2			2,557	3,740 U
36	63452F VERY HIGH SPEED INTEGRATED CIRCUITS	2	79,647	66,004	125,109	120,421 U
37	63601F CONVENTIONAL WEAPONS	2	22,484	20,017	32,032	19,066 U
38	63603F SPACE LASERS	2			36,095	35,693 U
39	63605F ADVANCED RADIATION TECH	2	75,516	67,466	62,530	74,548 U
40	63704F MANPOWER PERS SYS TECH	2			1,630	2,742 U
41	63723F CIVIL/ENVIRONMENTAL ENOR TECH	2	3,665	4,102	5,007	4,257 U

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DEPARTMENT OF THE AIR FORCE
FY 1964 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 31 JAN 1963

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS				E FY 1960 C
			FY 1962	FY 1963	FY 1964	FY 1960 C	
42	63726F ADVANCED COMPUTER TECHNOLOGY	2	4,562	3,457	6,692	6,666	U
43	63743F ELECTRO-OPTICAL WARFARE	2	9,761	14,000	20,714	20,299	U
44	63745F CHEMICAL WARFARE DEFENSE	2		4,677	4,576	4,435	U
45	63750F COUNTER/COUNTERMEASURES -ADV DEV	2	2,036	5,541	10,559	11,771	U
46	63751F INNOVATIONS IN EDUCATION/TRAINING	2	2,491	2,600	6,116	5,063	U
47	63769F COMD/CNTRL/COMM ADV DEV	2	10,950	16,296	16,715	23,665	U
48	64247F MODULAR AUTOMATIC TEST EQUIPMENT	2	20,224				U
	ADVANCED TECHNOLOGY DEVELOPMENT		997,899	415,619	600,647	640,706	
49	63258F COMMON STRATEGIC ROTARY LAUNCHER	0	21,900	60,176	41,470	63,566	U
50	63311F ADVANCED STRATEGIC MISSILE SYSTEMS	0	99,624	49,737	97,597	127,021	U
51	63312F ADVANCED CONCEPTS	0		60,000			
52	63319F ADVANCED TECHNOLOGY CRUISE MISSILE	0	34,867	26,782	17,650		U
53	63424F MSL SURVEILLANCE TECH	0	14,496	9,745	7,489		U
54	63425F ADVANCED WARNING SYSTEMS	0	7,962	10,000	30,663	76,176	U
55	63426F SPACE SURVEILLANCE TECHNOLOGY	0	27,710	20,265	22,566	39,640	U
56	63431F SPACE COMMUNICATIONS	0	63,301				U
57	63436F SATELLITE SYS SURVIVABILITY	0	10,976				U
58	63703F CONUS OVER-THE-HORIZON RADAR	0	4,264				U
59	63716F ATMOSPHERIC SURVEILLANCE TECH	0			11,697		U
60	63736F WMMCS ARCHITECTURE	0		13,610	14,923	11,196	U

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DEPARTMENT OF THE AIR FORCE
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
62	64220F B-1B	0	471,000	753,500	749,900	491,800 U
63	64230F TANKER TRANSPORT SCHWER TRNG SYS	0			1,530	5,674 U
64	64012F M-X	0	1,699,740	2,505,762	3,076,369	2,901,163 U
65	64320F STRAT CONVENTIONAL STANDOFF CAP	3			35,000	93,500 U
66	64361F AIR LAUNCHED CRUISE MISSILE	0	99,920	136,994	26,547	25,472 U
67	64400F SPACE DEFENSE SYS	3	200,900	209,462	205,624	106,291 U
68	64711F SYSTEMS SURVIVABILITY (NUC AFFECTS)	0	11,605	12,836	11,821	14,232 U
69	11110F B-52 SQUADRONS	3	92,676	91,076	66,692	41,755 U
70	11142F KC-135 SQUADRONS	0	26,990	26,950	11,300	9,401 U
71	11210F MINUTEMAN SQUADRONS	0	19,326	10,957	4,956	4,761 U
72	11312F POST ATTACK COMD/ONTRL SYS	0	6,368	24,014	6,669	2,347 U
73	11310F SAC COMMUNICATIONS	0	50,434	26,096	15,256	1,597 U
74	12310F WMCOS ADP-NORAD/ADCOM	0	1,291	6,232	16,149	24,246 U
75	12011F NORAD COC	3	23,611	24,376	49,464	37,441 U
76	12310F BALLISTIC MSL TAG WING/ATK ASSES SYS	3		1,263	1,693	2,192 U
77	12320F JOINT SURVEILLANCE SYSTEM	0	1,095	1,167	769	750 U
78	12411F SURVEILL RADAR STATIONS/SITES	0	6,134	1,147	6,756	3,620 U
79	12412F DEW RADAR STATIONS	0		6,000	91,282	29,286 U
80	12417F CONUS OVER-THE-HORIZON RADAR	0	16,795	77,070	99,100	47,162 U
81	12420F BALLISTIC MSL EARLY WING SYSTEM	0	12,752	10,262	10,607	6,730 U
82	12424F SPACETRACK	0	6,016	5,542	5,659	7,519 U

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DEPARTMENT OF THE AIR FORCE
FY 1964 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 9600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 31 JAN 1963

PROGRAM ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS				U
			FY 1962	FY 1963	FY 1964	FY 1965	
63	12431F DEFENSE SUPPORT PROGRAM	0	145,780	120,287	48,889	59,908	U
64	12432F SLBM RADAR WARNING SYSTEMS	0	3,174	2,870	3,788	6,104	U
65	12433F INTEG OPERATIONAL NUDETS DETECT SYS	3	6,974	19,885	30,474	35,457	U
66	12436F COMD CTR PROCESS/DISPLAY SYS	0			19,982	11,272	U
67	12450F SPACE DEFENSE OPS	3	1,098	6,470			U
68	32018F NATIONAL EMER ABN COMD POST	0			20,927	24,311	U
69							
90	33182F WMMCS INFORMATION SYSTEM	0		5,000	25,257	35,342	U
91	33601F AIR FORCE SAT COMH SYS	0	79,201	45,129	185,552	169,553	U
92	33603F MIL STRATEGIC TACTICAL + RELAY SYS	0		117,627	149,908		
93	35155F THEATER NUC WPN STORAGE&SEC SYS	0			2,221	3,767	U
94	35158F SATELLITE DATA SYSTEM	3	25,393	7,886	7,624		U
95							
96							
STRATEGIC PROGRAMS			3,555,244	4,613,334	6,821,093	6,467,258	
97	63228F NEXT GENERATION TRAINER ACFT	4	14,645				U
98	63230F ADVANCED TACTICAL FIGHTER	4		83,000	37,361	162,314	U
99	63234F ENFORCER	4	6,000				U
100	63239F ADV TACTICAL AIR RECONNAISSANCE SYS	4				7,796	U
101	63244F ACFT NON-NUCLEAR SURVIVABILITY	4	1,594	2,011	2,924	3,941	U
102	63249F NIGHT ATTACK PROGRAM	4	7,017	4,491	3,748		U

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DEPARTMENT OF THE AIR FORCE
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0000 F RESEARCH DEVELOPMENT TEST & EVAL, AIR FORCE

DATE: 31 JAN 1983

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS					U C
			FY 1982	FY 1983	FY 1984	FY 1985	C	
103	63259F ADVANCED SYSTEM INTEGRATION DEMO	4	5,374					U
104	63260F JOINT SERVICE ADVANCED VERTICAL LIFT A/(S)JX) 4	4			14,351		42,926	U
105	63307F AIR BASE SURVIVABILITY	4			3,632		3,310	U
106	63313F ADV HSL SUBSYSTEMS DEMONSTRATION	4	5,678					U
107	63370F ADV MED RANGE A-A MSL	4	1,296					U
108	63609F ADV ATTACK WEAPONS	4	54,642	17,999				U
109	63714F OOD PHYSICAL SECURITY EQ-EXTERIOR	4	996	3,911	3,715		1,913	U
110	63716F ELECTRONIC WARFARE TECHNOLOGY	4	11,156	13,350	24,706		26,349	U
111	63726F FIBER OPTICS DEVELOPMENT	4		2,664	2,775		3,461	U
112	63727F ADVANCED COMMUNICATIONS TECHNOLOGY	4	3,280	6,106	5,024		4,650	U
113	63739F ADV DRONE/REMOTELY PILOTED VEH DEV	4	2,439					U
114	63742F COMBAT IDENTIFICATION TECHNOLOGY	4	11,194	14,986	14,029		11,907	U
115	63746F CHEMICAL WARFARE DEFENSE	4	3,965					U
116	63747F PAVE MOVER	4	5,160	2,003	4,026		3,365	U
117	63749F OOHX ADVANCED SYSTEMS	4			1,902		2,601	U
118								
119	64201F AOFT AVIONICS EQUIPMENT DEVELOPMENT	4	16,001	16,137	21,762		26,216	U
120	64212F AIRCRAFT EQUIPMENT DEV	4	2,057	1,664	10,594		14,667	U
121	64216F ENGINE MODEL DERIVATIVE PROG	4	36,510	36,254	13,653		16,667	U
122	64219F INTEGRATED DIGITAL AVIONICS	4	2,092					U
123	64220F EW COUNTER RESPONSE	4	9,165	22,000	34,508		37,252	U

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DEPARTMENT OF THE AIR FORCE
FY 1964 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 9600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 31 JAN 1963

PROGRAM ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS				E FY 1963 C
			FY 1962	FY 1963	FY 1964	FY 1965 C	
124	64222F NUCLEAR WEAPONS SUPPORT	4	1,694	2,298	1,972	1,991 U	
125	64223F ALTERNATE FIGHTER ENGINE	4		64,000	132,059	39,998 U	
126	64231F G-17 PROGRAM	4		60,000	26,600	92,633 U	
127	64247F MODULAR AUTOMATIC TEST EQUIPMENT	4		34,550	16,744	10,034 U	
128	64249F NIGHT PRECISION ATTACK	4	64,272	99,667	69,662	96,366 U	
129	64266F ACFT ENGINE COMPONENT IMPROVE PROG	4	121,889	107,312	142,031	156,462 U	
130	64313F NEXT GENERATION TRAINER	4		51,565	123,494	73,239 U	
131	64314F ADV MED RANGE AIR-TO-AIR MSL	4	108,480	206,460	166,621	201,221 U	
132	64321F JOINT TACTICAL FUSION PROGRAM	4	5,236	5,260	4,676	U	
133	64326F STANDOFF ATTACK WEAPON	4			16,379	67,158 U	
134	64362F GRD LAUNCHED CRUISE MSL	4	60,065	26,561	66,502	13,200 U	
135	64601F O/B DEFENSE EQUIPMENT	4	9,994	16,339	15,570	14,194 U	
136	64602F ARMAMENT ORDNANCE DEVELOPMENT	4	26,662	20,146	20,666	21,255 U	
137	64606F JOINT TACTICAL MISSILE SYSTEM	4		23,200	9,920	39,666 U	
138	64607F WIDE-AREA ANTI-ARMOR MUNITION	4	16,641	13,703	52,159	96,991 U	
139	64608F CLOSE AIR SUPPORT WEAPONS SYSTEM	4	22,676	4,412	1,520	U	
140	64612F LOW LEVEL LASER GUIDED BOMB	4	9,951	0,016		U	
141	64614F MEDIUM RANGE AIR-TO-SURFACE MISSILE	4	47,063	42,662	21,901	13,410 U	
142	64616F JSTARS	4	27,992	29,326	90,504	66,366 U	
143	64617F AIRBASE SURVIVABILITY	4			6,167	11,145 U	
144	64700F AEROMEDICAL SYSTEMS DEVELOPMENT	4			3,662	4,200 U	

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DEPARTMENT OF THE AIR FORCE
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985	FY 1986
145	64706F LIFE SUPPORT SYSTEM	4	13,049	11,417	15,399	16,514	U
146	64707F WEATHER SYSTEMS	4	3,486				U
147	64708F OTHER OPERATIONAL EQUIPMENT	4	15,276	16,353	10,651	6,937	U
148	64710F RECONNAISSANCE EQUIPMENT	4	6,432	7,695	13,362	16,329	U
149	64719F DOD PHYSICAL SECURITY EQ-EXTERIOR	4	7,370	16,595	17,955	15,363	U
150	64724F TAC C3 COUNTER-MEASURES	4	13,025	25,276	26,522	32,766	U
151	64726F COMBAT IDENTIFICATION SYSTEMS	4	12,164	19,000	26,952	32,401	U
152	64733F SURFACE DEF SUPPRESSION	4	6,932	4,740	1,916		U
153	64737F AIRBORNE SELF-PROTECTION JAMMER	4	54,096	46,726	42,241	16,041	U
154	64738F PROTECTIVE SYSTEMS	4	111,221	106,067	49,969	40,616	U
155	64739F TACTICAL PROTECTIVE SYSTEMS	4	20,709	26,093	34,669	37,164	U
156	64740F APPL FOR INFO PROCESSING TECH	4	4,662	4,497	7,660	12,331	U
157	64742F PRECISION LOCATION STRIKE SYSTEM	4	79,490	76,727	69,724	69,127	U
158	64746F EXPENDABLE DRONES	4	12,406				U
159	64750F INTELLIGENCE EQUIPMENT	4	14,624	12,669	15,400	15,671	U
160	64751F INTRA-THEATRE IMAGING SYSTEM	4	467				U
161	64753F COMBAT HELICOPTER MODERNIZATION	4	16,629	27,347	66,567	17,677	U
162	64754F JT TAC INFO DIST SYS	4	72,376	52,513	49,334	61,567	U
163	64756F SIDE LOOKING AIRBORNE RADAR (SLAR)	4	30,490	27,192	23,662	26,913	U

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DEPARTMENT OF THE AIR FORCE
 FY 1984 R D T & E PROGRAM

EXHIBIT R-1

DATE: 31 JAN 1983

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	PROGRAM ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C	E
164	64779F	JT INTEROPERABILITY TAC COMD/CNTRL	4	7,472	3,637	5,567	4,023	U
165								
166	27126F	F-4 SQUADRONS	4	5,776				U
167	27129F	F-111 SQUADRONS	4	2,690	36,290	64,356	110,671	U
168	27130F	F-15 SQUADRONS	4	32,296	104,612	117,774	66,645	U
169	27131F	A-10 SQUADRONS	4	16,549	5,000	2,716	2,694	U
170	27132F	FIGHTER DERIVATIVE	4			104,712	159,507	U
171	27139F	F-16 SQUADRONS	4	57,294	73,466	107,395	72,832	U
172	27136F	F-40 WILD WEASEL SQUADRONS	4		20,000	53,254	40,547	U
173	27168F	TACTICAL AGM MISSILES	4	4,284	4,790	6,124	3,734	U
174	27247F	TACTICAL SURVEILLANCE SYS	4	299	265	271	265	U
175	27411F	OVERSEAS AIR WEAPON CONT SYS	4	1,739	3,466	3,320	3,199	U
176	27412F	TACTICAL AIR CONTROL SYSTEM	4	15,656	5,422	6,639	20,276	U
177	27417F	TAC AIRBORNE COMD/CNTRL SYS	4	51,610	66,960	69,106	65,166	U
178	27423F	ADV COMM SYS	4	51,510	10,679	65,216	66,011	U
179	27431F	TAC AIR INTELL SYS ACTYS	4	10,276	6,243	1,462	6,514	U
180								
181	27566F	SEEK SPINNER	4		26,900			
182								
183	27596F	BASE COMM - TACTICAL AIR FORCES	4			460	950	U
184	26006F	AHRAAM OPER UTILITY EVAL	4	2,700				U

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DEPARTMENT OF THE AIR FORCE
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
185	26010F JT TACTICAL COMM PROG (TRI-TAC)	4	25,851	47,860	25,794	6,153 U
186	36867F ELECTROMAGNETIC COMBAT INTEL SPT	4		2,923	1,640	1,905 U
187	41110F C-130 AIRLIFT SQUADRONS (IF)	4	14,944	668	465	U
188	41110F C-141 AIRLIFT SQUADRONS (IF)	4			3,194	1,363 U
189	41119F O-5 AIRLIFT SQUADRONS (IF)	4	9,000	7,577	4,774	1,363 U
190	41314F OPERATIONAL SUPPORT AIRLIFT	4		2,857		U
191	41840F MAC COMMAND/CONTROL SYS	4			3,327	1,671 U
192	71113F PROCUREMENT OPERATIONS	4				95 U
	TACTICAL PROGRAMS		1,741,390	2,103,430	2,614,703	2,629,272
193	63431F SPACE COMMUNICATIONS	5		39,949	39,924	45,672 U
194	63730F WMMCS ARCHITECTURE	5	9,066			U
195	64776F NAVSTAR GPS USER EQUIPMENT	5	165,377	122,651	95,714	55,669 U
196	65706F AIRCRAFT NAVIGATION SYS VERIF	5	1,694			U
197	21131F US READINESS CMD - COMM	5				949 U
198	31313F DEFENSE DISSEMINATION PROGRAM	5	1,700			
199	31314F INFRARED PROCESSING + EXPLOITATION	5	2,400			
200	31315F MISSILE AND SPACE TECH COLLECTION	5	19,450	651		
201	31316F TECHNICAL SENSOR COLLECTION	5		2,000		
202						
203						

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DEPARTMENT OF THE AIR FORCE
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 31 JAN 1983

PROGRAM ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS				S E C
			FY 1982	FY 1983	FY 1984	FY 1985	
204	31057F INTEG OPERATIONAL NUDETS DETECT SYS	0	4,500	1,996			
205	33110F DEF SATELLITE COMM SYS	0	60,875	61,628	41,036		31,978 U
206	33128F LONG-HAUL COMMUNICATIONS (DCS)	0	7,940	12,737	6,303		11,542 U
207	33144F ELECTROMAG COMPATIBILITY ANAL CTR	0	6,965	7,251	7,122		6,900 U
208	33401F COMMUNICATIONS SECURITY	0	1,594	1,621			
209	34111F SPECIAL ACTIVITIES	0	939,204	1,126,200			
210	35114F TRAFFIC CNTRL/APPROACH/LANDING SYS	0	5,260	4,345	6,269		7,798 U
211							
212	35164F NAVSTAR GLOBAL POS SYS (USER EQ)	0			6,776		9,269 U
213	35165F NAVSTAR OPS (SPACE/ORD SEGMENTS)	0			27,143		32,348 U
214	64700F GEN INTELLIGENCE SKILL TNG	0			2,874		5,107 U
	INTELLIGENCE AND COMMUNICATIONS		1,260,103	1,404,412	1,528,665		1,746,194
215	63226F DOD COMMON PROG LANGUAGE(ADA)ADV DEV	0	6,974				U
216	63240F CONCEPT DEVELOPMENT	0			960		3,225 U
217	63402F SPACE TEST PROGRAM	0	42,939	62,673	71,066		77,559 U
218	63436F SATELLITE SYS SURVIVABILITY	0		19,525	34,011		59,920 U
219	63707F WEATHER SYSTEMS	0	3,189	3,436	3,244		2,962 U
220	64211F ADV AERIAL TARGETS DEV	0	14,150	12,756	10,676		3,290 U
221	64223F ALTERNATE FIGHTER ENGINE	0	36,669				U
222	64227F FLIGHT SIMULATOR DEVELOPMENT	0	11,106	5,439	25,039		103,076 U
223	64411F SPACE SHUTTLE	0	276,700	355,113	637,361		329,385 U

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DEPARTMENT OF THE AIR FORCE
FY 1964 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 31 JAN 1963

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1962	FY 1963	FY 1964	FY 1965 C
			THOUSANDS OF DOLLARS			
224	64600F LOGISTICS TECH FOR WEAPONS SYSTEMS	6			10,057	14,226 U
225	64707F WEATHER SYSTEMS	6		4,064	6,111	2,405 U
226	64735F RANGE IMPROVEMENT	6	22,677	25,311	16,044	20,226 U
227	64747F ELECTROMAG RADIATION TEST FACIL	6	3,086	7,487	7,202	7,943 U
228	64755F IMPROVED CAPABILITY FOR RDT+E	6		31,476	66,339	60,333 U
229	65101F PROJECT AIR FORCE	6	14,846	16,231	16,629	17,027 U
230	65304F ACQ/COMD SPT - TELECOM	6	6,436	4,764	5,945	5,656 U
231	65306F RANCH HAND II EPIDEMIOLOGY STUDY	6	7,365	640	5,025	742 U
232	65706F AIRCRAFT NAVIGATION SYS VERIF	6		16,590	36,704	16,264 U
233	65806F ACQUISITION AND COMMAND SUPPORT	6	267,217	279,000	903,430	316,261 U
234	65807F TEST AND EVALUATION SPT	6	370,217	353,606	391,036	407,937 U
235	65808F ADV SYS ENGINEERING/PLAN	6	4,961	3,500	2,366	6,098 U
236	65872F PRODUCTIVITY IMPROVEMENT	6			4,109	U
237	65890F INSTL AUDIOVISUAL SPT (R/D)	6	5,394	5,622	5,615	5,799 U
238	65898F MGT HQ (RESEARCH/DEV)	6	22,530	34,341	37,566	37,145 U
239	35110F SATELLITE CONTROL FACILITY	6	67,645	60,219	72,449	66,760 U
240	35119F SPACE BOOSTERS	6	19,426	15,011	15,596	12,950 U
241	35130F CONSOLIDATED SPACE OPERATIONS CENTER	6	16,422	26,000	72,677	73,946 U
242	35160F DEF METEOROLOGICAL SATELLITE PROG	6	43,523	25,365	26,570	50,642 U

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DEPARTMENT OF THE AIR FORCE
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

DATE: 31 JAN 1983

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C	E
243	36171F SPACE LAUNCH SUPPORT	6	20,151	16,419	34,525	43,607	U
244	71112F INVENTORY CONTROL POINT OPERATIONS	6		946		3,080	U
245	76011F INDUSTRIAL PREPAREDNESS	6		1,977	4,806	5,154	U
246	76019F UTAH TESTING + TRAINING RANGE	6	1,793	2,080	2,229	2,250	U
247	76026F PRODUCT/RELIABLE/AVAIL/MAINTAIN PROG	6	9,665	9,661	14,472	17,134	U
248	01004F INTERNATIONAL ACTIVITIES	6	2,670	2,788	2,722	2,746	U
	DEFENSEWIDE MISSION SUPPORT		1,300,201	1,402,438	1,651,770	1,619,994	

TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

8,897,771	10,625,561	13,652,273	14,100,324
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DEFENSE AGENCIES

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DEFENSE AGENCIES
 R D T & E PROGRAM

EXHIBIT R-1

DATE: 31 JAN 1983

SUMMARY

THOUSANDS OF DOLLARS

	FY 1982	FY 1983	FY 1984	FY 1985
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH	94,140	102,800	110,400	127,174
EXPLORATORY DEVELOPMENT	635,103	935,500	1,078,200	1,245,270
ADVANCED DEVELOPMENT	16,807	16,285	17,611	17,581
ENGINEERING DEVELOPMENT	6,247	7,032	6,619	6,546
MANAGEMENT AND SUPPORT	45,980	49,289	67,000	80,562
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	998,247	1,112,898	1,279,030	1,479,133
OPERATIONAL SYSTEMS DEVELOPMENT	699,399	1,040,293	1,660,870	1,936,769
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	1,697,646	2,153,189	2,939,900	3,415,902
SUMMARY RECAP OF BUDGET ACTIVITIES				
TECHNOLOGY BASE	929,243	1,038,300	1,188,600	1,372,444
ADVANCED TECHNOLOGY DEVELOPMENT			2,000	2,500
STRATEGIC PROGRAMS	95,491	65,127	65,300	65,956
TACTICAL PROGRAMS	2,719	700	2,100	2,152
INTELLIGENCE AND COMMUNICATIONS	634,243	977,773	1,612,700	1,900,320
DEFENSEWIDE MISSION SUPPORT	45,980	51,269	69,200	82,530
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	1,697,646	2,153,189	2,939,900	3,415,902
SUMMARY RECAP OF FYDP PROGRAMS				
GENERAL PURPOSE FORCES	2,719	700	2,100	2,152
INTELLIGENCE AND COMMUNICATIONS	696,690	1,037,593	1,656,570	1,932,649
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	998,247	1,112,896	1,279,030	1,479,133
SUPPORT OF OTHER NATIONS		2,000	2,200	1,968
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	1,697,646	2,153,189	2,939,900	3,415,902
SUMMARY RECAP OF DEFENSE AGENCIES				
DEFENSE MAPPING AGENCY				
DEPARTMENT OF DEFENSE (OSD AND OASDS)	20,900	23,189	33,200	42,453
DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	675,462	729,650	867,700	996,700
NATIONAL SECURITY AGENCY				
DEFENSE NUCLEAR AGENCY	259,407	315,000	330,500	385,470
DEFENSE RECONNAISSANCE SUPPORT PROGRAM				
DEFENSE COMMUNICATIONS AGENCY	106,410	105,925	92,600	83,845
DEFENSE INTELLIGENCE AGENCY				
DEFENSE LOGISTICS AGENCY	17,774	20,000	24,600	28,477
UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES	1,650	1,800	1,800	1,874
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	1,697,646	2,153,189	2,939,900	3,415,902

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DEFENSE AGENCIES
 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
1	61101E DEFENSE RESEARCH SCIENCES	1	92,490	101,000	108,600	125,300 U
2	61101W IN-HOUSE LAB INDEPENDENT RESEARCH	1	1,650	1,800	1,800	1,874 U
3	62101E TECHNICAL STUDIES	1	3,300	1,000	1,200	1,500 U
4	62301E STRATEGIC TECHNOLOGY	1	154,630	161,500	207,900	252,700 U
5	62702E TACTICAL TECHNOLOGY	1	76,700	93,500	120,800	148,500 U
6	62707E PARTICLE BEAM TECHNOLOGY	1	30,550	33,000	33,100	36,400 U
7	62708E INTEGRATED COMD/CONTROL TECH	1	41,100	45,300	50,000	55,000 U
8	62711E EXPERIMENTAL EVAL MAJ INNOVATIVE TECH.	1	237,670	253,500	290,000	315,500 U
9	62712E MATERIALS PROCESSING TECH	1	14,830	15,400	25,700	29,200 U
10	62714E NUCLEAR MONITORING	1	16,916	17,300	19,000	21,000 U
11	62716H DEFENSE NUCLEAR AGENCY	1	259,407	315,000	330,500	385,470 U
	TECHNOLOGY BASE		929,243	1,038,300	1,188,600	1,372,444
12	35108K COMMAND AND CONTROL RESEARCH	2			2,000	2,500 U
13	63735K WMMCCS ARCHITECTURE	3	1,020	1,262	1,227	1,288 U
14	32016K NMCS-WIDE SUPPORT	3	10,762	7,906	6,896	7,120 U
15	32017K WMMCCS ADP-JTSA	3	14,876	23,355	8,015	2,630 U
16	32019K WMMCCS SYSTEM ENGINEER	3	48,747	42,759	36,649	31,829 U
17	33131K MINIMUM ESSENTIAL EMER COMM NETWORK	3	6,483	9,845	12,613	13,081 U

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DEFENSE AGENCIES
 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
18	33152K WMCCS INFORMATION SYSTEM	3	3,603			U
	STRATEGIC PROGRAMS		85,491	85,127	65,300	55,956
19	21135K CINC C2 INITIATIVES	4	2,719	700	2,100	2,152 U
20	63701B MAP/CHART/GEODESY INV/PROTOTYPE DEV	5	15,787	16,993	16,384	16,293 U
21	64701B MAP/CHART/GEODESY ENGR DEV/TEST	5	6,247	7,052	5,819	8,546 U
22	310110 CRYPTOLOGIC ACTIVITIES	5				
23	31301L GENERAL DEFENSE INTELLIGENCE PROGRAM	5				
24	31398L MANAGEMENT HEADQUARTERS ODIP	5	78	323	339	356 U
25	33126K LONG-HAUL COMMUNICATIONS (DCS)	5	18,200	18,108	20,523	18,496 U
26	33127K SUPPORT OF THE NCS	5		1,990	2,877	4,741 U
27	334010 COMMUNICATIONS SECURITY	5				
28	35159B DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	5				
29	35159I DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	5				
30	35159L DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	5				
31	351670 COMPUTER SECURITY	5				
32	358850 TACTICAL CRYPTOLOGIC ACTIVITIES	5				
	INTELLIGENCE AND COMMUNICATIONS		634,243	977,773	1,612,700	1,900,320
33	65104D TECHNICAL SUPPORT TO USDR/E	6	12,100	11,013	15,932	22,141 U
34	65106D GENERAL SUPPORT FOR PA/E	6	2,200	1,835	3,185	4,400 U
35	65107D SUPPORT TO POLICY	6	2,100	3,294	4,858	4,865 U

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DEFENSE AGENCIES
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985
36	65108D GENERAL SUPPORT FOR NET ASSESSMENT	6	1,900	3,212	4,397	4,938 U
37	65109D GENERAL SUPPORT FOR MRA/L	6	2,600	1,835	2,688	4,141 U
38	65801S DEFENSE TECHNICAL INFO CENTER	6	14,574	16,000	18,760	20,647 U
39	65802S INFORMATION ANALYSIS CENTERS	6	3,200	4,000	5,840	7,830 U
40	65896E MGT HQ (RESEARCH/DEVELOPMENT)	6	7,276	8,100	11,400	11,600 U
41	01015D TECHNOLOGY TRANSFER FUNCTIONS	6		2,000	2,200	1,968 U
	DEFENSEWIDE MISSION SUPPORT		45,950	51,289	69,200	82,530
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES			1,687,646	2,153,189	2,939,900	3,415,902

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DEFENSE AGENCIES
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

SUMMARY

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

	FY 1982	FY 1983	FY 1984	FY 1985
SUMMARY RECAP OF RESEARCH CATEGORIES				
MANAGEMENT AND SUPPORT	53,000	55,000	56,800	60,248
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	53,000	55,000	56,800	60,248
TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	53,000	55,000	56,800	60,248
SUMMARY RECAP OF BUDGET ACTIVITIES				
DEFENSEWIDE MISSION SUPPORT	53,000	55,000	56,800	60,248
TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	53,000	55,000	56,800	60,248
SUMMARY RECAP OF FYDP PROGRAMS				
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	53,000	55,000	56,800	60,248
TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	53,000	55,000	56,800	60,248

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DEFENSE AGENCIES
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0450 D DIRECTOR OF TEST + EVALUATION, DEFENSE

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
1	66111D FOREIGN WEAPONS EVALUATION	6	10,900	11,600	11,800	12,373 U
2	65604D TEST AND EVALUATION	6	42,100	43,400	45,000	47,875 U
	DEFENSEWIDE MISSION SUPPORT		53,000	55,000	56,800	60,248
	TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE		53,000	55,000	56,800	60,248

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DEFENSE MAPPING AGENCY
 FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985	C
20	63701B MAP/CHART/GEODESY INV/PROTOTYPE DEV	5	15,787	16,993	16,384	16,293	U
21	64701B MAP/CHART/GEODESY ENGR DEV/TEST	5	6,247	7,052	5,819	8,546	U
28	35159B DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	5					
INTELLIGENCE AND COMMUNICATIONS							

TOTAL DEFENSE MAPPING AGENCY

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DEPARTMENT OF DEFENSE (OSD AND OASDS)
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
33	65104D TECHNICAL SUPPORT TO USDR/E	6	12,100	11,013	15,932	22,141 U
34	65106D GENERAL SUPPORT FOR PA/E	6	2,200	1,835	3,185	4,400 U
35	65107D SUPPORT TO POLICY	6	2,100	3,294	4,858	4,865 U
36	65108D GENERAL SUPPORT FOR NET ASSESSMENT	6	1,900	3,212	4,337	4,938 U
37	65109D GENERAL SUPPORT FOR MRA/L	6	2,600	1,835	2,688	4,141 U
41	01015D TECHNOLOGY TRANSFER FUNCTIONS	6		2,000	2,200	1,968 U
	DEFENSEWIDE MISSION SUPPORT		20,900	23,189	33,200	42,453
TOTAL DEPARTMENT OF DEFENSE (OSD AND OASDS)			20,900	23,189	33,200	42,453

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DEFENSE ADVANCED RESEARCH PROJECTS AGENCY
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985	
1	61101E DEFENSE RESEARCH SCIENCES	1	92,490	101,000	108,600	125,300	U
3	62101E TECHNICAL STUDIES	1	3,300	1,000	1,200	1,500	U
4	62301E STRATEGIC TECHNOLOGY	1	154,630	161,500	207,900	252,700	U
5	62702E TACTICAL TECHNOLOGY	1	76,700	93,500	120,800	148,500	U
6	62707E PARTICLE BEAM TECHNOLOGY	1	30,550	33,000	33,100	36,400	U
7	62708E INTEGRATED CMD/CONTROL TECH	1	41,100	45,300	50,000	55,000	U
8	62711E EXPERIMENTAL EVAL MAJ INNOVATIVE TECH	1	237,670	253,500	290,000	315,500	U
9	62712E MATERIALS PROCESSING TECH	1	14,830	15,400	25,700	29,200	U
10	62714E NUCLEAR MONITORING	1	16,916	17,300	19,000	21,000	U
	TECHNOLOGY BASE		668,166	721,500	856,300	985,100	
40	65898E MGT HQ (RESEARCH/DEVELOPMENT)	6	7,276	8,100	11,400	11,600	U
TOTAL	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY		675,462	729,600	867,700	996,700	

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NATIONAL SECURITY AGENCY
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985
22	310110 CRYPTOLOGIC ACTIVITIES	5				
27	334010 COMMUNICATIONS SECURITY	5				
31	351670 COMPUTER SECURITY	5				
32	358850 TACTICAL CRYPTOLOGIC ACTIVITIES	5				
	INTELLIGENCE AND COMMUNICATIONS					

TOTAL NATIONAL SECURITY AGENCY

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DEFENSE NUCLEAR AGENCY
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

DATE: 31 JAN 1983

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
11 6271SH	DEFENSE NUCLEAR AGENCY	1	259,407	315,000	330,500	385,470 U
TOTAL	DEFENSE NUCLEAR AGENCY		259,407	315,000	330,500	385,470

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DEFENSE RECONNAISSANCE SUPPORT PROGRAM
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
29	351591 DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	5				
TOTAL DEFENSE RECONNAISSANCE SUPPORT PROGRAM						

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 DEFENSE COMMUNICATIONS AGENCY
 FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 31 JAN 1983

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS				E
			FY 1982	FY 1983	FY 1984	FY 1985	
12	35108K COMMAND AND CONTROL RESEARCH	2			2,000		2,500 U
13	63735K WMCCS ARCHITECTURE	3	1,020	1,262	1,227		1,288 U
14	32016K NMCS-WIDE SUPPORT	3	10,762	7,906	6,896		7,120 U
15	32017K WMCCS ADP-JTSA	3	14,876	23,355	8,015		2,638 U
16	32019K WMCCS SYSTEM ENGINEER	3	48,747	42,759	36,549		31,829 U
17	33131K MINIMUM ESSENTIAL EMER COMM NETWORK	3	6,483	9,845	12,613		13,081 U
18	33152K WMCCS INFORMATION SYSTEM	3	3,603				U
	STRATEGIC PROGRAMS		85,491	85,127	65,300		55,956
19	21135K CINC C2 INITIATIVES	4	2,719	700	2,100		2,152 U
25	33126K LONG-HAUL COMMUNICATIONS (DCS)	5	18,200	18,108	20,523		18,496 U
26	33127K SUPPORT OF THE NCS	5		1,990	2,877		4,741 U
	INTELLIGENCE AND COMMUNICATIONS		18,200	20,098	23,400		23,237
	TOTAL DEFENSE COMMUNICATIONS AGENCY		106,410	105,925	92,800		83,845

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DEFENSE INTELLIGENCE AGENCY
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
23	31301L GENERAL DEFENSE INTELLIGENCE PROGRAM	5				
24	31398L MANAGEMENT HEADQUARTERS ODIP	5	78	323	339	356 U
30	36159L DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	5				
	INTELLIGENCE AND COMMUNICATIONS					

TOTAL DEFENSE INTELLIGENCE AGENCY

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DEFENSE LOGISTICS AGENCY
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
38	65801S DEFENSE TECHNICAL INFO CENTER	6	14,574	16,000	18,760	20,647 U
39	65802S INFORMATION ANALYSIS CENTERS	6	3,200	4,000	5,840	7,830 U
	DEFENSEWIDE MISSION SUPPORT		17,774	20,000	24,600	28,477
	TOTAL DEFENSE LOGISTICS AGENCY		17,774	20,000	24,600	28,477

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UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES
FY 1984 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 31 JAN 1983

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1982	FY 1983	FY 1984	FY 1985 C
2	61101W IN-HOUSE LAB INDEPENDENT RESEARCH	1	1,650	1,800	1,800	1,874 U
TOTAL UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES			1,650	1,800	1,800	1,874

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