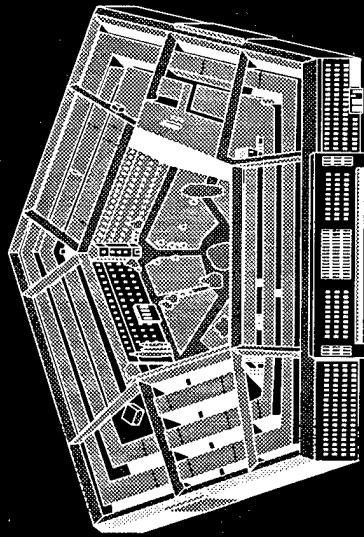


RDT&E PROGRAMS (R-1)



Department of Defense Budget for Fiscal Year 1999

February 1998

19980304 104

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Preface

The RDT&E Programs (R-1) is derived from and consistent with the Budget Review System database.

The R-1 is provided annually to the DoD oversight committees of the Congress coincident with the transmittal of the President's Budget. This document is also provided to OASD (PA) for use by non-DoD activities, and is available to the public on the Internet at <http://www.dtic.mil/comptroller>.

Office of the Under Secretary of Defense (Comptroller)

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Department of Defense
FY 1999 RDT&E Program

Exhibit R-1

Summary

Date: FEB 1998

Thousands of Dollars

	FY 1997	FY 1998	FY 1999
Summary By Appropriation			
Research Development Test & Eval Army	4,915,915	5,025,279	4,780,545
Research Development Test & Eval Navy	7,884,361	7,879,912	8,108,923
Research Development Test & Eval AF	14,089,834	13,982,255	13,598,093
Research Development Test & Eval Defwide	9,312,589	9,496,233	9,314,665
Developmental Test & Eval, Defense	275,792	245,725	251,106
Operational Test & Evaluation, Defense	24,219	29,794	25,245
Total Research, Development, Test & Evaluation	36,502,710	36,659,198	36,078,577

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Department of Defense
FY 1999 RDT&E Program

Exhibit R-1

Summary

Date: FEB 1998

Thousands of Dollars

	FY 1997	FY 1998	FY 1999
Summary Recap of Budget Activities			
Basic Research	1,031,920	1,041,839	1,111,227
Applied Research	2,821,792	2,996,042	3,019,851
Advanced Technology Development	3,639,059	3,762,352	3,050,193
Demonstration and Validation	5,864,080	6,396,570	6,516,243
Engineering and Manufacturing Development	8,536,124	8,199,157	7,986,551
RDT&E Management Support	3,464,876	3,198,994	2,770,676
Operational Systems Development	11,144,859	11,064,244	11,623,836
Total Research, Development, Test & Evaluation	36,502,710	36,659,198	36,078,577
Summary Recap of FYDP Programs			
Strategic Forces	114,878	129,638	225,275
General Purpose Forces	2,899,197	2,817,559	2,951,190
Intelligence and Communications	7,750,423	7,669,906	7,768,334
Mobility Forces	79,466	121,201	182,614
Research and Development	25,240,665	25,474,965	24,463,667
Central Supply and Maintenance	240,299	215,245	278,332
Training Medical and Other	1,778	1,258	
Administration and Assoc Activities	24,850	38,633	41,148
Support of Other Nations	9,523	37,907	12,114
Special Operations Forces	141,631	152,886	155,903
Total Research, Development, Test & Evaluation	36,502,710	36,659,198	36,078,577

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Department of the Army
FY 1999 RDT&E Program

Exhibit R-1

Summary

Date: FEB 1998

Thousands of Dollars

	FY 1997	FY 1998	FY 1999
Summary Recap of Budget Activities			
Basic Research	174,763	180,643	200,760
Applied Research	541,944	654,051	511,285
Advanced Technology Development	653,525	657,518	483,595
Demonstration and Validation	539,607	562,811	466,009
Engineering and Manufacturing Development	1,145,529	1,162,405	1,269,124
RDT&E Management Support	1,144,658	1,129,057	1,076,593
Operational Systems Development	715,889	678,794	773,179
Total Research Development Test & Eval Army	4,915,915	5,025,279	4,780,545
Summary Recap of FYDP Programs			
Strategic Forces	25,680	33,011	103,937
General Purpose Forces	512,499	451,291	450,086
Intelligence and Communications	70,983	83,818	161,996
Research and Development	4,261,515	4,382,656	4,027,610
Central Supply and Maintenance	45,006	64,278	30,511
Administration and Assoc Activities	232	10,225	6,405
Support of Other Nations			
Total Research Development Test & Eval Army	4,915,915	5,025,279	4,780,545

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Department of the Army
FY 1999, RDT&E Program

Exhibit R-1

Appropriation: 2040 A Research Development Test & Eval Army

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
1	0601101A In-House Laboratory Independent Research	1	14,108	13,678	14,902 U
2	0601102A Defense Research Sciences	1	117,041	121,827	137,399 U
3	0601104A University and Industry Research Centers	1	43,614	45,138	48,459 U
	Basic Research		174,763	180,643	200,760
4	0602104A TRACTOR ROSE	2	2,987		6,000 U
5	0602105A Materials Technology	2	14,339	12,415	10,137 U
6	0602120A Sensors and Electronic Survivability	2	19,140	25,855	18,738 U
7	0602122A TRACTOR HIP	2	7,796	7,018	11,685 U
8	0602211A Aviation Technology	2	20,637	22,211	29,746 U
9	0602270A EW Technology	2	14,845	18,925	16,249 U
10	0602303A Missile Technology	2	28,677	24,238	25,180 U
11	0602308A Modeling and Simulation Technology	2	20,107	20,339	27,981 U
12	0602601A Combat Vehicle and Automotive Technology	2	34,272	60,162	40,107 U
13	0602618A Ballistics Technology	2	39,248	40,042	31,115 U
14	0602622A Chemical, Smoke and Equipment Defeating Technology	2	2,193	3,577	5,116 U
15	0602623A Joint Service Small Arms Program	2	4,388	9,000	5,229 U
16	0602624A Weapons and Munitions Technology	2	20,993	29,905	29,489 U
17	0602705A Electronics and Electronic Devices	2	23,756	24,464	22,329 U
18	0602709A Night Vision Technology	2	16,935	16,712	19,157 U

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Department of the Army
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 2040 A Research Development Test & Eval Army

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
19	0602712A Countermine Systems	2	7,052	10,272	10,715 U
20	0602716A Human Factors Engineering Technology	2	15,781	16,723	13,369 U
21	0602720A Environmental Quality Technology	2	50,019	56,131	13,842 U
22	0602782A Command, Control, Communications Technology	2	13,893	16,197	19,746 U
23	0602783A Computer and Software Technology	2	6,419	658	2,185 U
24	0602784A Military Engineering Technology	2	37,505	50,802	37,488 U
25	0602785A Manpower/Personnel/Training Technology	2	9,196	8,736	8,602 U
26	0602786A Warfighter Technology	2	23,513	18,088	18,661 U
27	0602787A Medical Technology	2	106,131	160,376	67,255 U
28	0602789A ARMY Artificial Intelligence Technology	2	2,122	1,205	1,164 U
29	0602805A Dual Use Applications Program	2			20,000 U
Applied Research					
30	0603001A Warfighter Advanced Technology	3	541,944	654,051	511,285
31	0603002A Medical Advanced Technology	3	23,211	34,361	32,969 U
32	0603003A Aviation Advanced Technology	3	195,884	176,737	11,012 U
33	0603004A Weapons and Munitions Advanced Technology	3	54,901	89,467	30,048 U
34	0603005A Combat Vehicle and Automotive Advanced Technology	3	27,661	25,444	24,555 U
35	0603006A Command, Control, Communications Advanced Technology	3	28,160	40,796	54,435 U
36	0603007A Manpower, Personnel and Training Advanced Technology	3	29,627	25,708	20,109 U
			4,289	2,910	3,021 U

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Department of the Army
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 2040 A Research Development Test & Eval Army

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
37	0603009A TRACTOR HIKE	3	16,123	13,441	9,873 U
38	0603013A TRACTOR DIRT	3	2,679		57 U
39	0603017A TRACTOR RED	3	8,221	5,399	4,590 U
40	0603020A TRACTOR ROSE	3	4,845	10,859	2,016 U
41	0603105A Military HIV Research	3	17,080	2,629	5,710 U
42	0603238A Global Surveillance/Air Defense/Precision Strike Technology Demonstn	3	19,291	12,773	9,973 U
43	0603270A EW Technology	3	6,480	7,929	11,508 U
44	0603313A Missile and Rocket Advanced Technology	3	93,739	90,468	86,096 U
45	0603322A TRACTOR CAGE	3	6,123	5,991	4,408 U
46	0603606A Landmine Warfare and Barrier Advanced Technology	3	26,899	31,581	21,944 U
47	0603607A Joint Service Small Arms Program	3	8,825	9,015	5,173 U
48	0603654A Line-Of-Sight Technology Demonstration	3	9,533	4,845	20,099 U
49	0603710A Night Vision Advanced Technology	3	28,584	18,705	23,960 U
50	0603734A Military Engineering Advanced Technology	3	19,678	19,574	13,564 U
51	0603772A Advanced Tactical Computer Science and Sensor Technology	3	21,692	18,886	18,456 U
52	0603780A Tactical Towed Array Sonar (H)	3			54,419 U
53	0604280A Joint Tactical Radio	3		10,000	15,600 U
	Advanced Technology Development		653,525	657,518	483,595
54	0603018A TRACTOR TREAD	4	2,267		U

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Department of the Army
FY 1999 RDT&E Program

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Appropriation: 2040 A Research Development Test & Eval Army

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c	Thousands of Dollars
55	0603308A Army Missile Defense Systems Integration	4	68,205	73,304	12,240	U
56	0603619A Landmine Warfare and Barrier - Adv Dev	4	27,164	24,299	6,778	U
57	0603627A Smoke, Obscurant and Target Defeating Sys-Adv Dev	4	5,573			U
58	0603639A Armament Enhancement Initiative	4	56,687	37,127	26,526	U
59	0603640A Artillery Propellant Development	4	8,103	8,258		U
60	0603645A Armored System Modernization - Adv Dev	4	1,612	1,945		U
61	0603649A Engineer Mobility Equipment Advanced Development	4	498			U
62	0603653A Advanced Tank Armament System (ATAS)	4	11,144	8,704	8,928	U
63	0603713A Army Data Distribution System	4	25,699	20,526	17,281	U
64	0603745A Tactical Electronic Support Systems - Adv Dev	4	3,837			U
65	0603747A Soldier Support and Survivability	4	6,487	7,324	7,581	U
66	0603766A Tactical Electronic Surveillance System - Adv Dev	4	24,714	19,566		U
67	0603774A Night Vision Systems Advanced Development	4	2,254	2,848	2,681	U
68	0603790A NATO Research and Development	4	9,495	8,866	11,161	U
69	0603801A Aviation - Adv Dev	4	10,648	13,696	7,487	U
70	0603804A Logistics and Engineer Equipment - Adv Dev	4	7,100	6,574	17,478	U
71	0603805A Combat Service Support Control System Evaluation and Analysis	4	15,479	7,280	14,353	U
72	0603807A Medical Systems - Adv Dev	4	9,730	6,555	11,414	U
73	0603851A TRACTOR CAGE (Dem/Val)	4	2,922	1,851	966	U
74	0603854A Artillery Systems - Dem/Val	4	232,288	314,017	313,166	U

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Department of the Army
FY 1999 RDT&E Program

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Appropriation: 2040 A Research Development Test & Eval Army

Date: FEB 1998

Program Line Element No Number	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
75	0603856A SCAMP Block II Dem/Val	4	7,701	71	7,969 U
Demonstration and Validation					
76	0604201A Aircraft Avionics	5	17,706	31,660	7,878 U
77	0604220A Armed, Deployable OH-58D	5	1,100		U
78	0604223A Comanche	5	325,299	272,187	367,823 U
79	0604270A EW Development	5	69,067	84,180	85,989 U
80	0604321A All Source Analysis System	5	37,463	26,094	28,081 U
81	0604325A Follow-on to TOW	5	5,934	13,449	48,106 U
82	0604328A TRACTOR CAGE	5	1,484	11	1,788 U
83	0604604A Medium Tactical Vehicles	5	5,719	3,614	U
84	0604609A Smoke, Obscurant and Target Defeating Sys-Eng Dev	5			706 U
85	0604611A JAVELIN	5	5,855	7,771	5,277 U
86	0604619A Landmine Warfare	5	25,355	19,189	23,189 U
87	0604622A Family of Heavy Tactical Vehicles	5	4,906	4,845	U
88	0604633A Air Traffic Control	5	7,086	4,533	1,737 U
89	0604640A Advanced Command and Control Vehicle (AC2V)	5	7,545	10,532	U
90	0604641A Tactical Unmanned Ground Vehicle (TUGV)	5	2,728	2,604	2,468 U
91	0604642A Light Tactical Wheeled Vehicles	5	3,409		U
92	0604645A Armored Systems Modernization (ASM)-Eng. Dev.	5	6,408		4,500 U

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Department of the Army
FY 1999 RDT&E Program

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Appropriation: 2040 A Research Development Test & Eval Army		Date: FEB 1998	
Program Line Element No	Item	Act	Thousands of Dollars
		FY 1997	FY 1998
93	0604649A Engineer Mobility Equipment Development	5	44,225
94	0604710A Night Vision Systems - Eng Dev	5	33,970
95	0604713A Combat Feeding, Clothing, and Equipment	5	73,404
96	0604715A Non-System Training Devices - Eng Dev	5	46,142
97	0604716A Terrain Information - Eng Dev	5	6,969
98	0604726A Integrated Meteorological Support System	5	1,887
99	0604739A Integrated Broadcast Service	5	4,588
100	0604741A Air Defense Command, Control and Intelligence	5	19,577
101	0604746A Automatic Test Equipment Development	5	8,868
102	0604760A Distributive Interactive Simulations (DIS)	5	17,618
103	0604766A Tactical Exploitation of National Capabilities	5	14,839
104	0604768A Brilliant Anti-Armor Submunition (BAT)	5	161,583
105	0604770A Joint Surveillance/Target Attack Radar System	5	9,406
106	0604778A Positioning Systems Development (SPACE)	5	417
107	0604780A Combined Arms Tactical Trainer (CATT) Core	5	29,420
108	0604801A Aviation - Eng Dev	5	4,331
109	0604802A Weapons and Munitions - Eng Dev	5	21,567
110	0604804A Logistics and Engineer Equipment - Eng Dev	5	19,061
111	0604805A Command, Control, Communications Systems	5	13,315
112	0604807A Medical Materiel/Medical Biological Defense	5	4,570

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Department of the Army
FY 1999 RDT&E Program

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Appropriation: 2040 A Research Development Test & Eval Army		Date: FEB 1998		Thousands of Dollars		
Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c	
113	0604808A Landmine Warfare/Barrier - Eng Dev	5	9,342	13,818	46,905	U
114	0604814A Sense and Destroy Armament Missile - Eng Dev	5	9,677	10,847	20,813	U
115	0604816A LONGBOW - Eng Dev	5	10,762			U
116	0604817A Combat Identification	5	16,889	19,026	13,471	U
117	0604818A Army Tactical Command & Control Hardware & Software	5	35,495	19,184	32,929	U
118	0604820A Radar Development	5			2,786	U
119	0604823A Firefinder	5	2,430	2,484	19,822	U
120	0604824A DUAP Commercial Operations and Support Savings	5			33,600	U
121	0604854A Artillery Systems - EMD	5			100	U
Engineering and Manufacturing Development						
122	0604256A Threat Simulator Development	6	11,146	16,480	11,935	U
123	0604258A Target Systems Development	6	9,661	11,328	13,127	U
124	0604759A Major T&E Investment	6	39,698	39,200	40,284	U
125	0605103A Rand Arroyo Center	6	20,550	16,534	16,718	U
126	0605301A Army Kwajalein Atoll	6	140,078	120,918	142,710	U
127	0605326A Concepts Experimentation Program	6			17,441	U
128	0605502A Small Business Innovative Research	6	99,082			U
129	0605601A Army Test Ranges and Facilities	6	128,036	118,327	119,553	U
130	0605602A Army Technical Test Instrumentation and Targets	6	20,761	32,160	33,439	U

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Department of the Army
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 2040 A Research Development Test & Eval Army

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
131	0605604A Survivability/Lethality Analysis	6	29,362	31,308	30,498 U
132	0605605A DOD High Energy Laser Test Facility	6	29,227	28,965	15,022 U
133	0605606A Aircraft Certification	6	2,415	2,828	2,924 U
134	0605702A Meteorological Support to RDT&E Activities	6	6,278	6,235	6,691 U
135	0605706A Materiel Systems Analysis	6	14,006	27,755	9,711 U
136	0605709A Exploitation of Foreign Items	6	6,962	7,523	4,031 U
137	0605712A Support of Operational Testing	6	44,900	76,807	66,320 U
138	0605716A Army Evaluation Center	6			25,526 U
139	0605801A Programwide Activities	6	58,310	79,626	64,588 U
140	0605802A International Cooperative Research and Development	6	1,494		U
141	0605803A Technical Information Activities	6	16,465	14,673	16,251 U
142	0605805A Munitions Standardization, Effectiveness and Safety	6	3,083	11,064	8,497 U
143	0605853A Environmental Conservation	6	1,874	1,723	3,195 U
144	0605854A Pollution Prevention	6	13,413	5,187	8,694 U
145	0605856A Environmental Compliance	6	52,716	56,576	44,116 U
146	0605876A Minor Construction (RPM) - RDT&E	6	4,148	4,258	4,205 U
147	0605878A Maintenance and Repair (RPM) - RDT&E	6	66,869	83,751	49,233 U
148	0605879A Real Property Services (RPS) - RDT&E	6	88,190	86,199	87,172 U
149	0605896A Base Operations - RDT&E	6	217,667	224,593	230,029 U
150	0605898A Management Headquarters (Research and Development)	6	18,035	25,039	4,683 U
151	0909999A Financing for Cancelled Account Adjustments	6	232		U
			1,144,658	1,129,057	1,076,593

RDT&E Management Support

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Department of the Army
FY 1999 RDT&E Program

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Appropriation: 2040 A Research Development Test & Eval Army

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 e c
Thousands of Dollars					
152	0603778A MLRS Product Improvement Program	7	61,721	36,171	20,244 U
153	0102419A Aerostat Joint Project Office	7	25,680	33,011	103,937 U
154	0203726A Adv Field Artillery Tactical Data System	7	37,507	37,455	35,111 U
155	0203735A Combat Vehicle Improvement Programs	7	203,653	161,497	94,756 U
156	0203740A Maneuver Control System	7	27,166	24,510	28,923 U
157	0203744A Aircraft Modifications/Product Improvement Programs	7	21,836	21,567	26,681 U
158	0203752A Aircraft Engine Component Improvement Program	7	3,734	2,849	2,948 U
159	0203758A Digitization	7	98,124	94,103	45,007 U
160	0203759A Force XXI Battle Command, Brigade and Below	7			52,469 U
161	0203761A Force Twenty-One (XXI), Warfighting Rapid	7	16,640	43,126	99,528 U
162	0203801A Missile/Air Defense Product Improvement Program	7	60,882	30,443	11,252 U
163	0203802A Other Missile Product Improvement Programs	7	13,570	1,216	1,248 U
164	0203806A TRACTOR RUT	7	3,030	2,046	U
165	0203808A TRACTOR CARD	7	6,588	6,373	3,993 U
166	0208010A Joint Tactical Communications Program (TRI-TAC)	7	17,747	21,105	35,941 U
167	0208053A Joint Tactical Ground System	7	2,022	5,001	12,229 U
168	0301359A Special Army Program	7	10,929	7,315	6,537 U
169	0303140A Information Systems Security Program	7	3,048	11,771	7,433 U
170	0303142A SATCOM Ground Environment (SPACE)	7	37,665	48,939	53,897 U
171	0303150A WWWCCS/Global Command and Control System	7	18,877	14,581	17,543 U

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Department of the Army
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 2040 A Research Development Test & Eval Army

Date: FEB 1998

Line No	Program Element Number	Item	Act	FY 1997	FY 1998	FY 1999 c	Thousands of Dollars	S
172	0305114A	Traffic Control, Approach and Landing System-FY	7		728			U
173	0305128A	Security and Investigative Activities	7	464	484			950 U
174	0305204A	Tactical Unmanned Aerial Vehicles	7					75,636 U
175	0708045A	End Item Industrial Preparedness Activities	7	45,006	64,278			30,511 U
176	1001018A	NATO Joint STARS	7		10,225			6,405 U
Operational Systems Development								
				715,889	678,794			773,179
Total Research Development Test & Eval Army								
				4,915,915	5,025,279			4,780,545

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Department of the Navy
FY 1999 RDT&E Program

Exhibit R-1

Date: FEB 1998

Summary

Thousands of Dollars

	FY 1997	FY 1998	FY 1999
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Summary Recap of Budget Activities

Basic Research	345,606	338,743	362,679
Applied Research	514,282	493,622	524,723
Advanced Technology Development	462,002	514,781	460,725
Demonstration and Validation	1,904,375	2,219,002	2,358,359
Engineering and Manufacturing Development	2,153,911	2,227,348	2,063,281
RDT&E Management Support	681,340	551,033	616,973
Operational Systems Development	1,822,845	1,535,383	1,722,183
Total Research Development Test & Eval Navy	7,884,361	7,879,912	8,108,923

Summary Recap of FYDP Programs

Strategic Forces	59,970	68,757	98,520
General Purpose Forces	1,034,986	892,144	910,206
Intelligence and Communications	643,652	521,113	582,465
Research and Development	6,052,594	6,344,529	6,388,705
Central Supply and Maintenance	84,237	53,369	129,027
Administration and Assoc Activities	8,922		
Total Research Development Test & Eval Navy	7,884,361	7,879,912	8,108,923

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Department of the Navy
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 1319 N Research Development Test & Eval Navy

Date: FEB 1998

Line No	Program Element No	Item	Act	FY 1997	FY 1998	FY 1999 e c
			Thousands of Dollars			
1	0601152N	In-House Laboratory Independent Research	1	14,175	14,248	14,734 U
2	0601153N	Defense Research Sciences	1	331,431	324,495	347,945 U
Basic Research						
3	0602111N	Air and Surface Launched Weapons Technology	2	32,112	28,379	37,140 U
4	0602121N	Ship, Submarine & Logistics Technology	2	48,790	48,865	43,177 U
5	0602122N	Aircraft Technology	2	21,931	24,553	23,229 U
6	0602131M	Marine Corps Landing Force Technology	2	16,016	13,458	12,132 U
7	0602228N	Historically Black Colleges and Universities	2			4,699 U
8	0602232N	Communications, Command and Control,	2	53,967	54,814	65,033 U
9	0602233N	Human Systems Technology	2	49,837	38,079	29,722 U
10	0602234N	Materials, Electronics and Computer Technology	2	85,881	70,174	77,617 U
11	0602270N	Electronic Warfare Technology	2	18,274	21,164	23,849 U
12	0602314N	Undersea Warfare Surveillance Technology	2	44,442	44,578	50,619 U
13	0602315N	Mine Countermeasures, Mining and Special Warfare	2	40,958	41,451	45,928 U
14	0602435N	Oceanographic and Atmospheric Technology	2	70,661	71,491	56,722 U
15	0602633N	Undersea Warfare Weaponry Technology	2	31,413	36,616	34,856 U
16	0602805N	Dual Use Applications Program	2			20,000 U
Applied Research						
17	0603217N	Air Systems and Weapons Advanced Technology	3	514,282	493,622	524,723
				36,870	34,562	48,143 U

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Appropriation: 1319 N Research Development Test & Eval Navy

Date: FEB 1998

Program Line Element No Number	Item	Act	FY 1997	FY 1998	FY 1999 e
Thousands of Dollars					
18 0603238N	Precision Strike and Air Defense Technology	3	61,610	54,319	58,306 U
19 0603270N	Advanced Electronic Warfare Technology	3	14,072	16,635	17,169 U
20 0603508N	Surface Ship & Submarine HM&E Advanced Technology	3	31,064	48,261	39,264 U
21 0603640M	Marine Corps Advanced Technology Demonstration	3	19,646	58,780	41,931 U
22 0603706N	Medical Development	3	55,593	68,151	18,728 U
23 0603707N	Manpower, Personnel and Training Adv Tech Dev	3	18,002	21,834	21,042 U
24 0603712N	Environmental Quality and Logistics Advanced Technology	3	37,701	25,462	20,919 U
25 0603747N	Undersea Warfare Advanced Technology	3	45,697	44,772	56,827 U
26 0603782N	Mine and Expeditionary Warfare Advanced Technology	3	40,847	36,876	41,710 U
27 0603792N	Advanced Technology Transition	3	69,110	83,510	74,392 U
28 0603794N	C3 Advanced Technology	3	31,790	21,619	22,294 U
Advanced Technology Development					460,725
29 0603207N	Air/Ocean Tactical Applications	4	17,265	15,499	28,824 U
30 0603208N	Training System Aircraft	4	1,963		U
31 0603216N	Aviation Survivability	4	12,237	16,447	8,164 U
32 0603254N	ASW Systems Development	4	20,682	23,962	20,184 U
33 0603261N	Tactical Airborne Reconnaissance	4	27,497	10,262	1,479 U
34 0603382N	Advanced Combat Systems Technology	4	3,685	5,077	8,653 U
35 0603502N	Surface and Shallow Water Mine Countermeasures	4	82,210	71,146	73,491 U

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Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
36	0603504N Advanced Submarine Combat Systems Development	4	36,549	60,087	68,402 U
37	0603506N Surface Ship Torpedo Defense	4	5,107		U
38	0603512N Carrier Systems Development	4	13,555	19,976	154,307 U
39	0603513N Shipboard System Component Development	4	17,404	22,022	27,725 U
40	0603514N Ship Combat Survivability	4	8,131	6,840	7,595 U
41	0603525N PILOT FISH	4	89,956	113,659	117,094 U
42	0603536N RETRACT JUNIPER	4	9,462	9,388	11,055 U
43	0603542N Radiological Control	4	2,729	2,940	3,600 U
44	0603553N Surface ASW	4	3,453	5,491	11,871 U
45	0603561N Advanced Submarine System Development	4	61,679	110,618	60,520 U
46	0603562N Submarine Tactical Warfare Systems	4	4,296	4,007	4,676 U
47	0603563N Ship Concept Advanced Design	4	14,356	15,713	14,900 U
48	0603564N Ship Preliminary Design & Feasibility Studies	4	15,761	52,084	42,668 U
49	0603570N Advanced Nuclear Power Systems	4	129,571	121,639	118,342 U
50	0603573N Advanced Surface Machinery Systems	4	64,459	46,324	58,419 U
51	0603576N CHALK EAGLE	4	142,165	131,501	122,031 U
52	0603582N Combat System Integration	4	5,672	7,379	9,654 U
53	0603609N Conventional Munitions	4	24,255	37,236	39,775 U
54	0603610N Advanced Warhead Development (MK-50)	4	599		U
55	0603611M Marine Corps Assault Vehicles	4	36,261	68,186	104,822 U

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Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
56	0603612M Marine Corps Mine/Countermeasures Systems - Adv Dev	4	1		1,958 U
57	0603635M Marine Corps Ground Combat/Support System	4	40,542	40,357	37,133 U
58	0603654N Joint Service Explosive Ordnance Development	4	6,580	10,301	10,756 U
59	0603658N Cooperative Engagement	4		206,851	131,623 U
60	0603711N Fleet Tactical Development	4	3,167		U
61	0603713N Ocean Engineering Technology Development	4	8,002	10,283	15,257 U
62	0603721N Environmental Protection	4	47,882	55,685	59,438 U
63	0603724N Navy Energy Program	4	3,899	4,037	4,592 U
64	0603725N Facilities Improvement	4	2,124	6,521	1,861 U
65	0603734N CHALK CORAL	4	74,293	90,562	97,552 U
66	0603746N RETRACT MAPLE	4	79,167	115,179	117,186 U
67	0603748N LINK PLUMERIA	4	34,971	28,266	22,123 U
68	0603751N RETRACT ELM	4	24,984	23,577	11,665 U
69	0603755N Ship Self Defense - Dem/Val	4	267,344	9,597	12,337 U
70	0603785N Combat Systems Oceanographic Performance Assessment	4	12,887	11,332	U
71	0603787N Special Processes	4	88,428	78,209	81,743 U
72	0603790N NATO Research and Development	4	9,381	9,672	11,004 U
73	0603795N Land Attack Technology	4	52,595	58,998	110,104 U
74	0603800N Joint Strike Fighter (JSF) - Dem/Val	4	243,286	449,674	463,402 U
75	0603851M Nonlethal Weapons - Dem/Val	4		16,290	22,592 U

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Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c	Thousands of Dollars	
76	0603852N Arsenal Ship	4	27,317				U
77	0603860N Joint Precision Approach and Landing Systems	4		2,894			U
78	0603889N Counterdrug RDT&E Projects	4	20,027				U
79	0604327N Hard and Deeply Buried Target Defeat System	4		4,839			9,827 U
80	0604707N Space and Electronic Warfare (SEW) Architecture/ Engineering Support	4	6,539	8,395			17,955 U
	Demonstration and Validation		1,904,375	2,219,002			2,358,359
81	0603208N Training System Aircraft	5		391			595 U
82	0603266N AH-1T Composite Rotor Blade (H)	5	68,087				U
83	0604212N Other Helo Development	5	63,218	124,877			231,120 U
84	0604214N AV-8B Aircraft - Eng Dev	5	15,801	10,689			13,787 U
85	0604215N Standards Development	5	24,917	36,804			51,987 U
86	0604217N S-3 Weapon System Improvement	5	8,010	2,097			31,469 U
87	0604218N Air/Ocean Equipment Engineering	5	5,204	5,898			6,162 U
88	0604221N P-3 Modernization Program	5	7,525	12,728			3,046 U
89	0604231N Tactical Command System	5	29,049	41,631			50,713 U
90	0604245N H-1 Upgrades	5		83,608			98,542 U
91	0604261N Acoustic Search Sensors	5	13,657	18,315			29,637 U
92	0604262N V-22A	5	605,641	512,139			355,142 U
93	0604264N Air Crew Systems Development	5	25,596	17,366			9,454 U

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Thousands of Dollars					
94	0604270N EW Development	5	117,809	95,646	128,586 U
95	0604307N Surface Combatant Combat System Engineering	5	85,334	118,543	132,561 U
96	0604310N Arsenal Ship	5		13,462	U
97	0604311N LPD-17 Class Systems Integration	5	4,251	13,944	1,343 U
98	0604312N Tri-Service Standoff Attack Missile	5		3,794	2,064 U
99	0604355N Vertical Launch ASROC	5		8,733	U
100	0604366N Standard Missile Improvements	5	9,199	523	1,320 U
101	0604373N Airborne MCM	5	30,432	17,905	24,967 U
102	0604503N SSN-688 and Trident Modernization	5	56,922	56,024	50,300 U
103	0604504N Air Control	5	12,513	8,947	4,198 U
104	0604507N Enhanced Modular Signal Processor	5	20,733	2,370	1,599 U
105	0604512N Shipboard Aviation Systems	5	9,710	8,931	8,531 U
106	0604516N Ship Survivability	5	3,826	5,900	6,196 U
107	0604518N Combat Information Center Conversion	5	9,574	10,943	4,704 U
108	0604524N Submarine Combat System	5	17,543	17,745	11,710 U
109	0604528N SWATH (Small Waterplane Area Twin Hull)	5		45,000	U
110	0604558N New Design SSN	5	362,413	307,749	218,816 U
111	0604561N SSN-21 Developments	5	70,687	50,307	27,456 U
112	0604562N Submarine Tactical Warfare System	5	21,460	43,066	28,573 U
113	0604567N Ship Contract Design/ Live Fire T&E	5	2,728	89,516	133,645 U

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					Thousands of Dollars
114	0604574N Navy Tactical Computer Resources	5	27,500	33,862	8,249 U
115	0604601N Mine Development	5	2,371	2,270	15 U
116	0604603N Unguided Conventional Air-Launched Weapons	5	30,333	28,020	5,183 U
117	0604610N Lightweight Torpedo Development	5	11,517	18,615	8,106 U
118	0604612M Marine Corps Mine Countermeasures Systems - Eng	5	3,813	912	3,855 U
119	0604618N Joint Direct Attack Munition	5	30,047	12,003	11,738 U
120	0604651M Nonlethal Weapons - EMD	5	9,326		U
121	0604654N Joint Service Explosive Ordnance Development	5	5,609	6,416	7,037 U
122	0604703N Personnel, Training, Simulation, and Human Factor	5	754	992	1,235 U
123	0604710N Navy Energy Program	5	1,903	2,873	5,544 U
124	0604721N Battle Group Passive Horizon Extension System	5	5,199	4,382	5,770 U
125	0604727N Joint Standoff Weapon Systems	5	82,267	77,977	73,022 U
126	0604755N Ship Self Defense - EMD	5	134,751	157,971	148,165 U
127	0604771N Medical Development	5	3,173	16,418	4,321 U
128	0604777N Navigation/ID System	5	49,054	37,460	42,301 U
129	0604784N Distributed Surveillance System	5	54,455	41,586	42,017 U
130	0604805N Commercial Operations and Support Savings	5			28,500 U
	Engineering and Manufacturing Development		2,153,911	2,227,348	2,063,281
131	0604256N Threat Simulator Development	6	22,060	12,479	24,400 U

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Thousands of Dollars

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999
132	0604258N Target Systems Development	6	28,200	43,705	54,800
133	0604759N Major T&E Investment	6	35,952	34,164	17,281
134	0605152N Studies and Analysis Support - Navy	6	7,884	6,124	10,132
135	0605154N Center for Naval Analyses	6	40,474	35,347	44,201
136	0605155N Fleet Tactical Development	6	2,821	2,650	2,748
137	0605502N Small Business Innovative Research	6	121,356		
138	0605804N Technical Information Services	6	4,768	3,166	8,513
139	0605853N Management, Technical & International Support	6	18,985	17,943	28,690
140	0605856N Strategic Technical Support	6	1,882	1,923	2,213
141	0605861N RDT&E Science and Technology Management	6	68,658	54,161	64,455
142	0605862N RDT&E Instrumentation Modernization	6	6,111	8,293	8,530
143	0605863N RDT&E Ship and Aircraft Support	6	50,044	46,971	57,421
144	0605864N Test and Evaluation Support	6	233,014	255,609	260,601
145	0605865N Operational Test and Evaluation Capability	6	7,966	8,773	9,194
146	0605866N Navy Space and Electronic Warfare (SEW) Support	6	2,176	2,521	3,477
147	0605867N SEW Surveillance/Reconnaissance Support	6	11,449	10,573	13,185
148	0605873M Marine Corps Program Wide Support	6	8,618	6,631	7,132
149	0909999N Financing for Cancelled Account Adjustments	6	8,922		
	RDT&E Management Support		681,340	551,033	616,973

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Program Line Element No Number	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
170 0206313M	Marine Corps Communications Systems	7	53,960	40,840	50,594 U
171 0206623M	Marine Corps Ground Combat/Supporting Arms System	7	9,557	13,699	14,699 U
172 0206624M	Marine Corps Combat Services Support	7	7,993	4,857	4,634 U
173 0207161N	Tactical AIM Missiles	7	45,319	57,946	65,855 U
174 0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	2,128	5,479	4,862 U
175 0301303N	Maritime Intelligence	7			
176 0301327N	Technical Reconnaissance and Surveillance	7			
177 0303109N	Satellite Communications (SPACE)	7	32,000	16,256	18,188 U
178 0303140N	Information Systems Security Program	7	22,388	16,773	22,201 U
179 0303150N	WWMCCS/Global Command and Control System	7		484	469 U
180 0304111N	Special Activities	7			
181 0305154N	Defense Airborne Reconnaissance Program	7	7,929		U
182 0305160N	Defense Meteorological Satellite Program (SPACE)	7	16,735	4,753	11,671 U
183 0305188N	Joint C4ISR Battle Center (JBC)	7			5,352 U
184 0305192N	Joint Military Intelligence Programs	7		2,341	2,302 U
185 0305207N	Manned Reconnaissance Systems	7		334	342 U
186 0305927N	Naval Space Surveillance	7	659	387	399 U
187 0702207N	Depot Maintenance (Non-IF)	7			69,967 U
188 0708011N	Industrial Preparedness	7	84,237	53,369	59,060 U
Operational Systems Development					
			1,822,845	1,535,383	1,722,183
Total Research Development Test & Eval Navy					
			7,884,361	7,879,912	8,108,923

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Summary

Date: FEB 1998

Thousands of Dollars

	FY 1997	FY 1998	FY 1999
Summary Recap of Budget Activities			
Basic Research	182,082	196,251	209,395
Applied Research	635,453	567,810	582,023
Advanced Technology Development	452,832	425,844	379,318
Demonstration and Validation	835,385	1,068,821	1,282,962
Engineering and Manufacturing Development	4,520,549	4,152,773	3,751,014
RDT&E Management Support	1,052,866	1,019,415	554,349
Operational Systems Development	6,410,667	6,551,341	6,839,032
Total Research Development Test & Eval AF	14,089,834	13,982,255	13,598,093
Summary Recap of FYDP Programs			
Strategic Forces	29,228	27,870	22,818
General Purpose Forces	1,325,137	1,447,271	1,562,755
Intelligence and Communications	5,028,014	4,990,824	4,971,526
Mobility Forces	79,466	121,201	182,614
Research and Development	7,498,235	7,288,279	6,755,309
Central Supply and Maintenance	104,955	71,585	92,563
Training Medical and Other	1,778	1,258	6,756
Administration and Assoc Activities	13,498	6,285	3,752
Support of Other Nations	9,523	27,682	
Total Research Development Test & Eval AF	14,089,834	13,982,255	13,598,093

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Appropriation: 3600 F Research Development Test & Eval AF

Date: FEB 1998

Line Element No	Program Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars						
1	0601102F	Defense Research Sciences	1	182,082	196,251	209,395 U
Basic Research						
2	0602102F	Materials	2	75,448	69,339	62,578 U
3	0602201F	Aerospace Flight Dynamics	2	62,507	57,446	64,932 U
4	0602202F	Armstrong Lab Exploratory Development	2	86,404	72,118	60,805 U
5	0602203F	Aerospace Propulsion	2	68,860	57,261	69,061 U
6	0602204F	Aerospace Avionics	2	63,953	61,025	65,549 U
7	0602269F	Hypersonic Technology Program	2	9,986	9,305	16,649 U
8	0602601F	Phillips Lab Exploratory Development	2	138,483	118,266	116,139 U
9	0602602F	Conventional Munitions	2	39,222	38,505	41,529 U
10	0602702F	Command Control and Communications	2	90,590	84,545	65,175 U
11	0602805F	Dual Use Applications Program	2			19,606 U
Applied Research						
12	0603106F	Logistics Systems Technology	3	635,453	567,810	582,023
13	0603108F	Integrated Data Systems	3	17,059	14,502	8,677 U
14	0603112F	Advanced Materials for Weapon Systems	3	23,524	18,541	U
15	0603202F	Aerospace Propulsion Subsystems Integration	3	23,919	26,503	21,006 U
16	0603203F	Advanced Avionics for Aerospace Vehicles	3	28,240	23,378	30,814 U
17	0603205F	Flight Vehicle Technology	3	8,734	25,077	26,442 U
					5,441	7,035 U

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Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 e c
Thousands of Dollars					
18	0603211F Aerospace Structures	3	9,398	9,734	12,494 U
19	0603216F Aerospace Propulsion and Power Technology	3	34,464	33,126	38,984 U
20	0603227F Personnel, Training and Simulation Technology	3	6,928	5,668	6,636 U
21	0603231F Crew Systems and Personnel Protection Technology	3	22,191	24,881	16,603 U
22	0603238F Global Surveillance and Communication Technology	3	2,180		U
23	0603245F Flight Vehicle Technology Integration	3	5,948	6,062	7,674 U
24	0603253F Advanced Avionics Integration	3	14,107	12,012	10,536 U
25	0603270F Electronic Combat Technology	3	26,133	32,540	25,553 U
26	0603302F Space and Missile Rocket Propulsion	3	22,137	17,249	21,121 U
27	0603311F Ballistic Missile Technology	3	3,253	7,537	U
28	0603401F Advanced Spacecraft Technology	3	72,925	54,899	42,571 U
29	0603410F Space Systems Environmental Interactions Technology	3	2,528	3,012	3,457 U
30	0603601F Conventional Weapons Technology	3	25,279	21,622	23,244 U
31	0603605F Advanced Weapons Technology	3	55,467	50,832	40,153 U
32	0603707F Weather Systems Technology	3	3,175	1,943	1,568 U
33	0603723F Environmental Engineering Technology	3	7,412	3,786	2,663 U
34	0603726F C3I Subsystem Integration	3	8,167	9,364	11,025 U
35	0603728F Advanced Computing Technology	3	7,558	5,270	7,827 U
36	0603789F C3 Advanced Development	3	9,103	12,865	13,235 U
37	0305176F Combat Survivor Evader Locator	3	13,003		U
Advanced Technology Development			452,832	425,844	379,318

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Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
38	0603260F Intelligence Advanced Development	4	4,478	4,489	4,615 U
39	0603319F Airborne Laser Program	4	56,037	151,439	292,219 U
40	0603430F Advanced MILSATCOM (SPACE)	4	32,403	38,307	54,413 U
41	0603432F Polar Adjunct (SPACE)	4	59,439	14,511	41,508 U
42	0603434F National Polar-orbiting Operational Environmental	4	27,622	31,438	64,732 U
43	0603441F Space Based Infrared Architecture (SPACE) - Dem	4	252,492	202,433	160,262 U
44	0603617F Command, Control, and Communication Applications	4	3,992	7,232	7,770 U
45	0603742F Combat Identification Technology	4	1,936	1,276	6,177 U
46	0603790F NATO Research and Development(H)	4	9,767	10,414	11,117 U
47	0603800F Joint Strike Fighter	4	251,626	432,277	456,137 U
48	0603851F Intercontinental Ballistic Missile - Dem/Val	4	45,961	46,372	29,360 U
49	0603852F C-130J - Dem/Val	4		3,741	U
50	0603853F Evolved Expendable Launch Vehicle Program (SPACE)	4	44,263	60,437	U
51	0603854F Global Broadcast Service	4	33,094	54,089	70,147 U
52	0603855F Space Architect Office	4	10,939		U
53	0603856F Air Force/NRO Partnership (AFNP)	4			17,645 U
54	0603860F Joint Precision Approach and Landing Systems	4			22,057 U
55	0603876F Space-Based Laser	4			35,000 U
56	0604237F Variable Stability In-Flight Simulator Test	4	1,336	5,650	U
57	0604327F Hard and Deeply Buried Target Defeat System	4		4,716	9,803 U
Demonstration and Validation			835,385	1,068,821	1,282,962

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Program Line No	Element Number	Item	Act	FY 1997	FY 1998	FY 1999 c
			Thousands of Dollars			
58	0604201F	Integrated Avionics Planning and Development	5	14,202	15,406	10,762 U
59	0604218F	Engine Model Derivative Program (EMDP)	5	1,474	701	U
60	0604222F	Nuclear Weapons Support	5	6,124	4,456	4,977 U
61	0604226F	B-1B	5	207,386	208,222	195,385 U
62	0604227F	Training Systems Development	5	4,241	4,061	1,961 U
63	0604233F	Specialized Undergraduate Pilot Training	5	63,975	67,866	55,563 U
64	0604239F	F-22 EMD	5	1,888,985	1,958,915	1,582,217 U
65	0604240F	B-2 Advanced Technology Bomber	5	585,612	335,254	131,247 U
66	0604243F	Manpower, Personnel and Training Development	5	4,132	4,112	U
67	0604270F	EW Development	5	93,797	75,700	90,126 U
68	0604321F	Combat Intelligence System - EMD	5	2,786		U
69	0604441F	Space Based Infrared System (SBIRS) High EMD	5	193,018	316,467	538,438 U
70	0604442F	Space Based Infrared System (SBIRS) Low EMD	5			33,328 U
71	0604479F	Milstar LDR/MDR Satellite Communications (SPACE)	5	659,656	628,027	550,940 U
72	0604480F	Global Positioning System Block IIF (SPACE)	5	36,426	66,918	62,591 U
73	0604600F	Munitions Dispenser Development	5	46,142	17,519	7,559 U
74	0604602F	Armament/Ordnance Development	5	3,477	1,511	12,037 U
75	0604604F	Submunitions	5	4,761	4,748	4,805 U
76	0604611F	Joint Standoff Land Attack Missile (JSLAM)	5		40,622	U
77	0604617F	Air Base Operability	5	2,776	1,260	2,503 U

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Department of the Air Force
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test & Eval AF

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
78 0604618F	Joint Direct Attack Munition	5	32,932	21,896	12,204 U
79 0604703F	Aeromedical/Chemical Defense Systems	5	4,498	3,907	3,336 U
80 0604706F	Life Support Systems	5	10,289	4,301	3,744 U
81 0604708F	Civil, Fire, Environmental, Shelter Engineering	5	2,613	2,526	2,715 U
82 0604711F	Systems Survivability (Nuclear Effects)	5	35		U
83 0604727F	Joint Standoff Weapons Systems	5	22,039	21,992	15,134 U
84 0604735F	Combat Training Ranges	5	26,490	19,131	14,581 U
85 0604740F	Computer Resource Technology Transition (CRTT)	5	1,805	4,157	200 U
86 0604750F	Intelligence Equipment	5	1,013	1,223	1,300 U
87 0604754F	Joint Tactical Information Distribution System	5	29,127	7,374	7,956 U
88 0604762F	Common Low Observables Verification System	5			4,901 U
89 0604770F	Joint Surveillance/Target Attack Radar System	5	206,130		U
90 0604779F	Joint Interoperability of Tactical Command & Control Systems	5	4,697	4,972	5,823 U
91 0604805F	Commercial Operations and Support Savings	5			27,937 U
92 0604851F	Intercontinental Ballistic Missile - EMD	5	199,219	143,913	81,546 U
93 0604853F	Evolved Expendable Launch Vehicle Program (SPACE)	5		26,572	280,297 U
94 0605011F	RDT&E for Aging Aircraft	5			4,901 U
95 0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	5	160,692	123,460	U
96 0207414F	Combat Intelligence System	5		11,590	U
97 0305176F	Combat Survivor Evader Locator	5		3,994	U
Engineering and Manufacturing Development			4,520,549	4,152,773	3,751,014

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Department of the Air Force
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 3600 F Research Development Test & Eval AF		Date: FEB 1998		Thousands of Dollars		
Program Line Element No Number	Item	Act	FY 1997	FY 1998	FY 1999 e	
98 0603402F	Space Test Program (SPACE)	6	46,367	38,696		U
99 0604256F	Threat Simulator Development	6	56,456	51,501	32,582	U
100 0604258F	Target Systems Development	6	4,626	4,491	1,666	U
101 0604759F	Major T&E Investment	6	29,440	53,364	34,518	U
102 0605101F	RAND Project Air Force	6	21,236	18,370	21,168	U
103 0605306F	Ranch Hand II Epidemiology Study	6	8,827	10,285	4,408	U
104 0605502F	Small Business Innovation Research	6	212,854	208,848		U
105 0605704F	Theater Air Defense BMC4I	6	11,990			U
106 0605712F	Initial Operational Test & Evaluation	6	21,744	27,153	24,541	U
107 0605807F	Test and Evaluation Support	6	413,892	372,496	370,168	U
108 0605808F	Development Planning	6	6,401	4,270	6,075	U
109 0605853F	Environmental Conservation	6	10,412	11,276		U
110 0605854F	Pollution Prevention	6	19,723	9,251	1,673	U
111 0605856F	Environmental Compliance	6	21,829	16,159		U
112 0605860F	Rocket Systems Launch Program (SPACE)	6	32,165	26,348	7,865	U
113 0605864F	Space Test Program (STP)	6			45,933	U
114 0605876F	Minor Construction (RPM) - RDT&E	6		1,792		U
115 0605878F	Maintenance and Repair (RPM) - RDT&E	6		50,301		U
116 0605879F	Real Property Services (RPS) - RDT&E	6		47,994		U
117 0605896F	Base Operations - RDT&E	6	127,667	63,229		U

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Exhibit R-1

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Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
118	0909900F Financing for Expired Account Adjustments	6	7,237	3,591	3,752 U
119	1001004F International Activities	6			
RDT&E Management Support					
120	0101113F B-52 Squadrons	7	10,594	3,235	6,436 U
121	0101120F Advanced Cruise Missile	7	1,105	2,314	U
122	0102325F Joint Surveillance System	7	3,654	1,831	2,175 U
123	0102326F Region/Sector Operation Control Center	7	8,921	19,233	13,592 U
124	0102411F North Atlantic Defense System	7	4,954	1,257	615 U
125	0207131F A-10 Squadrons	7			2,312 U
126	0207133F F-16 Squadrons	7	125,489	95,333	125,076 U
127	0207134F F-15E Squadrons	7	152,353	129,774	104,207 U
128	0207136F Manned Destructive Suppression	7	13,130	12,259	2,443 U
129	0207141F F-117A Squadrons	7	11,777	8,964	5,147 U
130	0207161F Tactical AIM Missiles	7	29,245	51,199	52,966 U
131	0207163F Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	9,704	39,875	45,078 U
132	0207217F Podded Reconnaissance System	7	6,127	282	U
133	0207247F AF TENCAP	7	18,172	14,233	6,447 U
134	0207248F Special Evaluation Program	7	34,922	69,162	92,551 U
135	0207268F Aircraft Engine Component Improvement Program	7	92,636	98,058	92,069 U

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Line No	Program Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
			Thousands of Dollars			
136	0207320F	Sensor Fused Weapons	7	18,664	16,437	3,551 U
137	0207323F	AGM-86C Conventional Air-Launched Cruise Missile	7	1,722		U
138	0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	7			132,870 U
139	0207412F	Theater Air Control Systems	7	589	377	431 U
140	0207414F	Combat Intelligence System	7			9,802 U
141	0207417F	Airborne Warning and Control System (AWACS)	7	55,004	43,606	28,189 U
142	0207419F	Tactical Airborne Command and Control Systems	7	71		U
143	0207423F	Advanced Communications Systems	7	1,646	2,728	2,348 U
144	0207424F	Evaluation and Analysis Program	7	75,534	68,353	84,950 U
145	0207431F	Combat Air Intelligence System Activities	7	7,373		U
146	0207433F	Advanced Program Technology	7	68,210	93,902	74,707 U
147	0207438F	Theater Battle Management (TBM) C4I	7	32,712	24,778	27,292 U
148	0207440F	Tactical Air Control System for Counternarcotics	7	1,245		U
149	0207581F	Joint Surveillance and Target Attack Radar System	7		118,335	123,793 U
150	0207590F	Seek Eagle	7	13,550	16,909	17,590 U
151	0207591F	Advanced Program Evaluation	7	180,983	209,935	272,914 U
152	0207601F	USAF Modeling and Simulation	7	25,505	19,807	14,899 U
153	0207605F	Wargaming and Simulation Centers	7			5,287 U
154	0208006F	Mission Planning Systems	7	17,606	14,747	17,090 U
155	0208019F	Tactical Information Program (TIP)	7			10,685 U

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Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
156	0208021F Information Warfare Support	7	1,273	1,299	1,375 U
157	0208030F War Reserve Materiel - Ammunition	7	670		U
158	0208031F War Reserve Materiel - Equipment/Secondary Items	7			1,470 U
159	0208060F Theater Missile Defenses	7	21,740	26,873	31,057 U
160	0208160F Technical Evaluation System	7	107,804	96,922	113,040 U
161	0208161F Special Evaluation System	7	38,989	38,074	61,119 U
162	0301310F Foreign Technology Division	7	3,160	874	1,234 U
163	0301315F Missile and Space Technical Collection	7	39,689	8,794	18,595 U
164	0301324F FOREST GREEN	7			
165	0301398F Management Headquarters GDIP	7		1,816	1,241 U
166	0302015F E-4B National Airborne Operations Center (NAOC)	7			4,233 U
167	0303110F Defense Satellite Communications System (SPACE)	7	30,098	9,961	15,641 U
168	0303131F Minimum Essential Emergency Communications	7	23,307	32,399	39,230 U
169	0303140F Information Systems Security Program	7	6,667	4,961	8,420 U
170	0303141F Global Combat Support System	7	14,943	19,745	17,973 U
171	0303144F Joint Spectrum Center (JSC)	7	7,295	7,588	U
172	0303150F Global Command and Control System	7			13,675 U
173	0303152F World-Wide Military Command and Control Systems	7	7,277	6,741	U
174	0303601F Milstar Satellite Communications System (SPACE)	7	21,752	11,450	2,352 U
175	0304111F Special Activities	7			

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Date: FEB 1998

Program Line Element No Number	Item	Act	FY 1997	FY 1998	FY 1999 c
					Thousands of Dollars
176 0304311F	Selected Activities	7		2,902	3,000 U
177 0305099F	Global Air Traffic Management (GATM)	7			27,056 U
178 0305110F	Satellite Control Network (SPACE)	7	67,804	73,496	56,622 U
179 0305111F	Weather Service	7	4,801	8,411	10,649 U
180 0305114F	Air Traffic Control, Approach, and Landing System	7	7,337	5,928	4,729 U
181 0305119F	Medium Launch Vehicles (SPACE)	7	10,999	5,130	7,375 U
182 0305128F	Security and Investigative Activities	7	275	3,325	458 U
183 0305137F	National Airspace System (NAS) Plan	7	11,818	11,917	1,881 U
184 0305138F	Inertial Upper Stage (IUS)	7	1,505	3,150	558 U
185 0305142F	Applied Technology and Integration	7			
186 0305144F	Titan Space Launch Vehicles (SPACE)	7	77,702	70,483	87,443 U
187 0305145F	Arms Control Implementation	7	27,795		U
188 0305154F	Defense Airborne Reconnaissance Program	7	4,742		U
189 0305158F	Tactical Terminal	7	2,794	243	237 U
190 0305160F	Defense Meteorological Satellite Program (SPACE)	7	17,618	12,425	20,432 U
191 0305164F	NAVSTAR Global Positioning System (User	7	33,760	43,627	67,238 U
192 0305165F	NAVSTAR Global Positioning System (Space and	7	40,875	25,146	21,155 U
193 0305172F	Control Segments Combined Advanced Applications	7			
194 0305182F	Eastern Space Launch Facility (ESLF) (SPACE)	7	33,900	32,018	24,578 U
195 0305205F	Endurance Unmanned Aerial Vehicles	7		14,147	4,307 U

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Department of the Air Force
FY 1999 RDT&E Program

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Appropriation: 3600 F Research Development Test & Eval AF

Date: FEB 1998

Program Line No	Element Number	Item	Act	Thousands of Dollars			FY 1999 c
				FY 1997	FY 1998		
196	0305207F	Manned Reconnaissance Systems	7		11,360		U
197	0305906F	NCMC - TW/AA System	7	26,717	6,726		7,878 U
198	0305910F	SPACETRACK (SPACE)	7	32,794	38,432		39,532 U
199	0305911F	Defense Support Program (SPACE)	7	24,668	20,689		12,037 U
200	0305913F	NUDET Detection System (SPACE)	7	12,818	13,360		13,314 U
201	0305917F	Space Architect	7		13,480		13,714 U
202	0305953F	Evolved Expendable Launch Vehicle (EELV) (Space)	7				3,316 U
203	0308601F	Modeling and Simulation Support	7				1,093 U
204	0401119F	C-5 Airlift Squadrons	7	1,122	9,160		47,940 U
205	0401130F	C-17 Aircraft	7	71,365	104,568		123,069 U
206	0401214F	Air Cargo Material Handling (463-L) (Non-IF)	7	3,100	5,610		512 U
207	0401218F	KC-135s	7	714	1,863		11,093 U
208	0404102F	Aerospace Rescue and Recovery	7	3,165			U
209	0702207F	Depot Maintenance (Non-IF)	7	1,375	1,397		1,500 U
210	0708011F	Industrial Preparedness	7	48,615	45,020		50,997 U
211	0708026F	Productivity, Reliability, Availability, Maintain. Prog Ofc	7	15,856	21,764		970 U
212	0708071F	Joint Logistics Program - Ammunition Standard	7	13,780			16,086 U
213	0708611F	Support Systems Development	7	25,329	3,404		23,010 U
214	0804734F	Cryptologic/SIGINT-Related Skill Training	7	1,778	1,258		U
215	0901218F	Civilian Compensation Program	7	6,261	6,285		6,756 U

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Department of the Air Force
FY 1999 RDT&E Program

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Appropriation: 3600 F Research Development Test & Eval AF		Date: FEB 1998		Thousands of Dollars		
Line No	Program Element Number	Item	Act	FY 1997	FY 1998	FY 1999 c
216	1001004F	International Activities	7	3,548		U
217	1001018F	NATO Joint STARS	7	5,975	24,091	U
		Operational Systems Development		6,410,667	6,551,341	6,839,032
Total		Research Development Test & Eval AF		14,089,834	13,982,255	13,598,093

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Defensewide
FY 1999 RDT&E Program

Exhibit R-1

Summary

Date: FEB 1998

Thousands of Dollars

	FY 1997	FY 1998	FY 1999
Summary Recap of Budget Activities			

Basic Research	329,469	326,202	338,393
Applied Research	1,130,113	1,280,559	1,401,820
Advanced Technology Development	2,070,700	2,164,209	1,726,555
Demonstration and Validation	2,584,713	2,545,936	2,408,913
Engineering and Manufacturing Development	716,135	656,631	903,132
RDT&E Management Support	286,001	223,970	246,410
Operational Systems Development	2,195,458	2,298,726	2,289,442

Total Research Development Test & Eval Defwide	9,312,589	9,496,233	9,314,665

Summary Recap of FYDP Programs			

General Purpose Forces	26,575	26,853	28,143
Intelligence and Communications	2,007,774	2,074,151	2,052,347
Research and Development	7,128,310	7,183,982	7,015,692
Central Supply and Maintenance	6,101	26,013	26,231
Administration and Assoc Activities	2,198	32,348	34,392
Support of Other Nations			1,957
Special Operations Forces	141,631	152,886	155,903

Total Research Development Test & Eval Defwide	9,312,589	9,496,233	9,314,665

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 Defensewide
 FY 1999 RDT&E Program

Exhibit R-1

Summary

Date: FEB 1998

Thousands of Dollars

	FY 1997	FY 1998	FY 1999
Summary Recap of Defensewide			
Special Operations Command	141,631	152,886	155,903
Chemical and Biological Defense Program	301,792	344,722	336,365
National Imagery And Mapping Agency			
Def Threat Red & Treaty Compln Agency			360,890
Ballistic Missile Defense Organization	3,360,278	3,281,730	3,178,940
Office of Secretary/Defense	1,569,611	1,588,611	1,407,556
Defense Advanced Research Projects Agcy	2,069,971	2,040,819	2,039,722
National Security Agency			
Defense Special Weapons Agency	214,511	284,550	
Defense Support Project Office	78,039	50,804	40,504
Joint Chiefs of Staff	38,520	53,976	69,495
Defense Information Systems Agency	62,668	52,934	128,042
Defense Intelligence Agency			
Defense Logistics Agency	88,619	155,959	63,277
Defense Security Assistance Agency			14,360
Undistributed	-38,000		
Defense Security Service	411	406	418
Total Research Development Test & Eval Defwide	9,312,589	9,496,233	9,314,665

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Defensewide
FY 1999 RDT&E Program

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Appropriation: 0400 D Research Development Test & Eval Defwide Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 e c
Thousands of Dollars					
1	0601101D8Z In-House Laboratory Independent Research	1	3,074	1,513	2,173 U
2	0601101E Defense Research Sciences	1	89,365	68,332	65,102 U
3	0601103D8Z University Research Initiatives	1	208,656	222,628	216,320 U
4	0601105D8Z Gulf War Illness	1			19,646 U
5	0601111D8Z Government/Industry Cosponsorship of University	1		7,393	9,870 U
6	0601384BP Chemical and Biological Defense Program	1	28,374	26,336	25,282 U
Basic Research					
7	0602110E Next Generation Internet	2	329,469	326,202	338,393
8	0602173C Support Technologies - Applied Research	2	122,176	109,628	86,866 U
9	0602227D8Z Medical Free Electron Laser	2	19,432	20,103	9,706 U
10	0602228D8Z Historically Black Colleges and Universities	2	10,594	11,080	U
11	0602234D8Z Lincoln Laboratory Research Program	2	19,561	17,708	19,641 U
12	0602301E Computing Systems and Communications Technology	2	304,766	309,037	417,723 U
13	0602383E Biological Warfare Defense	2		60,805	88,000 U
14	0602384BP Chemical and Biological Defense Program	2	70,829	72,181	57,683 U
15	0602702E Tactical Technology	2	123,523	148,331	188,995 U
16	0602708E Integrated Command and Control Technology	2	58,824	45,695	34,000 U
17	0602712E Materials and Electronics Technology	2	203,887	231,353	244,408 U
18	0602715BR WMD Related Technologies	2			203,598 U

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Defensewide
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defensewide

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
19	0602715H Defense Special Weapons Agency	2	186,726	203,642	U
20	0602787D8Z Medical Technology	2	7,981	8,669	9,239 U
21	0305108K Command and Control Research	2	1,814	1,874	1,961 U
Applied Research					
22	0603002D8Z Medical Advanced Technology	3	3,187	2,672	2,136 U
23	0603104D8Z Explosives Demilitarization Technology	3	11,189	11,711	11,650 U
24	0603120D8Z Demining	3	13,256	15,918	U
25	0603121D8Z Alternative to Landmines	3		2,856	4,753 U
26	0603122D8Z Counterterror Technical Support	3	24,599	39,036	35,813 U
27	0603160BR Counterproliferation Support - Adv Dev	3			70,611 U
28	0603160D8Z Counterproliferation Support - Adv Dev	3	61,840	65,212	U
29	0603173C Support Technologies - Advanced Technology	3	248,011	299,788	166,676 U
30	0603225D8Z Joint DoD-DoE Munitions Technology Development	3	17,261	16,909	13,447 U
31	0603232D8Z Automatic Target Recognition	3	4,391	6,487	5,081 U
32	0603384BP Chemical and Biological Defense Program	3	59,408	48,349	42,762 U
33	0603704D8Z Special Technical Support	3	16,785	11,224	11,337 U
34	0603711BR Verification Technology Demonstration	3			63,052 U
35	0603711H Verification Technology Demonstration	3	27,785	80,908	U
36	0603712S Generic Logistics R&D Technology Demonstrations	3	19,220	21,554	17,788 U

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Defensewide
FY 1999 RDT&E Program

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Date: FEB 1998

Appropriation: 0400 D Research Development Test & Eval Defwide

Program Line Element No Number	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
37	0603716D8Z Strategic Environmental Research Program	3	52,770	57,115	U
38	0603727D8Z Joint Warfighting Program	3		8,761	23,700 U
39	0603728D8Z Agile Port Demonstration	3	4,500	4,778	U
40	0603729D8Z Rocket Launch Facility Upgrades	3	9,433		U
41	0603730D8Z Airfield Surface Traffic Monitoring	3	1,382		U
42	0603738D8Z Cooperative DoD/VA Medical Research	3	23,809	14,421	U
43	0603739E Advanced Electronics Technologies	3	342,243	281,909	244,737 U
44	0603746E Maritime Technology	3	47,347	36,030	15,000 U
45	0603747E Electric Vehicles	3	14,693	14,522	U
46	0603750D8Z Advanced Concept Technology Demonstrations	3	57,070	77,455	116,330 U
47	0603752D8Z Commercial Technology Insertion Program	3	9,500	19,105	U
48	0603753S Electronic Commerce Resource Centers	3		46,421	U
49	0603755D8Z High Performance Computing Modernization Program	3	119,092	143,176	140,927 U
50	0603760E Command, Control and Communications Systems	3	98,840	150,010	200,100 U
51	0603761E Communication and Simulation Technology	3	124,961	74,212	56,114 U
52	0603762E Sensor and Guidance Technology	3	104,299	167,184	213,154 U
53	0603763E Marine Technology	3	41,185	19,626	24,788 U
54	0603764E Land Warfare Technology	3	62,381	80,924	108,490 U
55	0603765E Classified DARPA Programs	3	172,895	129,411	55,500 U
56	0603800E Joint Strike Fighter (JSF) - Dem/Val	3	70,261	23,019	U

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Defensewide
FY 1999 RDT&E Program

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Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
57	0603805E Dual Use Applications Programs	3	123,168	120,395	U
58	0603805S Dual Use Application Programs	3	5,000		6,000 U
59	0603832D8Z Joint Wargaming Simulation Management Office	3	56,945	61,460	70,696 U
60	0303132G Global Grid Communications	3			
61	0304211G National Activities	3			
62	0305166G Special Development	3			
Advanced Technology Development					
63	0603228D8Z Physical Security Equipment	4	2,070,700	2,164,209	1,726,555
64	0603708D8Z Integrated Diagnostics	4	23,095	17,939	31,792 U
65	0603709D8Z Joint Robotics Program	4	9,255	6,257	3,436 U
66	0603714D8Z Advanced Sensor Applications Program	4	27,972	27,085	16,217 U
67	0603736D8Z CALS Initiative	4	24,683	17,655	15,147 U
68	0603790D8Z NATO Research and Development	4	15,105	5,525	1,863 U
69	0603790T NATO Research and Development	4	9,312	8,245	U
70	0603851D8Z Environmental Security Technical Certification	4	21,021	14,566	10,762 U
71	0603857J All Service Combat Identification Evaluation Team	4			17,051 U
72	0603861C Theater High-Altitude Area Defense System - TMD	4	549,579	390,785	13,014 U
73	0603867C Navy Area	4	157,028		497,752 U
74	0603868C Navy Theater Wide	4	304,171	419,414	U

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Defensewide
FY 1999 RDT&E Program

Exhibit R-1

Date: FEB 1998

Appropriation: 0400 D Research Development Test & Eval Defwide

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
75	0603869C Meads Concepts - Dem/Val	4	58,825	46,144	43,027 U
76	0603870C Boost Phase Intercept Theater Missile Defense	4	22,755	15,766	U
77	0603871C National Missile Defense - Dem/Val	4	811,416	941,142	950,473 U
78	0603872C Joint Theater Missile Defense - Dem/Val	4	493,429	582,000	176,846 U
79	0603873C Family-of Systems Engineering and Integration	4			96,915 U
80	0603874C BMD Technical Operations	4			190,147 U
81	0603875C International Cooperative Programs	4			50,676 U
82	0603876C Threat and Countermeasures	4			22,113 U
83	0603884BP Chemical and Biological Defense Program - Dem/Val	4	45,133	53,413	60,404 U
84	0603892D8Z ASAT	4	48,736		U
85	0603920D8Z Humanitarian Demining	4			17,234 U
86	0605104T Technical Studies, Support and Analysis	4			980 U
87	0605110T Critical Technology Support	4			2,618 U
88	0208043J ISLAND SUN	4	1,198		U
89	0904901U Undistributed Adjustments	4	-38,000		U
	Demonstration and Validation				
90	0604160D8Z Counterproliferation Support - EMD	5	2,300		U
91	0604384BP Chemical and Biological Defense Program - EMD	5	78,709	126,302	125,312 U
92	0604709D8Z Joint Robotics Program - Eng Dev	5			11,307 U

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Defensewide
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide Date: FEB 1998

Thousands of Dollars

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 e
93	0604764K Advanced IT Services Joint Program Office (AIRTS-	5			15,588 U
94	0604771D8Z Joint Tactical Information Distribution System	5	42,238	53,266	30,512 U
95	0604805D8Z Commercial Operations and Support Savings	5			13,410 U
96	0604861C Theater High-Altitude Area Defense System - TMD	5	66,737		323,942 U
97	0604865C Patriot PAC-3 Theater Missile Defense Acquisition	5	382,808	198,273	137,265 U
98	0604867C Navy Area Theater Missile Defense - EMD	5	143,343	278,790	245,796 U
	Engineering and Manufacturing Development		716,135	656,631	903,132
99	0603858D8Z Unexploded Ordnance Detection and Clearance	6			1,273 U
100	0604942D8Z Assessments and Evaluations	6		4,655	3,916 U
101	0605104D8Z Technical Studies, Support and Analysis	6	29,583	29,178	30,021 U
102	0605110D8Z USD(A&T)--Critical Technology Support	6	2,608	2,584	U
103	0605114E BLACK LIGHT	6	4,518	4,532	5,000 U
104	0605117D8Z Foreign Material Acquisition and Exploitation	6	39,300	35,996	35,035 U
105	0605122D8Z Industrial Capabilities Assessments	6			2,937 U
106	0605126J Joint Theater Air and Missile Defense Organizatio	6		14,374	17,423 U
107	0605128BR Classified Programs	6			13,755 U
108	0605128D8Z Classified Program USD(P)	6	10,822	8,720	U
109	0605160BR Counterproliferation Support	6			9,874 U
110	0605160D8Z Counterproliferation Support	6	8,346	6,768	U

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Defensewide
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999	Thousands of Dollars	-----S e c
111	0605384BP Chemical and Biological Defense Program	6	19,339	18,141	24,922	U	
112	0605502D8Z Small Business Innovative Research	6	26,667			U	
113	0605502E Small Business Innovative Research	6	45,660			U	
114	0605710D8Z Classified Programs - C3I	6	2,164	343	439	U	
115	0605790D8Z Small Business Innovation Research Administration	6	1,541	1,669	1,820	U	
116	0605798S Defense Technology Analysis	6	13,096	8,542	5,010	U	
117	0605801K Defense Technical Information Services (DTIC)	6			46,469	U	
118	0605801S Defense Technical Information Center	6	43,315	45,413		U	
119	0605803S R&D in Support of DoD Enlistment, Testing	6	1,887	8,016	8,248	U	
120	0605898E Management Headquarters (Research and Development	6	35,340	35,039	38,611	U	
121	0305190D8Z C3I Intelligence Programs	6			1,657	U	
122	0909900E Financing for Expired Account Adjustments	6	1,815			U	
RDT&E Management Support			286,001	223,970	246,410		
123	0208045K C3 Interoperability	7	24,391	24,913	26,296	U	
124	0208052J Joint Analytical Model Improvement Program	7	986	1,940	1,847	U	
125	0301011G Cryptologic Activities	7					
126	0301301L General Defense Intelligence Program	7					
127	0302016K National Military Command System-Wide Support	7	1,950	1,688	1,189	U	
128	0302019K Defense Info Infrastructure Engineering	7	4,531	4,119	4,975	U	

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Defensewide
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c	Thousands of Dollars	S
129	0303126K Long-Haul Communications (DCS)	7	22,613	13,693	11,561	U	
130	0303127K Support of the National Communications System	7	3,808	4,405	4,428	U	
131	0303129K Defense Message System	7	1,353			U	
132	0303131K Minimum Essential Emergency Communications	7	2,208	2,242	3,061	U	
133	0303140G Information Systems Security Program	7	202,080	243,177	239,081	U	
134	0303149J C4I for the Warrior	7	2,502	2,506	2,819	U	
135	0303149K C4I for the Warrior	7			3,675	U	
136	0303153K Joint Spectrum Center	7			8,839	U	
137	0304345BQ National Imagery and Mapping Program	7					
138	0305102BQ Defense Imagery and Mapping Program	7	101,988	115,468	114,417	U	
139	0305127V Foreign Counterintelligence Activities	7	411	406	418	U	
140	0305154D8Z Defense Airborne Reconnaissance Program	7	454,411			U	
141	0305154G Defense Airborne Reconnaissance Program	7	3,459			U	
142	0305159I Defense Reconnaissance Support Activities (SPACE)	7	78,039	50,804	40,504	U	
143	0305188J Joint C4ISR Battle Center (JBC)	7	2,829	2,808		U	
144	0305190D8Z C3I Intelligence Programs	7	6,767	5,978	8,015	U	
145	0305204D8Z Tactical Unmanned Aerial Vehicles	7		52,148	37,192	U	
146	0305205D8Z Endurance Unmanned Aerial Vehicles	7		184,380	178,668	U	
147	0305206D8Z Airborne Reconnaissance Systems	7		188,445	162,666	U	
148	0305207D8Z Manned Reconnaissance Systems	7		26,581	10,840	U	

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Defensewide
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Thousands of Dollars

Program Line Element No Number	Item	Act	FY 1997	FY 1998	FY 1999 e c
149	0305207G Manned Reconnaissance Systems	7		4,256	4,085 U
150	0305208D8Z Distributed Common Ground Systems	7		36,022	34,985 U
151	0305209D8Z DARP Integration and Support	7		7,216	15,701 U
152	0305884L Intelligence Planning and Review Activities	7			
153	0305885G Tactical Cryptologic Activities	7	99,987	92,660	104,510 U
154	0305889G Counterdrug Intelligence Support	7	9,054		U
155	0305898L Management Headquarters (Auxiliary Forces)	7	1,849	1,864	U
156	0708011S Industrial Preparedness	7	6,101	26,013	26,231 U
157	0902298J Management Headquarters (OJCS)	7	9,985	8,905	9,617 U
158	0902740J Joint Simulation System	7	21,020	23,443	24,775 U
159	0909999D8Z Financing for Cancelled Account Adjustments	7	7,378		U
160	1001017D8Z Partnership for Peace Activities	7			1,957 U
161	1160279BB Small Business Innovative Research/Small Bus Tech	7	3,017	3,147	U
162	1160401BB Special Operations Technology Development	7	5,743	3,917	4,026 U
163	1160402BB Special Operations Advanced Technology Development	7	7,536	8,140	8,020 U
164	1160404BB Special Operations Tactical Systems Development	7	92,153	99,654	106,238 U
165	1160405BB Special Operations Intelligence Systems	7	2,092	10,305	1,805 U
166	1160407BB SOF Medical Technology Development	7	1,789	1,883	2,015 U
167	1160408BB SOF Operational Enhancements	7	29,301	25,840	33,799 U
	Operational Systems Development		2,195,458	2,298,726	2,289,442
	Total Research Development Test & Eval Defwide		9,312,589	9,496,233	9,314,665

Total Research Development Test & Eval Defwide

9,314,665
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Defensewide
FY 1999 RDT&E Program

Exhibit R-1

Summary

Date: FEB 1998

Thousands of Dollars

	FY 1997	FY 1998	FY 1999
Summary Recap of Budget Activities			
RDT&E Management Support	275,792	245,725	251,106
Total Developmental Test & Eval, Defense	275,792	245,725	251,106
Summary Recap of FYDP Programs			
Research and Development	275,792	245,725	251,106
Total Developmental Test & Eval, Defense	275,792	245,725	251,106

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Defensewide
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0450 D Developmental Test & Eval, Defense

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c	
						Thousands of Dollars
1	0604940D8Z Central Test and Evaluation Investment	6	142,809	118,718	122,169	U
2	0605130D8Z Foreign Comparative Testing	6	32,851	32,657	32,684	U
3	0605804D8Z Development Test and Evaluation	6	100,132	94,350	96,253	U
	RDT&E Management Support		275,792	245,725	251,106	
	Total Developmental Test & Eval, Defense		275,792	245,725	251,106	

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Defensewide
FY 1999 RDT&E Program

Exhibit R-1

Summary

Date: FEB 1998

Thousands of Dollars

	FY 1997	FY 1998	FY 1999
Summary Recap of Budget Activities			
RDT&E Management Support	24,219	29,794	25,245
Total Operational Test & Evaluation, Defense	24,219	29,794	25,245
Summary Recap of FYDP Programs			
Research and Development	24,219	29,794	25,245
Total Operational Test & Evaluation, Defense	24,219	29,794	25,245

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Defensewide
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0460 D Operational Test & Evaluation, Defense

Date: FEB 1998

Program Line Element No Number	Item	Act ---	FY 1997 -----	FY 1998 -----	FY 1999 c -----	Thousands of Dollars -----S
1	0605118D8Z Operational Test and Evaluation	6	11,437	16,154	15,311	U
2	0605131D8Z Live Fire Testing	6	12,782	13,640	9,934	U
	RDT&E Management Support		24,219	29,794	25,245	
Total	Operational Test & Evaluation, Defense		24,219	29,794	25,245	

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Special Operations Command
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Program Line Element No Number	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
161	1160279BB Small Business Innovative Research/Small Bus Tech	7	3,017	3,147	U
162	1160401BB Special Operations Technology Development	7	5,743	3,917	4,026 U
163	1160402BB Special Operations Advanced Technology Development	7	7,536	8,140	8,020 U
164	1160404BB Special Operations Tactical Systems Development	7	92,153	99,654	106,238 U
165	1160405BB Special Operations Intelligence Systems	7	2,092	10,305	1,805 U
166	1160407BB SOF Medical Technology Development	7	1,789	1,883	2,015 U
167	1160408BB SOF Operational Enhancements	7	29,301	25,840	33,799 U
Operational Systems Development					
			141,631	152,886	155,903
Total Special Operations Command					
			141,631	152,886	155,903

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Chemical and Biological Defense Program
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Program Line Element No Number	Item	Act	FY 1997	FY 1998	FY 1999 c
					Thousands of Dollars
6	0601384BP Chemical and Biological Defense Program	1	28,374	26,336	25,282 U
Basic Research					
14	0602384BP Chemical and Biological Defense Program	2	70,829	72,181	57,683 U
Applied Research					
32	0603384BP Chemical and Biological Defense Program	3	59,408	48,349	42,762 U
Advanced Technology Development					
83	0603884BP Chemical and Biological Defense Program - Dem/Val	4	45,133	53,413	60,404 U
Demonstration and Validation					
91	0604384BP Chemical and Biological Defense Program - EMD	5	78,709	126,302	125,312 U
Engineering and Manufacturing Development					
111	0605384BP Chemical and Biological Defense Program	6	19,339	18,141	24,922 U
RDT&E Management Support					
Total	Chemical and Biological Defense Program		301,792	344,722	336,365

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National Imagery And Mapping Agency
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide		Date: FEB 1998		Thousands of Dollars		S e	
Line No	Program Element Number	Item	Act	FY 1997	FY 1998	FY 1999 c	
137	0304345BQ	National Imagery and Mapping Program	7				
138	0305102BQ	Defense Imagery and Mapping Program	7	101,988	115,468	114,417	U
Operational Systems Development							
Total National Imagery And Mapping Agency							

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Def Threat Red & Treaty Compln Agency
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c	Thousands of Dollars
18	0602715BR WMD Related Technologies	2				203,598 U
	Applied Research					
27	0603160BR Counterproliferation Support - Adv Dev	3				203,598
34	0603711BR Verification Technology Demonstration	3				70,611 U
	Advanced Technology Development					63,052 U
107	0605128BR Classified Programs	6				133,663
109	0605160BR Counterproliferation Support	6				13,755 U
	RDT&E Management Support					9,874 U
						23,629
Total	Def Threat Red & Treaty Compln Agency					360,890

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Ballistic Missile Defense Organization
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 e
					Thousands of Dollars
8	0602173C Support Technologies - Applied Research	2	122,176	109,628	86,866 U
Applied Research					
29	0603173C Support Technologies - Advanced Technology	3	248,011	299,788	166,676 U
Advanced Technology Development					
72	0603861C Theater High-Altitude Area Defense System - TMD	4	549,579	390,785	497,752 U
73	0603867C Navy Area	4	157,028		U
74	0603868C Navy Theater Wide	4	304,171	419,414	190,446 U
75	0603869C Meads Concepts - Dem/Val	4	58,825	46,144	43,027 U
76	0603870C Boost Phase Intercept Theater Missile Defense	4	22,755	15,766	U
77	0603871C National Missile Defense - Dem/Val	4	811,416	941,142	950,473 U
78	0603872C Joint Theater Missile Defense - Dem/Val	4	493,429	582,000	176,846 U
79	0603873C Family-of Systems Engineering and Integration	4			96,915 U
80	0603874C BMD Technical Operations	4			190,147 U
81	0603875C International Cooperative Programs	4			50,676 U
82	0603876C Threat and Countermeasures	4			22,113 U
Demonstration and Validation					
96	0604861C Theater High-Altitude Area Defense System - TMD	5	66,737		323,942 U
97	0604865C Patriot PAC-3 Theater Missile Defense Acquisition	5	382,808	198,273	137,265 U

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Ballistic Missile Defense Organization
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Program Line Element No Number	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					-----S
98 0604867C	Navy Area Theater Missile Defense - EMD	5	143,343	278,790	245,796 U
	Engineering and Manufacturing Development		592,888	477,063	707,003
Total	Ballistic Missile Defense Organization		3,360,278	3,281,730	3,178,940

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Office of Secretary/Defense
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Line Element No	Program Element Number	Item	Act	FY 1997	FY 1998	FY 1999	Thousands of Dollars	
1	0601101D8Z	In-House Laboratory Independent Research	1	3,074	1,513	2,173	U	
3	0601103D8Z	University Research Initiatives	1	208,656	222,628	216,320	U	
4	0601105D8Z	Gulf War Illness	1			19,646	U	
5	0601111D8Z	Government/Industry Cosponsorship of University	1		7,393	9,870	U	
Basic Research								
9	0602227D8Z	Medical Free Electron Laser	2	211,730	231,534	248,009	U	
10	0602228D8Z	Historically Black Colleges and Universities	2	19,432	20,103	9,706	U	
11	0602234D8Z	Lincoln Laboratory Research Program	2	10,594	11,080		U	
20	0602787D8Z	Medical Technology	2	19,561	17,708	19,641	U	
Applied Research								
22	0603002D8Z	Medical Advanced Technology	3	57,568	57,560	38,586	U	
23	0603104D8Z	Explosives Demilitarization Technology	3	3,187	2,672	2,136	U	
24	0603120D8Z	Demining	3	11,189	11,711	11,650	U	
25	0603121D8Z	Alternative to Landmines	3	13,256	15,918		U	
26	0603122D8Z	Counterterror Technical Support	3	24,599	2,856	4,753	U	
28	0603160D8Z	Counterproliferation Support - Adv Dev	3	61,840	39,036	35,813	U	
30	0603225D8Z	Joint DoD-DoE Munitions Technology Development	3	17,261	65,212		U	
31	0603232D8Z	Automatic Target Recognition	3	4,391	16,909	13,447	U	
33	0603704D8Z	Special Technical Support	3	16,785	6,487	5,081	U	
						11,224	11,337	U

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Office of Secretary/Defense
FY 1999 RDT&E Program

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Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Thousands of Dollars

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
37	0603716D8Z Strategic Environmental Research Program	3	52,770	57,115	U
38	0603727D8Z Joint Warfighting Program	3		8,761	23,700 U
39	0603728D8Z Agile Port Demonstration	3	4,500	4,778	U
40	0603729D8Z Rocket Launch Facility Upgrades	3	9,433		U
41	0603730D8Z Airfield Surface Traffic Monitoring	3	1,382		U
42	0603738D8Z Cooperative DoD/VA Medical Research	3	23,809	14,421	U
46	0603750D8Z Advanced Concept Technology Demonstrations	3	57,070	77,455	116,330 U
47	0603752D8Z Commercial Technology Insertion Program	3	9,500	19,105	U
49	0603755D8Z High Performance Computing Modernization Program	3	119,092	143,176	140,927 U
59	0603832D8Z Joint Wargaming Simulation Management Office	3	56,945	61,460	70,696 U
	Advanced Technology Development		487,009	558,296	435,870
63	0603228D8Z Physical Security Equipment	4	23,095	17,939	31,792 U
64	0603708D8Z Integrated Diagnostics	4	9,255	6,257	3,436 U
65	0603709D8Z Joint Robotics Program	4	27,972	27,085	16,217 U
66	0603714D8Z Advanced Sensor Applications Program	4	24,683	17,655	15,147 U
67	0603736D8Z CALS Initiative	4	15,105	5,525	1,863 U
68	0603790D8Z NATO Research and Development	4	9,312	8,245	U
70	0603851D8Z Environmental Security Technical Certification	4	21,021	14,566	17,051 U
84	0603892D8Z ASAT	4	48,736		U
85	0603920D8Z Humanitarian Demining	4			17,234 U
	Demonstration and Validation		179,179	97,272	102,740

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Office of Secretary/Defense
FY 1999 RDT&E Program

Exhibit R-1

Date: FEB 1998

Appropriation: 0400 D Research Development Test & Eval Defwide

Line No	Program Element Number	Item	Act	FY 1997	FY 1998	FY 1999 c
			Thousands of Dollars			
90	0604160D8Z	Counterproliferation Support - EMD	5	2,300		0
92	0604709D8Z	Joint Robotics Program - Eng Dev	5			11,307
94	0604771D8Z	Joint Tactical Information Distribution System	5	42,238	53,266	30,512
95	0604805D8Z	Commercial Operations and Support Savings	5			13,410
Engineering and Manufacturing Development				44,538		
99	0603858D8Z	Unexploded Ordnance Detection and Clearance	6		53,266	55,229
100	0604942D8Z	Assessments and Evaluations	6		4,655	3,916
101	0605104D8Z	Technical Studies, Support and Analysis	6	29,583	29,178	30,021
102	0605110D8Z	USD(A&T)--Critical Technology Support	6	2,608	2,584	0
104	0605117D8Z	Foreign Material Acquisition and Exploitation	6	39,300	35,996	35,035
105	0605122D8Z	Industrial Capabilities Assessments	6			2,937
108	0605128D8Z	Classified Program USD(P)	6	10,822	8,720	0
110	0605160D8Z	Counterproliferation Support	6	8,346	6,768	0
112	0605502D8Z	Small Business Innovative Research	6	26,667		0
114	0605710D8Z	Classified Programs - C3I	6	2,164	343	439
115	0605790D8Z	Small Business Innovation Research Administration	6	1,541	1,669	1,820
121	0305190D8Z	C3I Intelligence Programs	6			1,657
RDT&E Management Support				121,031	89,913	
140	0305154D8Z	Defense Airborne Reconnaissance Program	7	454,411		77,098

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Office of Secretary/Defense
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Program Line Element No Number	Item	Act	FY 1997	FY 1998	FY 1999 c	
						Thousands of Dollars
144	0305190D8Z C3I Intelligence Programs	7	6,767	5,978	8,015	U
145	0305204D8Z Tactical Unmanned Aerial Vehicles	7		52,148	37,192	U
146	0305205D8Z Endurance Unmanned Aerial Vehicles	7		184,380	178,668	U
147	0305206D8Z Airborne Reconnaissance Systems	7		188,445	162,666	U
148	0305207D8Z Manned Reconnaissance Systems	7		26,581	10,840	U
150	0305208D8Z Distributed Common Ground Systems	7		36,022	34,985	U
151	0305209D8Z DARP Integration and Support	7		7,216	15,701	U
159	0909999D8Z Financing for Cancelled Account Adjustments	7	7,378			U
160	1001017D8Z Partnership for Peace Activities	7			1,957	U
Operational Systems Development						
						468,556
						500,770
						450,024
Total Office of Secretary/Defense						1,569,611
						1,588,611
						1,407,556

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Defense Advanced Research Projects Agency
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Program Line Element No Number	Item	Act	FY 1997	FY 1998	FY 1999 c
					Thousands of Dollars
2	0601101E Defense Research Sciences	1	89,365	68,332	65,102 U
Basic Research					
7	0602110E Next Generation Internet	2	89,365	40,453	40,000 U
12	0602301E Computing Systems and Communications Technology	2	304,766	309,037	417,723 U
13	0602383E Biological Warfare Defense	2		60,805	88,000 U
15	0602702E Tactical Technology	2	123,523	148,331	188,995 U
16	0602708E Integrated Command and Control Technology	2	58,824	45,695	34,000 U
17	0602712E Materials and Electronics Technology	2	203,887	231,353	244,408 U
Applied Research					
43	0603739E Advanced Electronics Technologies	3	691,000	835,674	1,013,126
44	0603746E Maritime Technology	3	47,347	36,030	15,000 U
45	0603747E Electric Vehicles	3	14,693	14,522	U
50	0603760E Command, Control and Communications Systems	3	98,840	150,010	200,100 U
51	0603761E Communication and Simulation Technology	3	124,961	74,212	56,114 U
52	0603762E Sensor and Guidance Technology	3	104,299	167,184	213,154 U
53	0603763E Marine Technology	3	41,185	19,626	24,788 U
54	0603764E Land Warfare Technology	3	62,381	80,924	108,490 U
55	0603765E Classified DARPA Programs	3	172,895	129,411	55,500 U
56	0603800E Joint Strike Fighter (JSF) - Dem/Val	3	70,261	23,019	U

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Defense Advanced Research Projects Agency
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c	
						Thousands of Dollars
57	0603805E Dual Use Applications Programs	3	123,168	120,395		U
Advanced Technology Development						
103	0605114E BLACK LIGHT	6	4,518	4,532	5,000	U
113	0605502E Small Business Innovative Research	6	45,660			U
120	0605898E Management Headquarters (Research and Development	6	35,340	35,039	38,611	U
122	0909900E Financing for Expired Account Adjustments	6	1,815			U
RDT&E Management Support						
			87,333	39,571	43,611	
Total Defense Advanced Research Projects Agency						
			2,069,971	2,040,819	2,039,722	

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National Security Agency
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 c
Thousands of Dollars					
60	0303132G Global Grid Communications	3			
61	0304211G National Activities	3			
62	0305166G Special Development	3			
Advanced Technology Development					
125	0301011G Cryptologic Activities	7	21,994	11,651	5,913
133	0303140G Information Systems Security Program	7	202,080	243,177	239,081 U
141	0305154G Defense Airborne Reconnaissance Program	7	3,459		U
149	0305207G Manned Reconnaissance Systems	7		4,256	4,085 U
153	0305885G Tactical Cryptologic Activities	7	99,987	92,660	104,510 U
154	0305889G Counterdrug Intelligence Support	7	9,054		U
Operational Systems Development					
Total National Security Agency					

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Defense Special Weapons Agency
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide		Date: FEB 1998		Thousands of Dollars		S e	
Line Element No	Program Item	Act	FY 1997	FY 1998	FY 1998	FY 1999 c	
19	0602715H Defense Special Weapons Agency	2	186,726	203,642			U
	Applied Research		186,726	203,642			
35	0603711H Verification Technology Demonstration	3	27,785	80,908			U
	Advanced Technology Development		27,785	80,908			
Total	Defense Special Weapons Agency		214,511	284,550			

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Defense Support Project Office
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide		Date: FEB 1998	
		Thousands of Dollars	
Program Line Element No Number	Item	FY 1997	FY 1998 FY 1999 C
142 0305159I	Defense Reconnaissance Support Activities (SPACE) 7	78,039	50,804 40,504 U
Operational Systems Development		78,039	50,804 40,504
Total Defense Support Project Office		78,039	50,804 40,504

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Joint Chiefs of Staff
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Thousands of Dollars

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 e
71	0603857J All Service Combat Identification Evaluation Team	4			13,014 U
88	0208043J ISLAND SUN	4	1,198		U
	Demonstration and Validation		1,198		13,014
106	0605126J Joint Theater Air and Missile Defense Organizatio	6		14,374	17,423 U
	RDT&E Management Support			14,374	17,423
124	0208052J Joint Analytical Model Improvement Program	7	986	1,940	1,847 U
134	0303149J C4I for the Warrior	7	2,502	2,506	2,819 U
143	0305188J Joint C4ISR Battle Center (JBC)	7	2,829	2,808	U
157	0902298J Management Headquarters (OJCS)	7	9,985	8,905	9,617 U
158	0902740J Joint Simulation System	7	21,020	23,443	24,775 U
	Operational Systems Development		37,322	39,602	39,058
Total	Joint Chiefs of Staff		38,520	53,976	69,495

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Defense Information Systems Agency
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide		Date: FEB 1998		Thousands of Dollars	
Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999 e
21	0305108K Command and Control Research	2	1,814	1,874	1,961 U
	Applied Research		1,814	1,874	1,961
93	0604764K Advanced IT Services Joint Program Office	5			15,588 U
	Engineering and Manufacturing Development				15,588
117	0605801K Defense Technical Information Services (DTIC)	6			46,469 U
	RDT&E Management Support				46,469
123	0208045K C3 Interoperability	7	24,391	24,913	26,296 U
127	0302016K National Military Command System-Wide Support	7	1,950	1,688	1,189 U
128	0302019K Defense Info Infrastructure Engineering and	7	4,531	4,119	4,975 U
129	0303126K Long-Haul Communications (DCS)	7	22,613	13,693	11,561 U
130	0303127K Support of the National Communications System	7	3,808	4,405	4,428 U
131	0303129K Defense Message System	7	1,353		U
132	0303131K Minimum Essential Emergency Communications	7	2,208	2,242	3,061 U
135	0303149K C4I for the Warrior	7			3,675 U
136	0303153K Joint Spectrum Center	7			8,839 U
	Operational Systems Development		60,854	51,060	64,024
Total	Defense Information Systems Agency		62,668	52,934	128,042

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Defense Intelligence Agency
FY 1999 RDT&E Program

Date: FEB 1998

Appropriation: 0400 D Research Development Test & Eval Defwide

Thousands of Dollars

STATE TO SUPPLEMENT

Program Line Element No Number	Item
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Act	FY 1997	FY 1998	FY 1999 c
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126	0301301L	General Defense Intelligence Program	7
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152 0305884L	Intelligence Planning and Review Activities	7
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155	0305898L	Management Headquarters (Auxiliary Forces)	7	1,849	1,864	U
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Operational Systems Development

Total Defense Intelligence Agency

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Defense Logistics Agency
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Program Line Element No	Item	Act	FY 1997	FY 1998	FY 1999	Se c
Thousands of Dollars						
36	0603712S Generic Logistics R&D Technology Demonstrations	3	19,220	21,554	17,788	U
48	0603753S Electronic Commerce Resource Centers	3		46,421		U
58	0603805S Dual Use Application Programs	3	5,000		6,000	U
Advanced Technology Development						
116	0605798S Defense Technology Analysis	6	13,096	8,542	5,010	U
118	0605801S Defense Technical Information Center	6	43,315	45,413		U
119	0605803S R&D in Support of DoD Enlistment, Testing	6	1,887	8,016	8,248	U
RDT&E Management Support						
156	0708011S Industrial Preparedness	7	6,101	26,013	26,231	U
Operational Systems Development						
			6,101	26,013	26,231	
Total	Defense Logistics Agency		88,619	155,959	63,277	

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Defense Security Assistance Agency
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Thousands of Dollars

Line No	Program Element Number	Item	Act	FY 1997	FY 1998	FY 1999 c	e
69	0603790T	NATO Research and Development	4			10,762	U
86	0605104T	Technical Studies, Support and Analysis	4			980	U
87	0605110T	Critical Technology Support	4			2,618	U
Demonstration and Validation						14,360	
Total Defense Security Assistance Agency						14,360	

10,762 U

980 U

2,618 U

14,360

14,360

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Undistributed
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide

Date: FEB 1998

Program Line Element No Number	Item	Act ---	FY 1997 -----	FY 1998 -----	FY 1999 c -----	Thousands of Dollars -----S e
89 0904901U	Undistributed Adjustments	4	-38,000			U
	Demonstration and Validation		-38,000			
	Total Undistributed		-38,000			

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Defense Security Service
FY 1999 RDT&E Program

Exhibit R-1

Appropriation: 0400 D Research Development Test & Eval Defwide		Date: FEB 1998		Thousands of Dollars		
Line Element No	Program Item	Act	FY 1997	FY 1998	FY 1999 c	
139	0305127V Foreign Counterintelligence Activities	7	411	406	418	U
	Operational Systems Development		411	406	418	
	Total Defense Security Service		411	406	418	

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