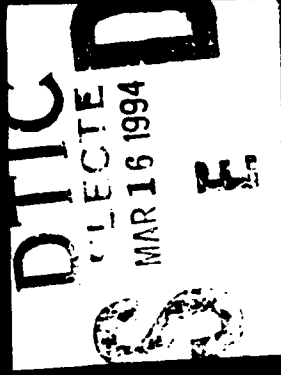


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RDTE Programs (R-1)



94-08395



copy



Department of Defense Budget For Fiscal Year 1995

February 1994

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Preface

The R.D.T. & E. Programs (R-1) exhibit is derived from and consistent with the DoD Future Years 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 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

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Department of Defense
 FY 1995 R D T & E Program

Exhibit R-1

Summary

Date: FEB 1994

Thousands of Dollars

	FY 1993	FY 1994	FY 1995
Summary By Appropriation			
Research Development Test & Eval Army	6,057,072	5,421,346	5,260,082
Research Development Test & Eval Navy	8,867,441	8,301,286	8,934,718
Research Development Test & Eval AF	12,866,924	12,258,662	12,349,362
Research Development Test & Eval Defwide	9,764,807	8,710,050	9,416,855
Director of Test & Eval Defense	259,021	231,757	251,495
Director of Operational Test & Evaluation	12,333	11,450	12,501
Total Research, Development, Test & Evaluation	37,827,598	34,934,551	36,225,013

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Department of Defense
FY 1995 R D T & E Program

Exhibit R-1

Summary

Date: FEB 1994

Thousands of Dollars

	FY 1993	FY 1994	FY 1995
Summary Recap of Budget Activities			
Basic Research	1,314,079	1,204,983	1,225,199
Exploratory Development	3,549,022	2,743,331	2,983,717
Advanced Development	6,282,318	6,155,127	5,117,395
Demonstration and Validation	4,211,722	2,697,665	3,770,649
Engineering and Manufacturing Development	8,486,601	7,441,099	8,916,042
RD&E Management Support	3,397,818	3,217,934	3,342,746
Operational Systems Development	10,586,038	11,474,412	10,869,265
Total Research, Development, Test & Evaluation	37,827,598	34,934,551	36,225,013
Summary Recap of FYDP Programs			
Strategic Forces	358,767	288,855	319,768
General Purpose Forces	2,689,413	3,723,102	3,975,323
Intelligence and Communications	7,034,838	6,820,286	6,140,561
Airlift/Sealift	12,198	22,459	5,160
Research and Development (FYDP Program 6)	27,211,345	23,458,356	25,506,979
Central Supply and Maintenance	265,963	330,567	51,068
Training Medical and Other	100	1,915	1,526
Administration and Assoc Activities	15,955	5,775	5,655
Support of Other Nations	3,522	1,909	3,436
Special Operations Forces	235,497	281,327	215,537

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Department of the Army
 FY 1995 R D T & E Program

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Summary

Date: FEB 1994

Thousands of Dollars

	FY 1993	FY 1994	FY 1995
Summary Recap of Budget Activities			
Basic Research	215,128	207,254	214,113
Exploratory Development	734,905	631,606	562,735
Advanced Development	864,758	524,748	515,853
Demonstration and Validation	646,668	544,104	408,978
Engineering and Manufacturing Development	1,820,272	1,711,383	1,733,643
RDT&E Management Support	1,364,642	1,150,197	1,172,823
Operational Systems Development	410,699	652,054	651,937
Total Research Development Test & Eval Army	6,057,072	5,421,346	5,260,082

Summary Recap of FYDP Programs

	FY 1993	FY 1994	FY 1995
Strategic Forces	1	1	1
General Purpose Forces	205,732	399,711	475,063
Intelligence and Communications	148,475	168,228	121,175
Research and Development (FYDP Program 6)	5,660,399	4,810,206	4,663,843
Central Supply and Maintenance	32,881	43,200	
Administration and Assoc Activities	9,584		
Total Research Development Test & Eval Army	6,057,072	5,421,346	5,260,082

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Appropriation: 2040 A Research Development Test & Eval Army Date: FEB 1994

Line Element No	Program Number	Item	Act	FY 1993	FY 1994	FY 1995 c
Thousands of Dollars						
1	0601101A	In-House Laboratory Independent Research	1	11,506	10,947	13,717 U
2	0601102A	Defense Research Sciences	1	199,936	190,600	195,346 U
3	0601104A	Electromechanics and Hypervelocity Physics	1	3,686	5,707	5,050 U
Basic Research						
4	0602104A	TRACTOR ROSE	2	3,374	5,713	7,591 U
5	0602105A	Materials Technology	2	17,696	17,274	11,083 U
6	0602120A	Electronic Survivability and Fuzing Technology	2	27,303	34,708	26,036 U
7	0602122A	TRACTOR HIP	2	23,195	13,906	11,502 U
8	0602123A	TRACTOR FIELD	2	3,863		U
9	0602211A	Aviation Technology	2	45,217	35,107	19,993 U
10	0602270A	EW Technology	2	19,030	20,921	18,256 U
11	0602303A	Missile Technology	2	38,709	23,255	23,301 U
12	0602307A	Laser Weapons Technology	2	53	4,509	U
13	0602308A	Modeling and Simulation	2	4,715	10,000	51,517 U
14	0602601A	Combat Vehicle and Automotive Technology	2	57,717	39,444	28,330 U
15	0602618A	Ballistics Technology	2	60,534	29,510	25,692 U
16	0602622A	Chemical, Smoke and Equipment Defeating Technology	2	44,973	39,537	29,657 U
17	0602623A	Joint Service Small Arms Program	2	4,643	3,393	5,326 U
18	0602624A	Weapons and Munitions Technology	2	36,386	35,665	28,163 U

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Appropriation: 2040 A Research Development Test & Eval Army

Date: FEB 1994

Line Element No	Program Element No	Item	Act	FY 1993	FY 1994	FY 1995 C
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Thousands of Dollars						
19	0602705A	Electronics and Electronic Devices	2	21,499	24,886	21,222 U
20	0602709A	Night Vision Technology	2	33,444	18,917	19,406 U
21	0602716A	Human Factors Engineering Technology	2	10,594	15,144	14,393 U
22	0602720A	Environmental Quality Technology	2	62,731	54,123	25,887 U
23	0602727A	Non-System Training Device Technology	2	7,836	4,407	U
24	0602782A	Command, Control, Communications Technology	2	18,074	10,321	16,900 U
25	0602783A	Computer and Software Technology	2	3,520	5,736	4,635 U
26	0602784A	Military Engineering Technology	2	40,543	41,377	41,201 U
27	0602785A	Manpower/Personnel/Training Technology	2	15,310	13,319	10,484 U
28	0602786A	Logistics Technology	2	36,537	31,417	31,825 U
29	0602787A	Medical Technology	2	92,721	94,761	87,529 U
30	0602788A	TRACTOR FLOP	2	1,577	1,560	418 U
31	0602789A	ARMY Artificial Intelligence Technology	2	3,111	2,696	2,388 U
Exploratory Development				734,905	631,606	562,735
32	0602813A	TRACTOR DUMP	3	15,922		U
33	0603001A	Logistics Advanced Technology	3	19,080	12,897	14,386 U
34	0603002A	Medical Advanced Technology	3	248,360	115,000	41,028 U
35	0603003A	Aviation Advanced Technology	3	40,259	41,406	51,350 U
36	0603004A	Weapons and Munitions Advanced Technology	3	59,061	27,269	25,562 U

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Date: FEB 1994

Thousands of Dollars

Line Element No	Program Element Number	Item	Act	FY 1993	FY 1994	FY 1995
37	0603005A	Combat Vehicle and Automotive Advanced Technology	3	41,194	39,044	59,414 U
38	0603006A	Command, Control, Communications Advanced Technology	3	11,047	8,028	17,179 U
39	0603007A	Manpower, Personnel and Training Advanced Technology	3	15,939	8,064	5,698 U
40	0603009A	TRACTOR HIKE	3	6,338	4,346	5,399 U
41	0603012A	TRACTOR HOLE	3	20,406	11,644	7,813 U
42	0603013A	TRACTOR DIRT	3	5,128	1,886	1,665 U
43	0603017A	TRACTOR RED	3	3,574	15,619	10,167 U
44	0603020A	TRACTOR ROSE	3		6,671	3,240 U
45	0603102A	Materials and Structures Advanced Technology	3	6,224		U
46	0603105A	Acquired Immune Deficiency Syndrome (AIDS) Research	3	53,656	33,410	3,185 U
47	0603122A	TRACTOR HIP	3			4,600 U
48	0603238A	Global Surveillance/Air Defense/Precision Strike Technology Demonstratio	3	37,308	20,875	41,834 U
49	0603270A	EW Technology	3	40,162	32,553	6,967 U
50	0603313A	Missile and Rocket Advanced Technology	3	19,962	46,438	94,602 U
51	0603322A	TRACTOR CAGE	3	23,065	10,353	17,497 U
52	0603606A	Landmine Warfare and Barrier Advanced Technology	3	18,004	9,982	11,950 U
53	0603607A	Joint Service Small Arms Program	3	5,444	7,522	5,746 U
54	0603654A	Line-Of-Sight, Antitank (LOSAT)	3	111,860	5,000	4,937 U
55	0603710A	Night Vision Advanced Technology	3	29,959	34,762	33,612 U
56	0603734A	Military Engineering Advanced Technology	3	3,210	2,910	12,829 U

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57	0603742A	Advanced Electronic Devices Development	3	5,632				U
58	0603759A	Chemical Biological Defense and Smoke Advanced Technology	3	4,298	2,631			198 U
59	0603772A	Advanced Tactical Computer Science and Technology	3	19,666	26,438			34,995 U
		Advanced Development		864,758	524,748			515,853
60	0603018A	TRACTOR TREAD	4	11,505	12,000			20,752 U
61	0603019A	TRACTOR DUMP	4	4,027	18,941			15,725 U
62	0603053A	Advanced Command and Control Vehicle	4	20,338				U
63	0603303A	Surface-to-Surface Missile Rocket System	4	1,900				U
64	0603392A	Anti-Satellite Weapon (ASAT)	4	18,862				U
65	0603604A	Nuclear Munitions - Adv Dev	4	2,869	2,003			U
66	0603617A	Non-Line of Sight (N-LOS)	4	199	25,000			U
67	0603619A	Landmine Warfare and Barrier - Adv Dev	4	9,953	21,609			23,944 U
68	0603627A	Smoke, Obscurant and Target Defeating Sys-Adv Dev	4	14,837	6,039			2,821 U
69	0603639A	Armament Enhancement Initiative	4					U
70	0603640A	Artillery Propellant Development	4	16,087	30,533			8,137 U
71	0603645A	Armored System Modernization - Adv Dev	4	313,360	147,876			175,476 U
72	0603647A	TRACTOR DIRT	4		265			416 U
73	0603649A	Engineer Mobility Equipment Advanced Development	4	14,463	29,433			11,339 U
74	0603653A	Advanced Tank Armament System (ATAS)	4					10,075 U

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Thousands of Dollars

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75	0603713A Army Data Distribution System	4	12,667	19,647	5,587 U
76	0603730A Tactical Surveillance System - Adv Dev	4	12,300	15,371	11,870 U
77	0603745A Tactical Electronic Support Systems - Adv Dev	4	2,931	4,363	1,718 U
78	0603746A Single Channel Ground and Airborne Radio System (SINGARS) Adv Dev	4	4,918	2,500	U
79	0603747A Soldier Support and Survivability	4	15,982	13,176	11,795 U
80	0603760A Distributive Interactive Simulation - Adv Dev	4			11,787 U
81	0603766A Tactical Electronic Surveillance System - Adv Dev	4	13,989	15,295	15,008 U
82	0603774A Night Vision Systems Advanced Development	4	7,421	4,768	2,715 U
83	0603801A Aviation - Adv Dev	4	16,264	15,716	9,367 U
84	0603802A Weapons and Munitions - Adv Dev	4		763	663 U
85	0603804A Logistics and Engineer Equipment - Adv Dev	4	12,817	15,926	5,581 U
86	0603805A Combat Service Support Computer System Evaluation and Analysis	4	20,041	24,118	18,876 U
87	0603806A NBC Defense System-Adv Dev	4	28,425	40,903	13,778 U
88	0603807A Medical Systems - Adv Dev	4	25,296	21,628	17,495 U
89	0603811A Meteorological Data Systems	4	4,045		U
90	0603831A Classified Program	4			U
91	0102830A Classified Program	4			U
	Demonstration and Validation		646,668	544,104	408,978
92	0604201A Aircraft Avionics	5		16,461	14,433 U

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Department of the Army
FY 1995 R D T & E Program

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Date: FEB 1994

Thousands of Dollars

Line No	Program Element Number	Item	Act	FY 1993	FY 1994	FY 1995 C
93	0604220A	Armed, Deployable OH-58D	5	9,988		U
94	0604223A	Comanche	5	394,233	366,728	525,182 U
95	0604270A	EW Development	5	94,897	83,825	89,122 U
96	0604315A	Tri-Service Standoff Attack Missile	5		43,182	82,458 U
97	0604321A	All Source Analysis System	5	51,355	4,471	42,891 U
98	0604603A	Nuclear Munitions - Eng Dev	5	1,237		U
99	0604604A	Medium Tactical Vehicles	5	3,519	6,548	6,541 U
100	0604609A	Smoke, Obscure and Target Defeating Sys-Eng Dev	5	14,072	17,096	3,754 U
101	0604611A	JAVELIN	5	96,028	47,437	31,337 U
102	0604619A	Landmine Warfare	5	22,812	21,186	33,843 U
103	0604622A	Heavy Tactical Vehicles	5	1,206	2,475	U
104	0604630A	Advanced Tank Canon	5	24,821		U
105	0604633A	Air Traffic Control	5	1,753	5,600	7,873 U
106	0604640A	Advanced Command and Control Vehicle (AC2V)	5		10,654	32,159 U
107	0604642A	Light Tactical Wheeled Vehicles	5			3,479 U
108	0604645A	Armored Systems Modernization (ASM)-Eng. Dev.	5	71,847	89,504	51,057 U
109	0604649A	Engineer Mobility Equipment Development	5	2,111	16,404	16,865 U
110	0604710A	Night Vision Systems - Eng Dev	5	20,296	41,361	43,379 U
111	0604713A	Combat Feeding, Clothing, and Equipment	5	23,721	28,389	25,058 U
112	0604715A	Non-System Training Devices - Eng Dev	5	39,678	57,188	48,329 U

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Department of the Army
 FY 1995 R D T & E Program

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Appropriation: 2040 A Research Development Test & Eval Army Date: FEB 1994

Thousands of Dollars

Program Line Element No	Item	Act	FY 1993	FY 1994	FY 1995 C
113	0604716A Terrain Information - Eng Dev	5	13,478	9,523	10,547 U
114	0604726A Integrated Meteorological Support System	5	4,303	949	U
115	0604740A Tactical Surveillance System - Eng Dev	5	18,897	38,734	2,121 U
116	0604741A Air Defense Command, Control and Intelligence - Eng Dev	5	38,258	15,410	26,494 U
117	0604746A Automatic Test Equipment Development	5	16,481	23,453	7,201 U
118	0604760A Distributive Interactive Simulation - Eng	5			8,041 U
119	0604766A Tactical Electronic Surveillance System - Eng Dev	5	32,194	52,279	28,475 U
120	0604767A TRACTOR JEWEL	5	90,749		U
121	0604768A TRACTOR BAT	5	114,548	119,727	109,011 U
122	0604770A Joint Surveillance/Target Attack Radar System	5	62,471	25,955	40,186 U
123	0604778A Positioning Systems Development	5	5,313	4,888	3,846 U
124	0604780A Combined Arms Tactical Trainer (CATT)	5		52,921	52,160 U
125	0604801A Aviation - Eng Dev	5	12,928	8,569	4,672 U
126	0604802A Weapons and Munitions - Eng Dev	5	5,272	20,346	9,130 U
127	0604804A Logistics and Engineer Equipment - Eng Dev	5	18,692	25,519	21,171 U
128	0604805A Command, Control, Communications Systems - Eng De	5	7,741	8,906	11,386 U
129	0604806A NBC Defense System-Eng Dev	5	38,295	42,839	13,474 U
130	0604807A Medical Materiel/Medical Biological Defense Equipment - Eng Dev	5	14,059	19,569	12,799 U
131	0604808A Landmine Warfare/Barrier - Eng Dev	5	3,824	2,957	7,794 U
132	0604814A Sense and Destroy Armament Missile - Eng Dev	5	97,755	28,500	72,071 U

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Program Line Element No Number	Item	Act	Thousands of Dollars		
			FY 1993	FY 1994	FY 1995 C
133	0604816A LONGROW - Eng Dev	5	290,859	277,754	191,303 U
134	0604817A Non-Cooperative Target Recognition - Eng Dev	5	23,518	34,150	13,666 U
135	0604818A Army Tactical Command & Control Systems (ATCCS) Eng Dev	5	19,450	21,992	19,296 U
136	0604820A Radar Development	5	17,613	17,934	10,999 U
	Engineering and Manufacturing Development		1,820,272	1,711,383	1,733,643
137	0604255A Threat Simulator Development	6	22,707	18,210	20,270 U
138	0604258A Target Systems Development	6	9,841	18,930	14,092 U
139	0604759A Major T&E Investment	6	24,686	28,856	55,536 U
140	0605103A Rand Arroyo Center	6	19,111	15,492	15,838 U
141	0605104A Los Alamos Meson Physics Facility	6		15,000	U
142	0605301A Army Kwajalein Atoll	6	181,458	169,872	167,697 U
143	0605502A Small Business Innovative Research	6	76,974		U
144	0605601A Army Test Ranges and Facilities	6	157,847	145,232	154,420 U
145	0605602A Army Technical Test Instrumentation and Targets	6	65,254	25,508	41,895 U
146	0605604A Survivability/Lethality Analysis	6	37,842	32,995	37,757 U
147	0605605A DOD High Energy Laser Test Facility	6	26,346	24,808	U
148	0605702A Meteorological Support to RDT&E Activities	6	18,060	17,947	12,434 U
149	0605706A Materiel Systems Analysis	6	22,080	19,475	19,011 U
150	0605709A Exploitation of Foreign Items	6	18,535	18,774	12,027 U

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Department of the Army
 FY 1995 R D T & E Program

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Thousands of Dollars

Line Element No	Program Element Number	Item	Act	FY 1993	FY 1994	FY 1995 C	
151	0605710A	JTCB POC, Test/Assess, Smoke Assess, NBC Serv	6	9,711	7,395	4,779	U
152	0605712A	Support of Operational Testing	6	61,435	52,164	31,917	U
153	0605801A	Programwide Activities	6	92,124	92,830	103,262	U
154	0605802A	International Cooperative Research and Developmen	6	1,815	1,861	1,638	U
155	0605803A	Technical Information Activities	6	22,977	11,944	13,304	U
156	0605805A	Munitions Standardization, Effectiveness and Safety	6	15,836	23,975	7,038	U
157	0605810A	RDTE Support for Nondevelopmental Items	6	6,132	5,874	3,524	U
158	0605856A	Environmental Compliance	6	36,044	46,708	49,907	U
159	0605872A	Productivity Investments	6	10,573			U
160	0605876A	Minor Construction (RPM) - RDT&E	6	7,151	1,871	5,745	U
161	0605878A	Maintenance and Repair (RPM) - RDT&E	6	76,580	61,374	91,970	U
162	0605889A	RDTE Support to CINC Counternarcotics Activities	6	500			U
163	0605896A	Base Operations - RDT&E	6	312,601	269,161	297,083	U
164	0605898A	Management Headquarters (Research and Development	6	20,838	23,941	11,679	U
165	0909999A	Financing for Cancelled Account Adjustments	6	9,584			U
		RDTE Management Support		1,364,642	1,150,197	1,172,823	
166	0603778A	MLRS Product Improvement Program	7	23,611	40,915	55,699	U
167	0203726A	Adv Field Artillery Tactical Data System	7	40,285	45,860	48,725	U
168	0203735A	Combat Vehicle Improvement Programs	7	38,571	114,946	111,279	U

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Line Element No	Program Item	Act	FY 1993	FY 1994	FY 1995 C	Thousands of Dollars
169	0203740A Maneuver Control System	7	26,890	29,093	37,936	U
170	0203744A Aircraft Modifications/Product Improvement Programs	7	6,405	13,710	9,564	U
171	0203752A Aircraft Engine Component Improvement Program	7	6,303	6,559	3,035	U
172	0203758A Digitization	7		20,000	75,857	U
173	0203801A Missile/Air Defense Product Improvement Program	7	65,374	65,230	24,610	U
174	0203802A Other Missile Product Improvement Programs	7	6,469	68,438	74,380	U
175	0203806A TRACTOR RIG	7	1,663	8,314	2,686	U
176	0203808A TRACTOR CARD	7	6,612	11,115	14,554	U
177	0208010A Joint Tactical Communications Program (TRI-TAC)	7	7,160	16,446	19,542	U
178	0208051A Joint Biological Defense Program	7			52,895	U
179	0301359A Special Army Program	7				U
180	0303140A Information Systems Security Program	7	6,103	7,091	7,689	U
181	0303142A SATCOM Ground Environment	7	112,094	136,077	95,191	U
182	0303152A World-Wide Military Command and Control Systems, Information System	7	10,125	8,647		U
183	0305127A Foreign Counterintelligence Activities	7				U
184	0305150A Airborne Reconnaissance Low	7		7,760	11,429	U
185	0305889A Counterdrug Intelligence Support	7	9,262			U
186	0708045A End Item Industrial Preparedness Activities	7	32,881	43,200		U
	Operational Systems Development		410,699	652,054	651,937	
	Total Research Development Test & Eval Army		6,057,072	5,421,346	5,260,082	

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Department of the Navy
 FY 1995 R D T & E Program

Exhibit R-1

Summary

Date: FEB 1994

Thousands of Dollars

	FY 1993	FY 1994	FY 1995
Summary Recap of Budget Activities			
Basic Research	425,581	412,720	435,083
Exploratory Development	578,046	462,688	517,257
Advanced Development	439,683	416,989	420,538
Demonstration and Validation	1,938,278	1,722,042	1,569,252
Engineering and Manufacturing Development	2,214,755	1,712,802	2,335,460
RDT&E Management Support	785,111	756,200	691,150
Operational Systems Development	2,485,987	2,817,845	2,965,978
Total Research Development Test & Eval Navy	8,867,441	8,301,286	8,934,718

Summary Recap of FYDP Programs

Strategic Forces	210,659	114,006	159,063
General Purpose Forces	1,556,858	2,047,120	2,157,941
Intelligence and Communications	618,304	516,090	628,810
Research and Development (FYDP Program 6)	6,381,454	5,483,441	5,968,740
Central Supply and Maintenance	99,485	140,629	20,164
Administration and Assoc Activities	681		
Total Research Development Test & Eval Navy	8,867,441	8,301,286	8,934,718

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Department of the Navy
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 1319 N Research Development Test & Eval Navy Date: FEB 1994

Line Element No	Program Item	Act	FY 1993	FY 1994	FY 1995 C
Thousands of Dollars					
1	0601152N In-House Independent Laboratory Research	1	16,746	16,971	17,112 U
2	0601153N Defense Research Sciences	1	408,835	395,749	407,971 U
3	0601572N Navy Reinvestment Program	1			10,000 U
Basic Research					
			425,581	412,720	435,083
4	0602111N Surface/Aerospace Surveillance and Weapons Technology	2	68,367	67,822	75,088 U
5	0602121N Surface Ship Technology	2	45,805	19,103	19,884 U
6	0602122N Aircraft Technology	2	26,648	21,014	24,691 U
7	0602131M Marine Corps Landing Force Technology	2	21,567	16,847	17,783 U
8	0602232N Command, Control, and Communications Technology	2	18,775	17,905	21,099 U
9	0602233N Readiness, Training, and Environmental Quality Technology	2	46,551	41,338	42,753 U
10	0602234N Materials, Electronics and Computer Technology	2	99,030	72,040	80,867 U
11	0602270N Electronic Warfare Technology	2	17,662	14,729	18,095 U
12	0602314N Undersea Surveillance Weapon Technology	2	129,664	106,854	92,765 U
13	0602315N Mine Countermeasures, Mining and Special Warfare	2	42,047	23,675	34,710 U
14	0602323N Submarine Technology	2	16,544	14,383	19,557 U
15	0602435N Oceanographic and Atmospheric Technology	2	45,386	46,978	44,965 U
16	0602572N Navy Reinvestment Program	2			25,000 U
Exploratory Development					
			578,046	462,688	517,257
17	0603217N Air Systems and Weapons Advanced Technology	3	28,748	36,546	30,293 U

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Department of the Navy
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 1319 N Research Development Test & Eval Navy

Date: FEB 1994

Thousands of Dollars

Line Element No	Program Item	Act	FY 1993	FY 1994	FY 1995 C
18	0603238N Precision Strike and Air Defense	3	9,351	29,607	32,961 U
19	0603270N Advanced Electronic Warfare Technology	3	24,842	12,829	14,799 U
20	0603508N Ship Propulsion System	3	3,897	3,394	3,152 U
21	0603555N Sea Control and Littoral Warfare Technology Demonstration	3	61,153	60,609	82,134 U
22	0603572N Navy Reinvestment Program	3			15,000 U
23	0603640M Marine Corps Advanced Technology Demonstration (ATD)	3	23,464	24,909	25,961 U
24	0603706N Medical Development	3	45,652	54,771	17,820 U
25	0603707N Manpower, Personnel and Training Adv Tech Dev	3	17,409	17,250	19,120 U
26	0603712N Environmental Quality and Logistics Advanced Technology	3	29,812	15,532	21,024 U
27	0603747N Undersea Warfare Advanced Technology	3	74,848	62,220	47,330 U
28	0603782N Shallow Water MCM Demos	3	9,792	10,984	4,525 U
29	0603792N Advanced Technology Transition	3	86,494	85,627	79,863 U
30	0603794N C3 Advanced Technology	3	24,221	2,711	26,556 U
	Advanced Development		439,683	416,989	420,538
31	0603207N Air/Ocean Tactical Applications	4	16,309	16,043	16,936 U
32	0603208N Training System Aircraft	4	49,165	32,145	4,117 U
33	0603216N Aviation Survivability	4	32,055	21,029	9,992 U
34	0603254N ASW Systems Development	4	39,835	34,347	31,513 U
35	0603261N Tactical Airborne Reconnaissance	4	16,311	32,540	59,372 U

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Department of the Navy
 FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 1319 N Research Development Test & Eval Navy Date: FEB 1994

Thousands of Dollars

Program Line Element No Number	Item	ACT	FY 1993	FY 1994	FY 1995 C
36	0603382N Advanced Combat Systems Technology	4			3,587 U
37	0603451N Tactical Space Operations	4			2,220 U
38	0603502N Surface and Shallow Water Mine Countermeasures	4	41,801	44,741	51,879 U
39	0603504N Advanced Submarine Combat Systems Development	4	32,142	22,608	20,564 U
40	0603506N Surface Ship Torpedo Defense	4	27,089	33,910	30,247 U
41	0603512N Carrier Systems Development	4	20,667	11,061	15,878 U
42	0603513N Shipboard System Component Development	4	31,514	27,506	26,248 U
43	0603514N Ship Combat Survivability	4	22,599	17,121	14,588 U
44	0603525N PILOT FISH	4	34,947	26,290	35,262 U
45	0603528N Non-Acoustic Anti-Submarine Warfare (ASW)	4			4,756 U
46	0603536N RETRACT JUNIPER	4	60,861	32,195	20,645 U
47	0603542N Radiological Control	4	3,599	3,254	3,492 U
48	0603553N Surface ASW	4	46,551		6,659 U
49	0603561N Advanced Submarine System Development	4	128,092	140,424	86,005 U
50	0603562N Submarine Tactical Warfare Systems	4	10,959	6,314	8,023 U
51	0603563N Ship Concept Advanced Design	4	8,122	13,853	29,302 U
52	0603564N Ship Preliminary Design & Feasibility Studies	4	12,941	58,047	12,626 U
53	0603570N Advanced Nuclear Power Systems	4	92,126	136,537	141,586 U
54	0603573N Advanced Surface Machinery Systems	4	73,598	81,954	72,355 U
55	0603576N CHALK EAGLE	4	82,704	69,465	59,840 U

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Department of the Navy
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 1319 N Research Development Test & Eval Navy

Date: FEB 1994

Line Element No	Program Element No	Item	Act	FY 1993	FY 1994	FY 1995 C
56	0603582N	Combat System Integration	4	9,625	6,237	7,911 U
57	0603591N	Joint Advanced Systems	4	145,576		U
58	0603601N	Mine Development	4	1		U
59	0603609N	Conventional Munitions	4	61,389	38,801	41,358 U
60	0603610N	Advanced Warhead Development (MK-50)	4	8,825	15,821	U
61	0603611M	Marine Corps Assault Vehicles	4	52,771	19,822	26,399 U
62	0603612M	Marine Corps Mine/Countermeasures Systems - Adv Dev	4	7,548	2,561	6,600 U
63	0603634N	Electromagnetic Effects Protection Development	4	22,308	21,238	11,416 U
64	0603635W	Marine Corps Ground Combat/Support System	4	9,108	8,981	8,923 U
65	0603654N	Joint Service Explosive Ordnance Development	4	3,315		U
66	0603708N	ASW Signal Processing	4	4,505	3,387	3,539 U
67	0603709N	Advanced Marine Biological System	4	5,388	4,414	4,678 U
68	0603711N	Fleet Tactical Development	4	15,888	11,611	14,198 U
69	0603713N	Ocean Engineering Technology Development	4	35,430	52,853	51,101 U
70	0603721N	Environmental Protection	4	5,123	4,281	4,468 U
71	0603724N	Navy Energy Program	4	1,533	1,368	2,500 U
72	0603725N	Facilities Improvement	4	62,715	71,162	68,782 U
73	0603734N	CHALK CORAL	4	1,602		U
74	0603735N	WWMCCS Architecture Support	4	24,347		U
75	0603737N	LINK HAZEL	4			U

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Department of the Navy
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 1319 N Research Development Test & Eval Navy

Date: FEB 1994

Program Line Element No Number	Item	Act	FY 1993	FY 1994	FY 1995 C
-----S					
Thousands of Dollars					
-----S					
76	0603741N Satellite Laser Communications (H)	4	15,000		U
77	0603746N RETRACT MAPLE	4	143,079	105,145	102,674 U
78	0603748N LINK PLUMERIA	4	15,521	39,613	29,812 U
79	0603750N CHALK WEED	4	2,601		U
80	0603751N RETRACT ELM	4	105,779	57,149	39,472 U
81	0603752N CHALK POINSETTIA	4	5,619		U
82	0603755N Ship Self Defense	4	216,360	285,799	192,269 U
83	0603763N Warfare Systems Architecture and Engineering	4	7,908	3,297	7,204 U
84	0603785N Combat Systems Oceanographic Performance Assessment	4	25,701	19,594	20,317 U
85	0603787N Special Processes	4	32,237	29,114	33,053 U
86	0603795N Gun Weapon System Technology	4	7,489	23,700	24,849 U
87	0603800N Joint Strike Advanced Technology Program	4		29,663	100,037 U
Demonstration and Validation			1,938,278	1,722,042	1,569,252
88	0604212N ASW and Other Helo Development	5	94,192	80,716	86,547 U
89	0604214N AV-8B Aircraft - Eng Dev	5	11,735	18,179	10,203 U
90	0604215N Standards Development	5	11,554	13,366	15,987 U
91	0604217N S-3 Weapon System Improvement	5	1,094	4,087	14,115 U
92	0604218N Air/Ocean Equipment Engineering	5	6,088	4,917	5,797 U
93	0604221N P-3 Modernization Program	5	13,025	4,952	5,392 U

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Department of the Navy
 FY 1995 R D T & E Program

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Appropriation: 1319 N Research Development Test & Eval Navy

Date: FEB 1994

Thousands of Dollars

Program Line Element No Number	Item	Act	FY 1993	FY 1994	FY 1995 C
94	0604231N Tactical Command System	5	25,558	29,829	35,796 U
95	0604233N AFX	5	88,984		U
96	0604261N Acoustic Search Sensors	5	31,074	30,839	19,016 U
97	0604262N V-22A	5	714,556	9,793	496,930 U
98	0604264N Air Crew Systems Development	5	20,689	14,512	12,157 U
99	0604270N EW Development	5	136,971	96,948	79,980 U
100	0604301N MK 92 Fire Control System Upgrade	5	1,831	1,051	1,976 U
101	0604307N AEGIS Combat System Engineering	5	110,564	102,632	94,207 U
102	0604312N Tri-Service Standoff Attack Missile	5		74,584	66,662 U
103	0604366N Standard Missile Improvements	5	50,115	62,272	11,811 U
104	0604372N New Threat Upgrade	5	4,342	4,610	1,701 U
105	0604373N Airborne MCM	5	30,380	32,369	20,421 U
106	0604503N SSN-688 and Trident Modernization	5	70,307	53,610	41,936 U
107	0604504N Air Control	5	12,054	9,809	8,133 U
108	0604507N Enhanced Modular Signal Processor	5	14,528	13,173	11,970 U
109	0604512N Shipboard Aviation Systems	5		1,388	1,543 U
110	0604516N Ship Survivability	5	10,896	10,177	8,536 U
111	0604518N Combat Information Center Conversion	5	17,742	11,359	13,658 U
112	0604524N Submarine Combat System	5	52,474	84,547	89,726 U
113	0604558N New Design SSN	5		236,458	266,155 U

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Department of the Navy
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Exhibit R-1

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Date: FEB 1994

Program Line Element No	Item	Act	FY 1993	FY 1994	FY 1995 C
Thousands of Dollars					
114	0604561N SSN-21 Developments	5	91,100	73,742	68,530 U
115	0604562N Submarine Tactical Warfare System	5	61,738	33,681	25,261 U
116	0604567N Ship Contract Design/ Live Fire T&E	5	36,081	41,527	160,092 U
117	0604574N Navy Tactical Computer Resources	5	32,095	17,167	15,774 U
118	0604601N Mine Development	5	8,043	5,581	3,223 U
119	0604602N Naval Gunnery Improvements	5	5,015		U
120	0604603N Unguided Conventional Air-Launched Weapons	5	11,663	29,514	77,102 U
121	0604610N Lightweight Torpedo Development	5		8,899	10,284 U
122	0604612M Marine Corps Mine Countermeasures Systems - Eng Dev	5	3,499	2,204	440 U
123	0604618N Joint Direct Attack Munition	5	23,197	9,893	25,173 U
124	0604654N Joint Service Explosive Ordnance Development	5	5,737	6,196	6,273 U
125	0604656M Marine Corps Assault Vehicles - Eng Dev	5	13,996		U
126	0604703N Personnel, Training, Simulation, and Human Factor	5	1,087	1,057	1,136 U
127	0604707N Space and Electronic Warfare (SEW) Architecture/ Engineering Support	5	3,625	2,000	6,157 U
128	0604710N Navy Energy Program	5	3,857	3,101	3,165 U
129	0604715N Surface Warfare Training Devices	5	4,733		U
130	0604719M Marine Corps Command/Control/Communications Systems	5	11,586	24,963	11,371 U
131	0604721N Battle Group Passive Horizon Extension System	5	10,710	24,035	19,258 U
132	0604727N Joint Standoff Weapon Systems	5	63,344	81,855	111,127 U
133	0604755N Ship Self Defense	5	60,649	136,071	181,501 U

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Department of the Navy
 FY 1995 R D T & E Program Exhibit R-1

Appropriation: 1319 N Research Development Test & Eval Navy Date: FEB 1994

Line Element No	Program Number	Item	Act	FY 1993	FY 1994	FY 1995 C
			Thousands of Dollars			
134	0604761N	Intelligence Engineering	5	3,252	341	4,033 U
135	0604771N	Medical Developments	5	3,915	3,985	1,686 U
136	0604777N	Navigation/ID System	5	66,737	77,047	69,213 U
137	0604784N	Distributed Surveillance System	5	158,343	123,766	114,306 U
Engineering and Manufacturing Development				2,214,755	1,712,802	2,335,460
138	0604256N	Threat Simulator Development	6	29,031	29,435	28,003 U
139	0604258N	Target Systems Development	6	37,615	29,560	28,042 U
140	0604759N	Major T&E Investment	6	36,281	51,862	51,966 U
141	0605152N	Studies and Analysis Support - Navy	6	3,387	3,651	6,058 U
142	0605154N	Center for Naval Analyses	6	43,171	43,260	45,394 U
143	0605155N	Fleet Tactical Development	6	3,337	4,346	4,570 U
144	0605502N	Small Business Innovative Research	6	81,244	78,045	U
145	0605804N	Technical Information Services	6	14,260	14,113	1,776 U
146	0605853N	Management, Technical & International Support	6	10,263	7,787	10,266 U
147	0605856N	Strategic Technical Support	6	4,132	3,602	2,545 U
148	0605861N	RDT&E Science and Technology Management	6	62,809	60,748	62,646 U
149	0605862N	RDT&E Instrumentation Modernization	6	20,194	39,342	8,757 U
150	0605863N	RDT&E Ship and Aircraft Support	6	95,326	74,724	81,362 U
151	0605864N	Test and Evaluation Support	6	308,556	279,715	293,609 U

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Department of the Navy
FY 1995 RDT & E Program

Exhibit R-1

Appropriation: 1319 N Research Development Test & Eval Navy

Date: FEB 1994

Line No	Program Element Number	Item	Act	Thousands of Dollars		
				FY 1993	FY 1994	FY 1995 C
152	0605865N	Operational Test and Evaluation Capability	8,732	8,190	8,637	U
153	0605866N	Navy Space and Electronic Warfare (SEW) Support	5,994	4,006	3,519	U
154	0605867N	SEW Surveillance/Reconnaissance Support	10,508	11,528	14,565	U
155	0605871M	Marine Corps Tactical Exploitation of National Capabilities	1,179	4,241	1,019	U
156	0605872N	Productivity Investments	396			U
157	0605873M	Marine Corps Program Wide Support	8,696	8,045	6,316	U
158	0605896N	Base Operations - RDT&E			32,100	U
		RDT&E Management Support	785,111	756,200	691,150	
159	0101221N	Strategic Sub & Weapons System Support	74,866	30,522	52,361	U
160	0101224N	SSBN Security Technology Program	76,549	35,888	29,315	U
161	0101226N	Submarine Acoustic Warfare Development	38,828	16,529	537	U
162	0101402N	Navy Strategic Communications	19,553	30,368	75,992	U
163	0102427N	Naval Space Surveillance	863	699	858	U
164	0204134N	A-6 Squadrons	7,599			U
165	0204136N	F/A-18 Squadrons	895,441	1,454,087	1,411,875	U
166	0204152N	E-2 Squadrons	6,352	18,001	58,760	U
167	0204163N	Fleet Telecommunications (Tactical)	41,836	33,292	37,942	U
168	0204229N	Tomahawk and Tomahawk Mission Planning Center (TMPC)	30,604	46,763	85,773	U
169	0204311N	Integrated Surveillance System	89,515	73,253	28,805	U

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Department of the Navy
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 1319 N Research Development Test & Eval Navy

Date: FEB 1994

Line Element No	Program Element Number	Item	Act	FY 1993	FY 1994	FY 1995 C
170	0204413N	Amphibious Tactical Support Units	7	3,707	2,729	4,574 U
171	0204571N	Consolidated Training Systems Development	7	33,304	38,114	46,779 U
172	0205604N	Tactical Data Links	7	59,507	38,995	32,499 U
173	0205620N	Surface ASW Combat System Integration	7	16,914	22,872	16,649 U
174	0205632N	MK-48 ADCAP	7	28,042	26,669	27,278 U
175	0205633N	Aviation Improvements	7	78,648	73,202	64,520 U
176	0205658N	Navy Science Assistance Program	7	7,464	6,593	7,097 U
177	0205667N	F-14 Upgrade	7	120,060	70,904	171,689 U
178	0205675N	Operational Nuclear Power Systems	7	59,274	57,736	58,851 U
179	0206313M	Marine Corps Communications Systems	7	3,630	8,540	7,408 U
180	0206623M	Marine Corps Ground Combat/Supporting Arms System	7	32,278	18,298	13,051 U
181	0206624M	Marine Corps Combat Services Support	7	1,012	248	6,173 U
182	0206625M	Marine Corps Intelligence/Electronics Warfare Systems	7	24,466	21,179	8,488 U
183	0206626M	Marine Corps Command/Control/Communications Systems	7	14,556	35,565	19,441 U
184	0207161N	Tactical AIM Missiles	7			22,376 U
185	0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	2,649		27,913 U
186	0301327N	Technical Reconnaissance and Surveillance	7			U
187	0303109N	Satellite Communications	7	54,343	53,914	47,115 U
188	0303140N	Information Systems Security Program	7			U
189	0303152N	World-Wide Military Command and Control Systems. Information System	7	3,687		U

Thousands of Dollars

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Department of the Navy
 FY 1995 R D T & E Program

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Appropriation: 1319 N Research Development Test & Eval Navy

Date: FEB 1994

Line Element No	Program Element Number	Item	Act	Thousands of Dollars			U C
				FY 1993	FY 1994	FY 1995	
190	0304111N	Special Activities	7				U
191	0305160N	Defense Meteorological Satellite Program (DMSP)	7	16,347	11,371	14,639	U
192	0305889N	Counterdrug Intelligence Support	7	2,500			U
193	0708011N	Industrial Preparedness	7	99,485	140,629	20,164	U
194	0909999N	Financing for Cancelled Account Adjustments	7	681			U
Operational Systems Development				2,485,987	2,817,845	2,965,978	
Total Research Development Test & Eval Navy				8,867,441	8,301,286	8,934,718	

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Department of the Air Force
FY 1995 R D T & E Program

Exhibit R-1

Summary

Date: FEB 1994

Thousands of Dollars

	FY 1993	FY 1994	FY 1995
Summary Recap of Budget Activities			
Basic Research	234,826	239,956	235,805
Exploratory Development	616,959	610,854	686,016
Advanced Development	693,759	480,116	485,281
Demonstration and Validation	387,577	235,014	433,984
Engineering and Manufacturing Development	4,365,225	3,951,855	4,544,775
RDT&E Management Support	838,913	817,811	814,707
Operational Systems Development	5,729,665	5,923,056	5,148,794
Total Research Development Test & Eval AF	12,866,924	12,258,662	12,349,362

Summary Recap of FYDP Programs			
Strategic Forces	148,107	174,848	160,704
General Purpose Forces	899,494	1,247,098	1,304,890
Intelligence and Communications	4,528,760	4,344,164	3,516,660
Airlift/Sealift	12,198	22,459	5,160
Research and Development (FYDP Program 6)	7,137,259	6,335,606	7,320,427
Central Supply and Maintenance	131,794	124,888	30,904
Training Medical and Other	100	1,915	1,526
Administration and Assoc Activities	5,690	5,775	5,655
Support of Other Nations	3,522	1,909	3,436
Total Research Development Test & Eval AF	12,866,924	12,258,662	12,349,362

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Department of the Air Force
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test & Eval AF

Date: FEB 1994

Thousands of Dollars

Line Element No	Program	Item	Act	FY 1993	FY 1994	FY 1995 c
1	0601101F	In-House Laboratory Independent Research	1	1,980	5,126	U
2	0601102F	Defense Research Sciences	1	232,846	234,830	235,805 U
		Basic Research		234,826	239,956	235,805
3	0602101F	Geophysics	2	36,981	34,089	U
4	0602102F	Materials	2	70,767	70,908	70,049 U
5	0602201F	Aerospace Flight Dynamics	2	67,387	59,405	64,046 U
6	0602202F	Human Systems Technology	2	58,769	48,302	52,518 U
7	0602203F	Aerospace Propulsion	2	68,660	75,085	77,506 U
8	0602204F	Aerospace Avionics	2	70,935	66,091	74,673 U
9	0602205F	Personnel, Training and Simulation	2	31,165	27,425	29,848 U
10	0602206F	Civil Engineering and Environmental Quality	2	11,641	6,153	7,045 U
11	0602269F	Hypersonic Flight Technology	2			45,000 U
12	0602302F	Rocket Propulsion and Astronautics Technology	2	36,012	50,852	U
13	0602601F	Advanced Weapons	2	47,617	47,254	125,202 U
14	0602602F	Conventional Munitions	2	36,079	34,858	44,685 U
15	0602702F	Command Control and Communications	2	80,946	90,432	95,444 U
		Exploratory Development		616,959	610,854	686,016
16	0603106F	Logistics Systems Technology	3	15,614	14,238	18,200 U
17	0603112F	Advanced Materials for Weapon Systems	3	16,679	22,698	19,900 U

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Department of the Air Force
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test & Eval AF

Date: FEB 1994

Line No	Program Element No	Item	Act	Thousands of Dollars		
				FY 1993	FY 1994	FY 1995 C
18	0603202F	Aerospace Propulsion Subsystems Integration	3	26,279	27,848	29,941 U
19	0603203F	Advanced Avionics for Aerospace Vehicles	3	40,146	25,531	34,500 U
20	0603205F	Aerospace Vehicle Technology	3	15,273	13,041	14,339 U
21	0603211F	Aerospace Structures	3	15,907	12,571	12,300 U
22	0603216F	Aerospace Propulsion and Power Technology	3	37,148	36,410	40,662 U
23	0603227F	Personnel, Training and Simulation Technology	3	8,968	8,769	9,241 U
24	0603231F	Crew Systems and Personnel Protection Technology	3	16,899	12,888	16,600 U
25	0603238F	Global Surveillance	3	4,676		14,500 U
26	0603245F	Advanced Fighter Technology Integration	3	17,650	1,296	18,100 U
27	0603250F	Lincoln Laboratory	3	24,958	17,437	15,000 U
28	0603253F	Advanced Avionics Integration	3	22,077	3,474	24,500 U
29	0603269F	National Aero Space Plane Technology Program	3	140,244	39,777	U
30	0603270F	EW Technology	3	30,658	23,451	27,700 U
31	0603302F	Space and Missile Rocket Propulsion	3	10,885	11,727	11,800 U
32	0603311F	Ballistic Missile Technology	3	59,211	20,784	10,000 U
33	0603319F	Airborne Laser Technology	3		1,934	U
34	0603401F	Advanced Spacecraft Technology	3	26,121	20,459	24,200 U
35	0603410F	Space Systems Environmental Interactions Technology	3	3,912	3,620	4,200 U
36	0603428F	Space Subsystems Technology	3	4,117	7,955	U
37	0603601F	Conventional Weapons Technology	3	24,257	17,367	35,100 U

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Date: FEB 1994

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Program Line Element No Number	Item	Act	Thousands of Dollars		
			FY 1993	FY 1994	FY 1995 C
38	0603605F Advanced Radiation Technology	3	81,251	93,690	59,500 U
39	0603707F Weather Systems Technology	3	5,002	4,427	5,100 U
40	0603723F Civil and Environmental Engineering Technology	3	11,187	13,360	9,798 U
41	0603726F C3I Subsystem Integration	3	9,363	8,617	11,050 U
42	0603728F Advanced Computing Technology	3	16,054	8,074	9,125 U
43	0603789F C3 Advanced Development	3	9,223	8,673	9,925 U
	Advanced Development		693,759	480,116	485,281
44	0603107F Technical Evaluation System	4			U
45	0603110F Special Evaluation Program	4			U
46	0603111F Meridian	4			U
47	0603260F Intelligence Advanced Development	4	7,170	6,022	5,134 U
48	0603307F Air Base Operability Advanced Development	4	3,520	3,701	2,312 U
49	0603308F Strategic Missile Modernization	4			36,018 U
50	0603319F Airborne Laser Technology	4			20,000 U
51	0603402F Space Test Program	4	53,845	43,274	62,084 U
52	0603430F Advanced MILSATCOM	4			22,095 U
53	0603434F Defense Meteorological Satellite Program Block 6	4			7,601 U
54	0603438F Satellite Systems Survivability	4	5,390	4,305	8,531 U
55	0603440F BRILLIANT EYES	4		140,000	U

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Thousands of Dollars

Line Element No	Program Element No	Item	ACT	FY 1993	FY 1994	FY 1995 C
56	0603441F	Advanced Space Based TW/AA (Dem Val)	4		150,000	U
57	0603617F	Command, Control, and Communication Applications	4	6,268	9,269	5,402 U
58	0603714F	DoD Physical Security Equipment - Exterior	4	525	495	U
59	0603742F	Combat Identification Technology	4	18,169	27,948	13,453 U
60	0603800F	Joint Strike Advanced Technology Program	4		101,354	U
61	0603801F	Special Programs	4			U
Demonstration and Validation				387,577	235,014	433,984
62	0604201F	Aircraft Avionics Equipment Development	5	15,094	6,570	4,824 U
63	0604211F	Advanced Aerial Target Development	5	20,559		U
64	0604212F	Aircraft Equipment Development	5	3,804	1,517	U
65	0604218F	Engine Model Derivative Program (EMDP)	5	945	854	761 U
66	0604222F	Nuclear Weapons Support	5	5,296	5,445	5,637 U
67	0604226F	B-1B (H)	5	80,597	49,000	74,119 U
68	0604227F	Training Systems Development	5	27,118	19,815	14,261 U
69	0604231F	C-17 Program	5	168,642	232,497	221,454 U
70	0604233F	Specialized Undergraduate Pilot Training	5	4,392	5,604	41,633 U
71	0604237F	Variable Stability In-Flight Simulator Test Aircraft	5	2,066	5,805	2,027 U
72	0604239F	F-22 EMD	5	1,925,199	2,082,904	2,461,149 U
73	0604240F	B-2 Advanced Technology Bomber	5	1,189,290	785,820	408,543 U

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FY 1995 R D T & E Program

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Thousands of Dollars

Line Element No	Program Item	Act	FY 1993	FY 1994	FY 1995 c
74	0604242F Advanced Interdiction Aft (AX)	5	1,897	35	U
75	0604243F Manpower, Personnel and Training Development	5	3,115	4,811	4,636 U
76	0604249F Night/Precision Attack	5	8,694	10	21,672 U
77	0604268F Aircraft Engine Component Improvement Program	5	93,096	101,673	97,399 U
78	0604270F EW Development	5	145,496	117,442	88,774 U
79	0604312F ICBM Modernization	5	50,309		U
80	0604321F Joint Tactical Fusion Program	5	2,883	2,097	8,666 U
81	0604327F Hardened Target Munitions	5	4,627		U
82	0604408F National Launch System	5	9,435		10,176 U
83	0604479F MILSTAR LDR/MDR Sat Comm	5			607,248 U
84	0604601F Chemical/Biological Defense Equipment	5	14,656	9,775	7,587 U
85	0604602F Armament/Ordnance Development	5	5,839	11,292	10,853 U
86	0604604F Submunitions	5	7,063	3,796	26,680 U
87	0604609F R&M Maturation/Technology Insertion	5	21,692	18,693	8,804 U
88	0604617F Air Base Operability	5	12,900	10,912	9,580 U
89	0604618F Joint Direct Attack Munition	5	22,548	74,665	84,995 U
90	0604703F Aeromedical/Chemical Defense Systems	5	6,559	10,157	8,178 U
91	0604704F Common Support Equipment Development	5	8,871	4,766	1,605 U
92	0604706F Life Support Systems	5	12,044	10,913	5,058 U
93	0604707F Weather Systems - Eng Dev	5	6,149	9,191	U

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Program Line Element No	Item	Act	Thousands of Dollars			
			FY 1993	FY 1994	FY 1995 C	
94	0604708F Civil, Fire, Environmental, Shelter Engineering	5	2,513	4,433	3,214	U
95	0604711F Systems Survivability (Nuclear Effects)	5	6,038	3,623	2,786	U
96	0604727F Joint Standoff Weapons Systems	5	5,463	24,367	48,966	U
97	0604733F Surface Defense Suppression	5	8,472	1,898	951	U
98	0604735F Range Improvement	5	49,088	15,626	18,301	U
99	0604740F Computer Resource Technology Transition (CRTT)	5	20,162	13,831	6,621	U
100	0604747F Electromagnetic Radiation Test Facilities	5	3,699			U
101	0604750F Intelligence Equipment	5	2,853	2,859	2,633	U
102	0604754F Joint Tactical Information Distribution System (JTIDS)	5	15,136	11,359	11,634	U
103	0604755F Improved Capability for Development Test & Evaluation	5	46,894			U
104	0604756F Side Looking Airborne Radar	5	3,899			U
105	0604770F Joint Surveillance/Target Attack Radar System (JSTARS)	5	313,463	283,071	190,408	U
106	0604779F Joint Interoperability of Tactical Command & Control Systems (JINTACCS)	5	6,670	4,729	2,063	U
107	0303606F UHF Satellite Communications	5			20,879	U
	Engineering and Manufacturing Development		4,365,225	3,951,855	4,544,775	
108	0604256F Threat Simulator Development	6		41,631	40,075	U
109	0604258F Target Systems Development	6		10,052	7,576	U
110	0604759F Major T&E Investment	6		50,515	53,544	U
111	0605101F RAND Project Air Force	6	22,705	24,000	28,039	U

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Program Line Element No Number	Item	Act	FY 1993	FY 1994	FY 1995 c

Thousands of Dollars					

112	0605306F Ranch Hand II Epidemiology Study	6	8,925	3,686	3,160 U
113	0605502F Small Business Innovative Research (H)	6	137,523		U
114	0605708F Navigation/Radar/Sled Track Test Support	6	26,074	29,647	26,023 U
115	0605712F Initial Operational Test & Evaluation	6	28,398	27,656	33,504 U
116	0605807F Test and Evaluation Support	6	386,983	385,272	373,376 U
117	0605808F Development Planning	6	9,543	6,674	9,959 U
118	0605856F Environmental Compliance	6	24,113	39,355	42,876 U
119	0605863F RDT&E Aircraft Support	6	38,948	39,436	34,476 U
120	0605876F Minor Construction (RPM) - RDT&E	6	2,899	7,467	3,281 U
121	0605878F Maintenance and Repair (RPM) - RDT&E	6	48,868	41,070	51,904 U
122	0605896F Base Operations - RDT&E	6	103,934	111,350	106,914 U

	RDT&E Management Support		838,913	817,811	814,707
123	0603107F Technical Evaluation System	7			U
124	0603110F Special Evaluation Program	7			U
125	0101113F B-52 Squadrons	7	20,472	6,265	U
126	0101120F Advanced Cruise Missile	7	19,219	25,251	U
127	0101142F KC-135 Squadrons	7	3,499		U
128	0101213F Minuteman Squadrons	7	26,704	130,360	151,675 U
129	0101312F PACCS and WABNCP System EC-135 Class V Mods	7	1,978		U

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Line Element No	Program Element Number	Item	Act	FY 1993	FY 1994	FY 1995 C

Thousands of Dollars						

130	0101313F	Strat War Planning System - USSTRATCOM	7	6,862		U
131	0101815F	Advanced Strategic Programs	7			U
132	0102325F	Joint Surveillance System	7	4,355	3,089	2,770 U
133	0102411F	Surveillance Radar Stations/Sites	7	7,695	7,305	4,191 U
134	0102412F	Distant Early Warning (DEW) Radar Stations	7	2,444	2,578	2,068 U
135	0207129F	F-111 Squadrons	7	26,289	25,536	11,019 U
136	0207130F	F-15A/B/C/D Squadrons	7	23,753		U
137	0207131F	A-10 Squadrons	7	350		U
138	0207133F	F-16 Squadrons	7	109,409	60,929	93,157 U
139	0207134F	F-15E Squadrons	7	49,433	65,829	116,562 U
140	0207136F	Manned Destructive Suppression	7	8,362	4,352	38,422 U
141	0207137F	CONSTANT HELP	7			U
142	0207141F	F-117A Squadrons	7	1,224	6,740	U
143	0207160F	Tri-Service Standoff Attack Missile	7		265,384	81,063 U
144	0207161F	Tactical AIM Missiles	7			26,944 U
145	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	38,856	67,104	70,715 U
146	0207217F	Follow-On Tactical Reconnaissance System	7	58,362	8,582	U
147	0207247F	AF TENCAP	7	4,099	13,442	21,183 U
148	0207248F	Special Evaluation Program	7	855	120,039	118,260 U
149	0207411F	Overseas Air Weapon Control System	7		14,191	U

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 FY 1995 R D T & E Program

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Date: FEB 1994

 Thousands of Dollars

Line Element No	Program Item	Act	FY 1993	FY 1994	FY 1995 c
150	0207412F Tactical Air Control Systems	7	22,634	28,215	7,383 U
151	0207417F Airborne Warning and Control System (AWACS)	7	62,927	84,894	85,643 U
152	0207419F Tactical Airborne Command and Control Systems	7	5,958		2,779 U
153	0207422F Deployable C3 Systems	7			2,610 U
154	0207423F Advanced Communications Systems	7	471	377	459 U
155	0207424F Evaluation and Analysis Program	7	15,389	74,264	73,957 U
156	0207431F Combat Air Intelligence System Activities	7			U
157	0207433F Advanced Program Technology	7	22,454	121,415	165,351 U
158	0207438F Theater Battle Management (TBM) C4I	7		11,929	33,957 U
159	0207579F Advanced Systems Improvements	7	51,975	128,445	119,866 U
160	0207590F Seek Eagle	7	28,976	15,019	15,982 U
161	0207591F Advanced Program Evaluation	7	92,046	89,105	105,077 U
162	0207601F USAF Wargaming and Simulation	7		11,509	19,110 U
163	0208006F Mission Planning Systems	7	14,480	24,006	14,483 U
164	0208010F Joint Tactical Communications Program (TRI-TAC)	7	11,755		U
165	0208021F Electronic Combat Support	7			U
166	0208042F HAVE FLAG	7			U
167	0208060F Theater Missile Defenses	7			79,302 U
168	0301310F Foreign Technology Division	7			U
169	0301313F Defense Dissemination Program	7			U

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Exhibit R-1

Appropriation: 3600 F Research Development Test & Eval AF Date: FEB 1994

Thousands of Dollars

Program Line Element No	Item	Act	FY 1993	FY 1994	FY 1995 C	
170	0301314F IR/EO/DEW Processing and Exploitation	7				U
171	0301315F Missile and Space Technical Collection	7				U
172	0301317F SENIOR YEAR Operations	7				U
173	0301324F FOREST GREEN	7				U
174	0301357F NUDET Detection System	7	2,153			U
175	0303110F Defense Satellite Communications System	7	12,901	20,406	30,876	U
176	0303126F Long-Haul Communications (DCS)	7	3,196			U
177	0303131F Minimum Essential Emergency Communications Network (MEECN)	7	12,645	3,960	40,795	U
178	0303140F Information Systems Security Program	7		16,691	10,293	U
179	0303144F Electromagnetic Compatibility Analysis Center (E-CAC)	7	9,733	9,922	9,287	U
180	0303401F Communications Security (COMSEC)	7				U
181	0303601F Milstar Satellite Communications System	7	1,107,328	918,353	18,249	U
182	0303605F Satellite Communications Terminals	7	4,145	1,391	1,905	U
183	0304111F Special Activities	7				U
184	0305110F Satellite Control Network	7	92,653	96,095	101,146	U
185	0305111F Weather Service	7			20,990	U
186	0305114F Air Traffic Control, Approach, and Landing System (ATCALS)	7	12,030	8,600	7,566	U
187	0305119F Medium Launch Vehicles	7	46,559	71,168	21,042	U
188	0305124F Special Applications Program	7				U
189	0305137F National Aerospace System (NAS) Plan	7	6,434	14,707	30,980	U

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Exhibit R-1

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Date: FEB 1994

Line Element No	Program Element Number	Item	Act	FY 1993	FY 1994	FY 1995 C
Thousands of Dollars						
190	0305138F	Upper Stage Space Vehicles	7		4,118	3,663 U
191	0305142F	Applied Technology and Integration	7			U
192	0305144F	Titan Space Launch Vehicles	7	147,191	270,125	161,096 U
193	0305145F	Arms Control Implementation	7	4,266	7,067	6,456 U
194	0305158F	CONSTANT SOURCE	7	7,062	3,125	3,259 U
195	0305160F	Defense Meteorological Satellite Program (DMSP)	7	21,938	25,709	21,135 U
196	0305164F	NAVSTAR Global Positioning System (User Equipment)	7	20,784	16,073	9,781 U
197	0305155F	NAVSTAR Global Positioning System (Space and Control Segments)	7	56,222	38,808	51,125 U
198	0305172F	Combined Advanced Applications	7			U
199	0305181F	Western Space Launch Facility (WSLF)	7		9,493	U
200	0305182F	Eastern Space Launch Facility (ESLF)	7		50,955	42,710 U
201	0305887F	Electronic Combat Intelligence Support	7	1,790	1,993	1,892 U
202	0305892F	Special Analysis Activities	7			U
203	0305905F	Improved Space Based TW/AA	7	236,557	107,378	U
204	0305906F	NCMC - TW/AA System	7	153,875	132,987	100,520 U
205	0305909F	Ballistic Missile Early Warning System (BMEWS)	7	3,689	554	U
206	0305910F	SPACETRACK	7	69,242	56,975	34,396 U
207	0305911F	Defense Support Program	7	48,581	50,311	76,351 U
208	0305912F	Submarine-Launched Ballistic Missile (SLBM) Radar Warning System	7	712		U
209	0305913F	NUDET Detection System	7	5,397	9,307	10,140 U

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 FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test & Eval AF

Date: FEB 1994

Line Element No	Program Item	Act	FY 1993	FY 1994	FY 1995 C
Thousands of Dollars					
210	0401218F KC-135s	7		11,745	5,160 U
211	0401840F MAC Command and Control System	7	12,198	10,714	U
212	0701111F Supply Depot Operations (Non-IF)	7	1,564		U
213	0701112F Inventory Control Point Operations	7	1,131		U
214	0702207F Depot Maintenance (Non-IF)	7	2,729	1,820	2,099 U
215	0708011F Industrial Preparedness	7	98,252	73,612	U
216	0708012F Logistics Support Activities	7	5,811	6,301	5,804 U
217	0708026F Productivity, Reliability, Availability, Maintain. Prog Ofc (PRAMPO)	7	22,307	18,068	6,785 U
218	0708054F Pollution Prevention	7		25,087	16,216 U
219	0804734F Cryptologic/SIGINT-Related Skill Training	7		1,915	1,526 U
220	0808789F Counterdrug Demand Reduction Activities	7	100		U
221	0901218F Civilian Compensation Program	7	5,690	5,775	5,655 U
222	1001004F International Activities	7	3,522	1,909	3,436 U
	Operational Systems Development		5,729,665	5,923,056	5,148,794
Total	Research Development Test & Eval AF		12,866,924	12,258,662	12,349,362

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FY 1995 R D T & E Program

Exhibit R-1

Summary

Date: FEB 1994

Thousands of Dollars

	FY 1993	FY 1994	FY 1995
Summary Recap of Budget Activities			
Basic Research	438,544	345,053	340,198
Exploratory Development	1,619,112	1,038,183	1,217,709
Advanced Development	4,284,118	4,733,274	3,695,723
Demonstration and Validation	1,239,199	196,505	1,358,435
Engineering and Manufacturing Development	86,349	65,059	302,164
RDT&E Management Support	137,798	250,519	400,070
Operational Systems Development	1,959,687	2,081,457	2,102,556
Total Research Development Test & Eval Defwide	9,764,807	8,710,050	9,416,855

Summary Recap of FYDP Programs

General Purpose Forces	27,329	29,173	37,429
Intelligence and Communications	1,739,299	1,791,804	1,873,916
Research and Development (FYDP Program 6)	7,760,879	6,585,896	7,289,973
Central Supply and Maintenance	1,803	21,850	
Special Operations Forces	235,497	281,327	215,537
Total Research Development Test & Eval Defwide	9,764,807	8,710,050	9,416,855

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FY 1995 R D T & E Program

Exhibit R-1

Summary

Date: FEB 1994

Thousands of Dollars

	FY 1993	FY 1994	FY 1995
Summary Recap of Defensewide			
Defense Mapping Agency	59,149	67,654	86,556
Ballistic Missile Defense Organization	3,628,300	2,617,200	2,979,855
Office of Secretary/Defense	1,533,341	1,203,556	1,865,229
Advanced Research Projects Agcy	2,278,832	2,559,035	2,661,686
National Security Agency		274,050	273,041
Defense Nuclear Agency	476,033	450,897	46,865
Defense Support Project Office	254,060	20,515	10,939
Joint Chiefs of Staff	26,215	88,292	79,865
Defense Information Systems Agency	91,753		
Defense Intelligence Agency			
Central Imagery Office			
Defense Logistics Agency	20,377	37,161	58,183
Defense Investigative Service	4,118		
Uniformed Services University (USUHS)	235,497	281,327	215,537
Special Operations Command			
Total Research Development Test & Eval Defwide	9,764,807	8,710,050	9,416,655

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Defensewide
 FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Thousands of Dollars

Line No	Program Element Number	Item	Act	FY 1993	FY 1994	FY 1995 C
1	0601101D	In-House Laboratory Independent Research	1		2,262	U
2	0601101E	Defense Research Sciences	1	109,559	86,457	87,706 U
3	0601101W	In-House Laboratory Independent Research	1	4,118		U
4	0601103D	University Research Initiatives	1	315,501	244,667	232,492 U
5	0601109D	US-JAPAN Management Training	1	9,366		U
6	0601110D	Focused Research Initiatives	1		11,667	20,000 U
		Basic Research		438,544	345,053	340,198
7	0602109H	Superconductive Magnetic Energy Storage	2	20,000		U
8	0602217C	Ballistic Missile Defense Technology	2			106,460 U
9	0602227D	Medical Free Electron Laser	2	18,733	23,151	25,938 U
10	0602228D	Historically Black Colleges and Universities (HBCU) Science and Engineer	2	14,050		15,000 U
11	0602301E	Computing Systems and Communications Technology	2	348,329	321,216	419,608 U
12	0602702E	Tactical Technology	2	97,122	88,652	111,343 U
13	0602708E	Integrated Command and Control Technology	2	152,180	85,000	67,950 U
14	0602712E	Materials and Electronics Technology	2	254,386	261,224	224,828 U
15	0602715H	Defense Nuclear Agency	2	371,716	233,154	231,978 U
16	0602787D	Medical Technology	2		8,117	8,477 U
17	0602790D	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	2			1,500 U
18	0602790H	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	2	4,868		U

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Defensewide
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Thousands of Dollars

Program Line Element No. Number	Item	Act	FY 1993	FY 1994	FY 1995 C
19	0603217C Ballistic Missile Defense Technology	2	300,210		U
20	0603734J Island Sun Support	2	20,529	15,822	2,784 U
21	0605502D Small Business Innovative Research	2	15,249		U
22	0305108K Command and Control Research	2	1,740	1,847	1,843 U
Exploratory Development					
23	0602222D Counterterror Technical Support	3	9,309	6,102	6,321 U
24	0603002D Medical Advanced Technology	3		11,361	4,542 U
25	0603214C Space Based Interceptors	3	213,533		U
26	0603215C Limited Defense System	3	1,669,831	574,100	U
27	0603216C Theater Missile Defenses	3		1,485,847	479,131 U
28	0603217C Ballistic Missile Defense Technology	3			769,993 U
29	0603218C Research and Support Activities	3	417,668	515,156	U
30	0603225D Joint DoD-DoE Munitions Technology Development	3	17,684	19,547	14,415 U
31	0603226E Experimental Evaluation of Major Innovative Technologies	3	286,969	560,308	609,331 U
32	0603569E Advanced Submarine Technology	3	52,352	44,194	25,261 U
33	0603570D Defense Reinvestment	3			106,600 U
34	0603570E Defense Reinvestment	3	561,633	474,000	625,000 U
35	0603704D Special Technical Support	3	8,733	9,083	11,298 U
36	0603705D Manufacturing Technology	3			97,057 U

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 Defensewide
 FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Program Line Element No	Item	Act	Thousands of Dollars			S e c
			FY 1993	FY 1994	FY 1995	
37	0603711H Verification Technology Demonstration	3	79,449	40,896	41,063	U
38	0603716D Strategic Environmental Research Program	3	172,736	152,214	111,907	U
39	0603724D Biological Defense - Advanced Development	3		9,714		U
40	0603725D Computers & Communications to Reduce Medical Cost	3		2,914		U
41	0603736D Computer Aided Logistics Support	3	15,111	10,738	13,090	U
42	0603737D Balanced Technology Initiative	3	140,839			U
43	0603738D Cooperative DoD/VA Medical Research	3	28,528	20,561		U
44	0603739E Manufacturing Technology	3	219,847	380,236	346,129	U
45	0603741D Air Defense Initiative	3	161,187			U
46	0603744E Advanced Simulation	3	28,521	27,107	20,937	U
47	0603745E Semiconductor Manufacturing Technology	3	94,710	89,500	90,000	U
48	0603746E Maritime Technology Office	3		38,750		U
49	0603747E Electric Vehicles	3		46,250		U
50	0603748E Natural Gas Vehicles	3		15,000		U
51	0603749E Earth Conservancy	3		10,000		U
52	0603750D Advanced Concepts Technology Demonstration	3			50,000	U
53	0603755D High Performance Computing Modernization Program	3		47,491	183,048	U
54	0603756D Consolidated DoD Software Initiative	3	33,558	23,725		U
55	0603832D Joint Wargaming Simulation Management Office	3	56,171	81,534	68,117	U
56	0604704D Rocket Motor Demilitarization Program	3	15,749	17,946		U

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Defensewide
R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Line Element No	Program Item	Act	FY 1993	FY 1994	FY 1995 c
Thousands of Dollars					
57	0303132G Global Grid Communications	3			U
	Advanced Development		4,284,118	4,733,274	3,695,723
58	0603216C Theater Missile Defenses	4	1,027,058		U
59	0603228D Physical Security Equipment	4	24,650	18,180	21,409 U
60	0603708D Integrated Diagnostics	4	10,558	9,179	11,634 U
61	0603709D Joint Robotics Program	4	17,052	23,849	23,418 U
62	0603710D Classified Program - CSI	4	42,428	8,691	8,092 U
63	0603714D Advanced Sensor Applications Program	4	43,421	35,096	27,359 U
64	0603715D AIM-9 Consolidated Program	4	14,193	21,786	U
65	0603790D NATO Research and Development	4	59,839	37,627	60,240 U
66	0604216C Theater Missile Defense (Dem/Val)	4			1,071,283 U
67	0604217C Ballistic Missile Defense Technology (Dem/Val)	4			120,000 U
68	0604225C Theater Missile Defenses	4		42,097	U
69	0604708D Innovative Environmental Security Technology Systems Program	4			15,000 U
	Demonstration and Validation		1,239,199	196,505	1,358,435
70	0604225C Theater Missile Defenses	5			217,755 U
71	0604705D Mobile Offshore Base Analysis	5	6,555	16,480	U
72	0604771D Joint Tactical Information Distribution System (JTIDS)	5	69,657	48,579	84,409 U
73	0305889D Counterdrug Intelligence Support	5	10,137		U
	Engineering and Manufacturing Development		86,349	65,059	302,164

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Defensewide
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Thousands of Dollars

Program Line Element No	Item	Act	FY 1993	FY 1994	FY 1995 C
74	0603218C Research and Support Activities	6		215,233	U
75	0605104D Technical Studies, Support and Analysis	6	34,711	26,663	40,501 U
76	0605110D Technical Support to USD(A)--Critical Technology	6		2,660	U
77	0605114E BLACK LIGHT	6	4,770	4,875	4,875 U
78	0605117D Foreign Material Acquisition and Exploitation	6	9,486	155,554	49,900 U
79	0605120S Technical Information Service	6	5,657		U
80	0605502E Small Business Innovative Research	6	16,531		U
81	0605798S Defense Support Activities	6	12,917	15,311	15,234 U
82	0605801S Defense Technical Information Center	6		26,266	42,949 U
83	0605898E Management Headquarters (Research and Development	6	21,362	26,266	28,718 U
84	0305889E Counterdrug Intelligence Support	6	30,561		U
85	0708011S Industrial Preparedness	6	1,803	21,850	U
	RDT&E Management Support		137,798	250,519	400,070
86	0201135J CINC C2 Initiatives	7	1,786	1,193	1,389 U
87	0208045K C3 Interoperability (Joint Tactical C3 Agency)	7	25,543	27,980	36,040 U
88	0301011G Cryptologic Activities	7			U
89	0301301L General Defense Intelligence Program	7			U
90	0301308L Missile Intelligence Agency	7			U
91	0302016K National Military Command System-Wide Support	7	7,864	3,401	3,788 U

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FY 1995 Defensewide
R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Program Line Element No	Item	Act	Thousands of Dollars			S e c
			FY 1993	FY 1994	FY 1995	
92	0302019K Joint/Defense Information Systems Engineering and Integration	7	7,910	8,283	9,768	U
93	0303126K Long-Haul Communications (DCS)	7	13,230	39,916	19,657	U
94	0303127K Support of the National Communications System	7	3,051	3,790	4,769	U
95	0303131K Minimum Essential Emergency Communications Network (MEECN)	7	3,172	3,075	4,000	U
96	0303140G Information Systems Security Program	7				U
97	0303150J WIMCCS/Global Command and Control System	7			6,766	U
98	0303154J WIMCCS ADP Modernization	7	3,900	3,500		U
99	0303154K WIMCCS ADP Modernization	7	25,709			U
100	0303401G Communications Security (COMSEC)	7				U
101	0304311D Selected Activities	7				U
102	0305098L Defense Support Activity - IPSPG	7				U
103	0305106LC Consolidated Imagery Activities	7				U
104	0305107LC Tactical Imagery Activities	7				U
105	0305127V Foreign Counterintelligence Activities	7				U
106	0305139B DMA Mapping, Charting, and Geodesy (MC&G) Production System Improve	7	53,022	56,334	67,008	U
107	0305141D Joint Remotely Piloted Vehicles Program	7	130,230	82,798		U
108	0305154D Defense Airborne Reconnaissance Program	7			528,290	U
109	0305154G Defense Airborne Reconnaissance Program	7				U
110	0305154I Defense Airborne Reconnaissance Program	7	194,135	334,519		U
111	0305157I Land Remote Sensing Satellite System	7	5,750	34,506		U

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FY 1995 R D T & E Program
Defensewide

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Thousands of Dollars

Program Line Element No	Item	Act	FY 1993	FY 1994	FY 1995 C	
112	03051598 Defense Reconnaissance Support Activities	7	6,127	11,320	19,548	U
113	0305159G Defense Reconnaissance Support Activities	7				U
114	0305159I Defense Reconnaissance Support Activities	7	54,175	81,872	46,865	U
115	0305167G Computer Security	7				U
116	0305190D C3I Intelligence Programs	7	13,870	16,280	22,515	U
117	0305830K Center for Information Management	7	3,284			U
118	0305884L Intelligence Planning and Review Activities	7				U
119	0305885G Tactical Cryptologic Activities	7				U
120	0305889G Counterdrug Intelligence Support	7				U
121	0305889K Counterdrug Intelligence Support	7	250			U
122	0305889L Counterdrug Intelligence Support	7				U
123	0305898L Management Headquarters (Auxiliary Forces)	7				U
124	11602798B Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	7	1,749			U
125	11604018B Special Operations Technology Development	7	3,655	6,744	7,560	U
126	11604028B Special Operations Advanced Technology Development	7	13,286	27,098	15,549	U
127	11604048B Special Operations Tactical Systems Development	7	121,025	217,976	167,356	U
128	11604058B Special Operations Intelligence Systems Development	7	27,984	6,686	2,958	U
129	11604078B SOF Medical Technology Development	7	541	1,310	1,798	U
130	11604088B SOF Operational Enhancements	7	67,257	21,513	20,316	U
	Operational Systems Development		1,959,687	2,081,457	2,102,556	
	Total Research Development Test & Eval Defwide		9,764,807	8,710,050	9,416,855	

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FY 1995 R D T & E Program
Defensewide
Exhibit R-1

Summary
Date: FEB 1994
Thousands of Dollars

	FY 1993	FY 1994	FY 1995
Summary Recap of Budget Activities			
RT&E Management Support	259,021	231,757	251,495
Total Director of Test & Eval Defense	259,021	231,757	251,495
Summary Recap of FYDP Programs			
Research and Development (FYDP Program 6)	259,021	231,757	251,495
Total Director of Test & Eval Defense	259,021	231,757	251,495

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FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0450 D Director of Test & Eval Defense

Date: FEB 1994

Thousands of Dollars

Line Element No	Program Number	Item	Act	FY 1993	FY 1994	FY 1995 c
1	06049400	Central Test and Evaluation Investment Development (CTEIP)	6	106,806	100,523	115,318 U
2	06051300	Foreign Comparative Testing	6	31,301	32,913	33,716 U
3	06051310	Live Fire Testing	6	10,656	7,499	10,461 U
4	06058040	Development Test and Evaluation	6	110,258	90,822	92,000 U
RDT&E Management Support				259,021	231,757	251,495
Total Director of Test & Eval Defense				259,021	231,757	251,495

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FY 1995 R D T & E Program
Defensewide R D T & E Program
Exhibit R-1

Summary
Date: FEB 1994
Thousands of Dollars

	FY 1993	FY 1994	FY 1995
Summary Recap of Budget Activities			

RD&E Management Support	12,333	11,450	12,501

Total Director of Operational Test & Evaluation	12,333	11,450	12,501

Summary Recap of FYDP Programs			

Research and Development (FYDP Program 6)	12,333	11,450	12,501

Total Director of Operational Test & Evaluation	12,333	11,450	12,501

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FY 1995 R D T & E Program Defensewide Exhibit R-1

Appropriation: 0460 D Director of Operational Test & Evaluation Date: FEB 1994

Program Line Element No Number	Item	Act	FY 1993	FY 1994	FY 1995 C
1 0605118D	Operational Test and Evaluation	6	12,333	11,450	12,501 U
	RDT&E Management Support		12,333	11,450	12,501
	Total Director of Operational Test & Evaluation		12,333	11,450	12,501

Thousands of Dollars

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Defense Mapping Agency
 FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide Date: FEB 1994

Thousands of Dollars

Program Line Element No	Item	Act	FY 1993	FY 1994	FY 1995 C
106	0305139B DNA Mapping, Charting, and Geodesy (MC&G) Production System Improve	7	53,022	56,334	67,008 U
112	0305159B Defense Reconnaissance Support Activities	7	6,127	11,320	19,548 U
	Operational Systems Development		59,149	67,654	86,556
	Total Defense Mapping Agency		59,149	67,654	86,556

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Ballistic Missile Defense Organization
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Line Element No	Program Element Number	Item	Act	FY 1993	FY 1994	FY 1995 C	Thousands of Dollars
8	0602217C	Ballistic Missile Defense Technology	2			106,460	U
19	0603217C	Ballistic Missile Defense Technology	2	300,210			U
		Exploratory Development		300,210		106,460	
25	0603214C	Space Based Interceptors	3	213,533			U
26	0603215C	Limited Defense System	3	1,669,831	574,100		U
27	0603216C	Theater Missile Defenses	3		1,485,847	479,131	U
28	0603217C	Ballistic Missile Defense Technology	3			769,993	U
29	0603218C	Research and Support Activities	3	417,668	515,156		U
		Advanced Development		2,301,032	2,575,103	1,249,124	
58	0603216C	Theater Missile Defenses	4	1,027,058			U
66	0604216C	Theater Missile Defense (Dem/Val)	4			1,071,283	U
67	0604217C	Ballistic Missile Defense Technology (Dem/Val)	4			120,000	U
68	0604225C	Theater Missile Defenses	4		42,097		U
		Demonstration and Validation		1,027,058	42,097	1,191,283	
70	0604225C	Theater Missile Defenses	5			217,755	U
		Engineering and Manufacturing Development				217,755	
74	0603218C	Research and Support Activities	6			215,233	U
		RDT&E Management Support				215,233	
Total		Ballistic Missile Defense Organization		3,628,300	2,617,200	2,979,855	Page D-13

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Office of Secretary/Defense
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Line Element No	Program Element No	Item	Act	FY 1993	FY 1994	FY 1995 C	Thousands of Dollars
1	0601101D	In-House Laboratory Independent Research	1		2,262		U
4	0601103D	University Research Initiatives	1	315,501	244,667	232,492	U
5	0601109D	US-JAPAN Management Training	1	9,366			U
6	0601110D	Focused Research Initiatives	1		11,667	20,000	U
Basic Research							
9	0602227D	Medical Free Electron Laser	2	18,733	23,151	25,938	U
10	0602228D	Historically Black Colleges and Universities (HBCU) Science and Engineer	2	14,050		15,000	U
16	0602787D	Medical Technology	2		8,117	8,477	U
17	0602790D	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	2			1,500	U
21	0605502D	Small Business Innovative Research	2	15,249			U
Exploratory Development							
23	0602222D	Counterterror Technical Support	3	9,309	6,102	6,321	U
24	0603002D	Medical Advanced Technology	3		11,361	4,542	U
30	0603225D	Joint DoD-DoE Munitions Technology Development	3	17,684	19,547	14,415	U
33	0603570D	Defense Reinvestment	3			106,600	U
35	0603704D	Special Technical Support	3	8,733	9,083	11,298	U
36	0603705D	Manufacturing Technology	3			97,057	U
38	0603716D	Strategic Environmental Research Program	3	172,736	152,214	111,907	U
39	0603724D	Biological Defense - Advanced Development	3		9,714		U

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Office of Secretary/Defense
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Line Element No	Item	Act	FY 1993	FY 1994	FY 1995	U C S
Thousands of Dollars						
40	0603725D Computers & Communications to Reduce Medical Cost	3		2,914		U
41	0603736D Computer Aided Logistics Support	3	15,111	10,738	13,090	U
42	0603737D Balanced Technology Initiative	3	140,839			U
43	0603738D Cooperative DoD/VA Medical Research	3	28,528	20,561		U
45	0603741D Air Defense Initiative	3	161,187			U
52	0603750D Advanced Concepts Technology Demonstration	3			50,000	U
53	0603755D High Performance Computing Modernization Program	3		47,491	183,048	U
54	0603756D Consolidated DoD Software Initiative	3	33,558	23,725		U
55	0603832D Joint Wargaming Simulation Management Office	3	56,171	81,534	68,117	U
56	0604704D Rocket Motor Demilitarization Program	3	15,749	17,946		U
	Advanced Development		659,605	412,930	666,395	
59	0603228D Physical Security Equipment	4	24,650	18,180	21,409	U
60	0603708D Integrated Diagnostics	4	10,558	9,179	11,634	U
61	0603709D Joint Robotics Program	4	17,052	23,849	23,418	U
62	0603710D Classified Program - C3I	4	42,428	8,691	8,092	U
63	0603714D Advanced Sensor Applications Program	4	43,421	35,096	27,359	U
64	0603715D AIM-9 Consolidated Program	4	14,193	21,786		U
65	0603790D NATO Research and Development	4	59,839	37,627	60,240	U
69	0604708D Innovative Environmental Security Technology Systems Program	4			15,000	U
	Demonstration and Validation		212,141	154,408	167,152	

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Office of Secretary/Defense
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Program Line Element Number	Item	Act	Thousands of Dollars		
			FY 1993	FY 1994	FY 1995 C
71	0604705D Mobile Offshore Base Analysis	5	6,555	16,480	U
72	0604771D Joint Tactical Information Distribution System (JTIDS)	5	69,657	48,579	84,409 U
73	0305889D Counterdrug Intelligence Support	5	10,137		U
	Engineering and Manufacturing Development		86,349	65,059	84,409
75	0605104D Technical Studies, Support and Analysis	6	34,711	26,663	40,501 U
76	0605110D Technical Support to USD(A)--Critical Technology	6			2,660 U
78	0605117D Foreign Material Acquisition and Exploitation	6	9,486	155,554	49,900 U
	RDT&E Management Support		44,197	182,217	93,061
101	0304311D Selected Activities	7			U
107	0305141D Joint Remotely Piloted Vehicles Program	7	130,230	82,798	U
108	0305154D Defense Airborne Reconnaissance Program	7			528,290 U
116	0305190D C3I Intelligence Programs	7	13,870	16,280	22,515 U
	Operational Systems Development		158,150	99,078	550,805
Total	Office of Secretary/Defense		1,533,341	1,203,556	1,865,229

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Advanced Research Projects Agency
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 00 D Research Development Test & Eval Defwide

Date: FEB 1994

Thousands of Dollars

Line Element No	Program Item	Act	FY 1993	FY 1994	FY 1995 C
2	0601101E Defense Research Sciences	1	109,559	86,457	87,706 U
	Basic Research		109,559	86,457	87,706
11	0602301E Computing Systems and Communications Technology	2	348,329	321,216	419,608 U
12	0602702E Tactical Technology	2	97,122	88,652	111,343 U
13	0602708E Integrated Command and Control Technology	2	152,180	85,000	67,950 U
14	0602712E Materials and Electronics Technology	2	254,386	261,224	224,828 U
	Exploratory Development		852,017	756,092	823,729
31	0603226E Experimental Evaluation of Major Innovative Technologies	3	286,969	560,308	609,331 U
32	0603569E Advanced Submarine Technology	3	52,352	44,194	25,261 U
34	0603570E Defense Reinvestment	3	561,633	474,000	625,000 U
44	0603739E Manufacturing Technology	3	219,847	380,236	346,129 U
46	0603744E Advanced Simulation	3	28,521	27,107	20,937 U
47	0603745E Semiconductor Manufacturing Technology	3	94,710	89,500	90,000 U
48	0603746E Maritime Technology Office	3		38,750	U
49	0603747E Electric Vehicles	3		46,250	U
50	0603748E Natural Gas Vehicles	3		15,000	U
51	0603749E Earth Conservancy	3		10,000	U
	Advanced Development		1,244,032	1,685,345	1,716,658

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Advanced Research Projects Agency
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Thousands of Dollars

Program Element No	Item	Act	FY 1993	FY 1994	FY 1995 C
77	0605114E BLACK LIGHT	6	4,770	4,875	4,875 U
80	0605502E Small Business Innovative Research	6	16,531		U
83	0605898E Management Headquarters (Research and Development	6	21,362	26,266	28,718 U
84	0305889E Counterdrug Intelligence Support	6	30,561		U
	RDt&E Management Support		73,224	31,141	33,593
	Total Advanced Research Projects Agency		2,278,832	2,559,035	2,661,686

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National Security Agency
 FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Program Line Element No	Item	Thousands of Dollars			
		Act	FY 1993	FY 1994	FY 1995 C
57	0303132G Global Grid Communications	3			U
	Advanced Development				U
88	0301011G Cryptologic Activities	7			U
96	0303140G Information Systems Security Program	7			U
100	0303401G Communications Security (COMSEC)	7			U
109	03051543 Defense Airborne Reconnaissance Program	7			U
113	0305159G Defense Reconnaissance Support Activities	7			U
115	0305167G Computer Security	7			U
119	0305885G Tactical Cryptologic Activities	7			U
120	0305889G Counterdrug Intelligence Support	7			U
	Operational Systems Development				U
	Total National Security Agency				U

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Defense Nuclear Agency
 FY 1995 R D T & E Program Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide Date: FEB 1994

Line Element No	Program	Item	Act	FY 1993	FY 1994	FY 1995 C	Thousands of Dollars
7	0602109H	Superconductive Magnetic Energy Storage	2	20,000			U
15	0602715H	Defense Nuclear Agency	2	371,716	233,154	231,978	U
18	0602790H	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	2	4,868			U
Exploratory Development							
37	0603711H	Verification Technology Demonstration	3	79,449	40,896	41,063	U
Advanced Development							
Total Defense Nuclear Agency				476,033	274,050	273,041	

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Defense Support Project Office
 FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Line Element No	Program Number	Item	Act	FY 1993	FY 1994	FY 1995 C	Thousands of Dollars
110	0305154I	Defense Airborne Reconnaissance Program	7	194,135	334,519		U
111	0305157I	Land Remote Sensing Satellite System	7	5,750	34,506		U
114	0305159I	Defense Reconnaissance Support Activities	7	54,175	81,872	46,865	U
Operational Systems Development				254,060	450,897	46,865	
Total Defense Support Project Office				254,060	450,897	46,865	

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Joint Chiefs of Staff
 FY 1995 R D T & E Program

Exhibit R-1

Date: FEB 1994

Appropriation: 0400 D Research Development Test & Eval Defwide

Program Line Element Number	Item	Act	FY 1993	FY 1994	FY 1995 C	U
Thousands of Dollars						
20	0603734J Island Sun Support	2	20,529	15,822	2,784	U
Exploratory Development						
86	0201135J CINC C2 Initiatives	7	1,786	1,193	1,389	U
97	0303150J WMCSS/Global Command and Control System	7	3,900	3,500	6,766	U
98	0303154J WMCSS ADP Modernization	7				U
Operational Systems Development						
Total Joint Chiefs of Staff			26,215	20,515	10,939	

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Defense Information Systems Agency
FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Line Element No	Program Element Number	Item	Act	FY 1993	FY 1994	FY 1995 C	Thousands of Dollars
22	0305108K	Command and Control Research	2	1,740	1,847	1,843 U	
Exploratory Development							
87	0208045K	C3 Interoperability (Joint Tactical C3 Agency)	7	25,543	27,980	36,040 U	
91	0302016K	National Military Command System-Wide Support	7	7,864	3,401	3,788 U	
92	0302019K	Joint/Defense Information Systems Engineering and Integration	7	7,910	8,283	9,768 U	
93	0303126K	Long-Haul Communications (DCS)	7	13,230	39,916	19,657 U	
94	0303127K	Support of the National Communications System	7	3,051	3,790	4,769 U	
95	0303131K	Minimum Essential Emergency Communications Network (MEECN)	7	3,172	3,075	4,000 U	
99	0303154K	WFMCCS ADP Modernization	7	25,709		U	
117	0305830K	Center for Information Management	7	3,284		U	
121	0305889K	Counterdrug Intelligence Support	7	250		U	
Operational Systems Development							
				90,013	86,445	78,022	
Total Defense Information Systems Agency				91,753	88,292	79,865	

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Defense Intelligence Agency
 FY 1995 R D T & E Program

Exhibit R-1

Date: FEB 1994

Appropriation: 0400 D Research Development Test & Eval Defwide

Thousands of Dollars

Program Line Element No	Item	Act	FY 1993	FY 1994	FY 1995	C
89	0301301L General Defense Intelligence Program	7				U
90	0301308L Missile Intelligence Agency	7				U
102	0305098L Defense Support Activity - IPSPG	7				U
118	0305884L Intelligence Planning and Review Activities	7				U
122	0305889L Counterdrug Intelligence Support	7				U
123	0305898L Management Headquarters (Auxiliary Forces)	7				U
Operational Systems Development						
Total Defense Intelligence Agency						

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Central Imagery Office
FY 1995 R D T & E Program Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide Date: FEB 1994

Line No	Program Element Number	Item	Act	FY 1993	FY 1994	FY 1995 C	Thousands of Dollars
103	0305106LC	Consolidated Imagery Activities	7				U
104	0305107LC	Tactical Imagery Activities	7				U
		Operational Systems Development					U
Total		Central Imagery Office					U

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Defense Logistics Agency
 FY 1995 RDT & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Line Element No	Program Element Number	Item	Act	Thousands of Dollars			U
				FY 1993	FY 1994	FY 1995 C	
79	0605120S	Technical Information Service	6	5,657			U
81	0605798S	Defense Support Activities	6	12,917	15,311	15,234	U
82	0605801S	Defense Technical Information Center	6			42,949	U
85	0708011S	Industrial Preparedness	6	1,803	21,850		U
RDT&E Management Support							
				20,377	37,161	58,183	
Total Defense Logistics Agency				20,377	37,161	58,183	

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Defense Investigative Service
FY 1995 R D T & E Program

Exhibit R-1

Date: FEB 1994

Appropriation: 0400 D Research Development Test & Eval Defwide

Thousands of Dollars

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Line Element Program
No Number Item Act FY 1993 FY 1994 FY 1995 C

105 0305127V Foreign Counterintelligence Activities 7 U

Operational Systems Development

Total Defense Investigative Service U

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Uniformed Services University (USUHS)
 FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Line Element No	Program Number	Item	Act	Thousands of Dollars		
				FY 1993	FY 1994	FY 1995 C
3	0601101W	In-House Laboratory Independent Research	1	4,118		U

Basic Research

 4,118

Total Uniformed Services University (USUHS)

 4,118

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Special Operations Command
 FY 1995 R D T & E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1994

Line Element No	Program Element Number	Item	Act	FY 1993	FY 1994	FY 1995 C	Thousands of Dollars
124	116027988	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	7	1,749			U
125	116040188	Special Operations Technology Development	7	3,655	6,744	7,560	U
126	116040288	Special Operations Advanced Technology Development	7	13,286	27,098	15,549	U
127	116040488	Special Operations Tactical Systems Development	7	121,025	217,976	167,356	U
128	116040588	Special Operations Intelligence Systems Development	7	27,984	6,686	2,958	U
129	116040788	SOF Medical Technology Development	7	541	1,310	1,798	U
130	116040888	SOF Operational Enhancements	7	67,257	21,513	20,316	U
Operational Systems Development				235,497	281,327	215,537	
Total Special Operations Command				235,497	281,327	215,537	