

RDT&E PROGRAMS (R-1)

Department of Defense Amended Budget

Fiscal Year 2002

June 2001

Office of the Under Secretary of Defense (Comptroller)

Modified 2 July 2001

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Preface

The RDT&E Programs (R-1) is derived from and consistent with the Comptroller Information 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>.

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DEPARTMENT OF DEFENSE
FY 2002 RDT&E PROGRAM

SUMMARY
(\$ IN THOUSANDS)

JUN 2001

<u>APPROPRIATION</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
Research, Development, Test & Eval, Army	5,313,987	6,279,892	6,693,920
Research, Development, Test & Eval, Navy	9,064,511	9,458,007	11,123,389
Research, Development, Test & Eval, AF	14,527,373	13,992,769	14,343,982
Research, Development, Test & Eval, Defwide	9,550,737	11,052,923	15,050,787
Developmental Test & Eval, Defense	264,582		
Operational Test & Eval, Defense	31,271	224,975	217,355
Total Research, Development, Test & Evaluation	38,752,461	41,008,566	47,429,433

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<u>Summary Recap of Budget Activities</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
Basic Research	1,138,639	1,317,245	1,303,923
Applied Research	3,409,388	3,676,022	3,658,932
Advanced Technology Development	3,788,930	3,999,515	3,814,870
Demonstration and Validation	6,513,879	7,830,334	11,381,366
Engineering and Manufacturing Development	8,878,808	8,734,993	10,249,419
RDT&E Management Support	3,076,253	2,634,490	2,785,875
Operational Systems Development	11,946,564	12,815,967	14,235,048
Total Research, Development, Test & Evaluation	38,752,461	41,008,566	47,429,433
 <u>Summary Recap of FYDP Programs</u>			
Strategic Forces	173,422	173,542	189,224
General Purpose Forces	3,050,105	3,099,078	3,263,117
Intelligence and Communications	7,777,988	8,286,142	9,372,232
Mobility Forces	247,097	349,106	458,388
Guard and Reserve Forces		5,863	13,082
Research and Development	26,862,213	28,404,577	33,456,827
Central Supply and Maintenance	349,157	349,443	270,196
Training Medical and Other			309
Administration and Associated Activities	53,014	64,070	62,660
Support of Other Nations	4,466	6,979	5,955
Special Operations Forces	234,999	269,766	337,443
Total Research, Development, Test & Evaluation	38,752,461	41,008,566	47,429,433

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<u>Summary Recap of Budget Activities</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
Basic Research	201,393	210,292	222,243
Applied Research	789,665	827,331	689,427
Advanced Technology Development	718,636	815,276	667,294
Demonstration and Validation	507,215	931,778	863,445
Engineering and Manufacturing Development	1,523,081	1,857,550	2,339,146
RDT&E Management Support	854,470	742,750	756,475
Operational Systems Development	719,527	894,915	1,155,890
Total Research, Development, Test & Eval, Army	5,313,987	6,279,892	6,693,920
 <u>Summary Recap of FYDP Programs</u>			
Strategic Forces	23,242	26,743	30,408
General Purpose Forces	405,777	512,289	666,078
Intelligence and Communications	145,579	197,930	300,209
Research and Development	4,656,402	5,453,863	5,649,419
Central Supply and Maintenance	82,483	89,067	45,697
Administration and Associated Activities	310		
Support of Other Nations	194		2,109
Total Research, Development, Test & Eval, Army	5,313,987	6,279,892	6,693,920

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APPROPRIATION: 2040A Research, Development, Test & Eval, Army

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
1	0601101A	In-House Laboratory Independent Research	1	13,800	14,326	14,815	U
2	0601102A	Defense Research Sciences	1	122,998	136,650	138,281	U
3	0601104A	University and Industry Research Centers	1	64,595	59,316	69,147	U
	Basic Research			201,393	210,292	222,243	
4	0602104A	TRACTOR ROSE	2	6,739			U
5	0602105A	Materials Technology	2	15,016	27,304	13,794	U
6	0602120A	Sensors and Electronic Survivability	2	22,885	23,008	25,797	U
7	0602122A	TRACTOR HIP	2	9,173	7,159	7,741	U
8	0602211A	Aviation Technology	2	29,096	30,794	49,265	U
9	0602270A	EW Technology	2	16,545	22,007	17,449	U
10	0602303A	Missile Technology	2	53,216	70,035	40,112	U
11	0602307A	Advanced Weapons Technology	2	3,984	6,632	19,043	U
12	0602308A	Modeling and Simulation Technology	2	32,518	36,144	20,579	U
13	0602601A	Combat Vehicle and Automotive Technology	2	57,452	88,274	82,441	U
14	0602618A	Ballistics Technology	2	41,011	53,258	61,502	U
15	0602622A	Chemical, Smoke and Equipment Defeating Technology	2	4,524	3,497	3,561	U
16	0602623A	Joint Service Small Arms Program	2	5,048	5,365	5,611	U
17	0602624A	Weapons and Munitions Technology	2	35,574	47,817	35,549	U
18	0602705A	Electronics and Electronic Devices	2	35,133	40,891	27,819	U
19	0602709A	Night Vision Technology	2	22,641	23,746	20,598	U
20	0602712A	Countermine Systems	2	14,992	17,721	16,689	U

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Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
21	0602716A	Human Factors Engineering Technology	2	19,350	18,119	16,466	U
22	0602720A	Environmental Quality Technology	2	76,597	60,434	16,150	U
23	0602782A	Command, Control, Communications Technology	2	19,101	23,101	24,342	U
24	0602783A	Computer and Software Technology	2	5,121	3,950	6,154	U
25	0602784A	Military Engineering Technology	2	46,697	55,332	42,850	U
26	0602785A	Manpower/Personnel/Training Technology	2	11,723	11,759	16,315	U
27	0602786A	Warfighter Technology	2	25,649	27,901	27,061	U
28	0602787A	Medical Technology	2	169,283	111,696	82,494	U
29	0602789A	ARMY Artificial Intelligence Technology	2	1,228	1,326		U
30	0602805A	Dual Use Science and Technology	2	9,369	10,061	10,045	U
		Applied Research		789,665	827,331	689,427	
31	0603001A	Warfighter Advanced Technology	3	36,847	21,768	60,332	U
32	0603002A	Medical Advanced Technology	3	74,105	221,085	17,541	U
33	0603003A	Aviation Advanced Technology	3	30,626	28,545	44,843	U
34	0603004A	Weapons and Munitions Advanced Technology	3	54,324	55,227	29,684	U
35	0603005A	Combat Vehicle and Automotive Advanced Technology	3	196,362	166,571	193,858	U
36	0603006A	Command, Control, Communications Advanced Technology	3	27,340	28,243	31,865	U
37	0603007A	Manpower, Personnel and Training Advanced Technology	3	4,869	7,008	3,120	U
38	0603009A	TRACTOR HIKE	3	12,125	12,105	10,415	U
39	0603017A	TRACTOR RED	3	2,834	975		U

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Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
40	0603020A	TRACTOR ROSE	3	10,743	10,792	9,293	U
41	0603105A	Military HIV Research	3	5,750	5,834	5,937	U
42	0603122A	TRACTOR HIP	3	2,340	971		U
43	0603238A	Global Surveillance/Air Defense/ Precision Strike Technology Demonstration	3	24,819	21,112	32,267	U
44	0603270A	EW Technology	3	15,620	30,575	13,868	U
45	0603313A	Missile and Rocket Advanced Technology	3	43,828	51,629	59,518	U
46	0603322A	TRACTOR CAGE	3	2,580	3,055	3,312	U
47	0603606A	Landmine Warfare and Barrier Advanced Technology	3	45,748	20,702	23,062	U
48	0603607A	Joint Service Small Arms Program	3	8,507	4,428	5,828	U
49	0603654A	Line-Of-Sight Technology Demonstration	3	37,188	50,262	57,384	U
50	0603710A	Night Vision Advanced Technology	3	38,470	42,746	37,081	U
51	0603728A	Environmental Quality Technology Demonstrations	3	1,286	11,013	4,826	U
52	0603734A	Military Engineering Advanced Technology	3	15,282	5,160	4,747	U
53	0603772A	Advanced Tactical Computer Science and Sensor Technology	3	27,043	15,470	18,513	U
		Advanced Technology Development		718,636	815,276	667,294	
54	0603308A	Army Missile Defense Systems Integration (Dem/Val)	4	68,653	96,380	19,491	U
55	0603619A	Landmine Warfare and Barrier - Adv Dev	4	11,802	22,594	21,651	U
56	0603639A	Tank and Medium Caliber Ammunition	4	48,062	49,635	32,986	U

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Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
57	0603653A	Advanced Tank Armament System (ATAS)	4	16,589	265,681	101,461	U
58	0603713A	Army Data Distribution System	4	3,748	17		U
59	0603747A	Soldier Support and Survivability	4	11,087	13,449	17,482	U
60	0603766A	Tactical Electronic Surveillance System - Adv Dev	4			16,749	U
61	0603774A	Night Vision Systems Advanced Development	4	6,455	14,831	12,756	U
62	0603779A	Environmental Quality Technology Dem/Val	4	4,795	13,275	7,536	U
63	0603782A	Warfighter Information Network- Tactical - DEM/VAL	4			15,075	U
64	0603790A	NATO Research and Development	4	1,820	1,902	8,633	U
65	0603801A	Aviation - Adv Dev	4	8,509	9,757	9,105	U
66	0603802A	Weapons and Munitions - Adv Dev	4	14,958	35,847	31,670	U
67	0603804A	Logistics and Engineer Equipment - Adv Dev	4	7,876	6,260	7,456	U
68	0603805A	Combat Service Support Control System Evaluation and Analysis	4	11,281	13,627	8,696	U
69	0603807A	Medical Systems - Adv Dev	4	16,276	15,367	15,506	U
70	0603850A	Integrated Broadcast Service (JMIP/DISTP)	4			1,985	U
71	0603851A	TRACTOR CAGE (Dem/Val)	4	1,057	970	3,718	U
72	0603854A	Artillery Systems - Dem/Val	4	263,844	352,051	447,949	U
73	0603856A	SCAMP Block II Dem/Val	4	10,403	20,135	9,895	U
74	0603869A	Meads Concepts - Dem/Val	4			73,645	U
		Demonstration and Validation		507,215	931,778	863,445	
75	0604201A	Aircraft Avionics	5	10,272	41,893	57,474	U

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				FY 2000	FY 2001	FY 2002	
76	0604220A	Armed, Deployable OH-58D	5		528	2,345	U
77	0604223A	Comanche	5	458,459	608,410	787,866	U
78	0604270A	EW Development	5	79,196	69,413	57,010	U
79	0604280A	Joint Tactical Radio	5	36,310	61,648	80,449	U
80	0604321A	All Source Analysis System	5	55,530	43,680	42,166	U
81	0604328A	TRACTOR CAGE	5	2,809	2,890	3,888	U
82	0604329A	Common Missile	5		4,923	16,731	U
83	0604601A	Infantry Support Weapons	5		2		U
84	0604604A	Medium Tactical Vehicles	5	1,947	1,942	1,962	U
85	0604609A	Smoke, Obscurant and Target Defeating Sys-Eng Dev	5	915	3,428	7,920	U
86	0604611A	JAVELIN	5	1,961	485	492	U
87	0604619A	Landmine Warfare	5	13,142	15,756	18,938	U
88	0604622A	Family of Heavy Tactical Vehicles	5	1,365			U
89	0604633A	Air Traffic Control	5	4,890	2,008	2,197	U
90	0604641A	Tactical Unmanned Ground Vehicle (TUGV)	5	4,877	297		U
91	0604642A	Light Tactical Wheeled Vehicles	5	6,783	9,802	2,523	U
92	0604645A	Armored Systems Modernization (ASM)-Eng. Dev.	5	2,861	2,180		U
93	0604649A	Engineer Mobility Equipment Development	5	46,650	14,862	9,279	U
94	0604710A	Night Vision Systems - Eng Dev	5	31,989	33,764	24,201	U
95	0604713A	Combat Feeding, Clothing, and Equipment	5	64,457	88,502	91,002	U
96	0604715A	Non-System Training Devices - Eng Dev	5	80,152	75,522	26,319	U

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				FY 2000	FY 2001	FY 2002	
97	0604716A	Terrain Information - Eng Dev	5	5,423	6,027	8,840	U
98	0604726A	Integrated Meteorological Support System	5	2,351	1,754	1,911	U
99	0604738A	JSIMS Core Program	5			30,985	U
100	0604739A	Integrated Broadcast Service	5	4,618	6,005		U
101	0604741A	Air Defense Command, Control and Intelligence - Eng Dev	5	12,008	16,310	18,233	U
102	0604742A	Constructive Simulation Systems Development	5			66,164	U
103	0604746A	Automatic Test Equipment Development	5	15,924	12,837	11,582	U
104	0604760A	Distributive Interactive Simulations (DIS) - Engineering Development	5	8,173	20,501	26,058	U
105	0604766A	Tactical Surveillance Systems - Eng Dev	5	73,442	57,884	68,205	U
106	0604768A	Brilliant Anti-Armor Submunition (BAT)	5	139,130	97,203	123,899	U
107	0604770A	Joint Surveillance/Target Attack Radar System	5	26,030	28,632	8,093	U
108	0604778A	Positioning Systems Development (SPACE)	5	1,663	2,398		U
109	0604780A	Combined Arms Tactical Trainer (CATT) Core	5	38,563	18,328	13,645	U
110	0604783A	Joint Network Management System	5			26,130	U
111	0604801A	Aviation - Eng Dev	5	14,111	11,993	2,263	U
112	0604802A	Weapons and Munitions - Eng Dev	5	57,458	32,703	7,046	U
113	0604804A	Logistics and Engineer Equipment - Eng Dev	5	22,506	24,333	30,673	U

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Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
114	0604805A	Command, Control, Communications Systems - Eng Dev	5	28,503	61,249	122,644	U
115	0604807A	Medical Materiel/Medical Biological Defense Equipment - Eng Dev	5	9,598	6,261	8,228	U
116	0604808A	Landmine Warfare/Barrier - Eng Dev	5	24,458	93,717	89,153	U
117	0604814A	Artillery Munitions - EMD	5	24,001	31,513	67,258	U
118	0604817A	Combat Identification	5	17,705	5,313	3,014	U
119	0604818A	Army Tactical Command & Control Hardware & Software	5	43,387	39,059	50,887	U
120	0604819A	LOSAT	5		26,555	21,596	U
121	0604820A	Radar Development	5	5,060	13,306	5,162	U
122	0604823A	Firefinder	5	39,641	46,928	26,956	U
123	0604854A	Artillery Systems - EMD	5	4,763	19,920	62,481	U
124	0604865A	Patriot PAC-3 Theater Missile Defense Acquisition - EMD	5			107,100	U
125	0605013A	Information Technology Development	5		94,886	98,178	U
		Engineering and Manufacturing Development		1,523,081	1,857,550	2,339,146	
126	0604256A	Threat Simulator Development	6	19,170	20,808	16,011	U
127	0604258A	Target Systems Development	6	12,904	15,252	25,212	U
128	0604759A	Major T&E Investment	6	37,953	43,616	49,897	U
129	0605103A	Rand Arroyo Center	6	16,990	19,689	19,972	U
130	0605301A	Army Kwajalein Atoll	6	135,217	151,920	150,071	U
131	0605326A	Concepts Experimentation Program	6	21,285	18,738	33,067	U
132	0605502A	Small Business Innovative Research	6	115,654			U
133	0605601A	Army Test Ranges and Facilities	6	144,153	121,532	114,411	U

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APPROPRIATION: 2040A Research, Development, Test & Eval, Army

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Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
134	0605602A	Army Technical Test Instrumentation and Targets	6	32,825	36,915	34,259	U
135	0605604A	Survivability/Lethality Analysis	6	37,021	36,905	27,794	U
136	0605605A	DOD High Energy Laser Test Facility	6	29,717	37,177	14,570	U
137	0605606A	Aircraft Certification	6	2,958	3,171	3,582	U
138	0605702A	Meteorological Support to RDT&E Activities	6	6,727	6,864	6,890	U
139	0605706A	Materiel Systems Analysis	6	10,198	8,657	8,884	U
140	0605709A	Exploitation of Foreign Items	6	4,097	3,549	3,525	U
141	0605712A	Support of Operational Testing	6	68,689	68,149	89,047	U
142	0605716A	Army Evaluation Center	6	26,413	26,095	31,365	U
143	0605801A	Programwide Activities	6	64,176	60,734	69,096	U
144	0605803A	Technical Information Activities	6	18,755	30,219	33,749	U
145	0605805A	Munitions Standardization, Effectiveness and Safety	6	18,246	16,622	16,072	U
146	0605856A	Environmental Compliance	6	3,986	2,477		U
147	0605857A	Environmental Quality Technology Mgmt Support	6		5,368	1,733	U
148	0605898A	Management Headquarters (Research and Development)	6	27,026	8,293	7,268	U
149	0909999A	Financing for Cancelled Account Adjustments	6	310			U
		RDT&E Management Support		854,470	742,750	756,475	
150	0603778A	MLRS Product Improvement Program	7	62,252	68,886	111,389	U
151	0102419A	Aerostat Joint Project Office	7	23,242	26,743	30,408	U
152	0203610A	Domestic Preparedness Against Weapons of Mass Destruction	7	5,791	2,972		U

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Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
153	0203726A	Adv Field Artillery Tactical Data System	7	34,147	36,471	36,969	U
154	0203735A	Combat Vehicle Improvement Programs	7	84,004	100,575	195,602	U
155	0203740A	Maneuver Control System	7	40,695	48,454	40,231	U
156	0203744A	Aircraft Modifications/Product Improvement Programs	7	71,761	106,831	143,631	U
157	0203752A	Aircraft Engine Component Improvement Program	7	3,626	5,873	13,017	U
158	0203758A	Digitization	7	31,414	30,384	29,302	U
159	0203759A	Force XXI Battle Command, Brigade and Below (FBCB2)	7	63,945	64,009	56,872	U
160	0203761A	Rapid Acq Program For Transformation	7			23,593	U
161	0203801A	Missile/Air Defense Product Improvement Program	7	10,804	12,248	8,539	U
162	0203802A	Other Missile Product Improvement Programs	7	12,755	55,900	84,935	U
163	0203808A	TRACTOR CARD	7	3,634	3,801	6,551	U
164	0208010A	Joint Tactical Communications Program (TRI-TAC)	7	16,345	38,563	21,615	U
165	0208053A	Joint Tactical Ground System	7	26,856	6,208	5,221	U
166	0301359A	Special Army Program	7	22,943	5,178	5,072	U
167	0303028A	Security and Intelligence Activities	7	6,451		452	U
168	0303140A	Information Systems Security Program	7	14,344	14,503	8,261	U
169	0303141A	Global Combat Support System	7		73,664	94,177	U
170	0303142A	SATCOM Ground Environment (SPACE)	7	33,778	42,926	47,647	U

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				FY 2000	FY 2001	FY 2002	
171	0303150A	WWMCCS/Global Command and Control System	7	10,525	14,101	13,501	U
172	0305114A	Traffic Control, Approach and Landing System-FY 1987 and Prior	7		775	785	U
173	0305204A	Tactical Unmanned Aerial Vehicles	7	45,087	34,110	38,210	U
174	0305206A	Airborne Reconnaissance Systems	7	4,725	4,852	6,862	U
175	0305208A	Distributed Common Ground Systems (JMIP)	7	7,726	7,821	85,242	U
176	0708045A	End Item Industrial Preparedness Activities	7	82,483	89,067	45,697	U
177	1001018A	NATO Joint STARS	7	194		2,109	U
		Operational Systems Development		719,527	894,915	1,155,890	
		Total Research, Development, Test & Eval, Army		5,313,987	6,279,892	6,693,920	

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DEPARTMENT OF THE NAVY

FY 2002 RDT&E PROGRAM

SUMMARY
(\$ IN THOUSANDS)

JUN 2001

<u>Summary Recap of Budget Activities</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
Basic Research	367,129	393,835	406,120
Applied Research	610,404	659,154	626,550
Advanced Technology Development	739,492	786,425	680,500
Demonstration and Validation	2,353,009	2,557,636	2,414,880
Engineering and Manufacturing Development	2,225,926	2,214,621	4,122,698
RDT&E Management Support	810,339	651,178	738,841
Operational Systems Development	1,958,212	2,195,158	2,133,800
Total Research, Development, Test & Eval, Navy	9,064,511	9,458,007	11,123,389
 <u>Summary Recap of FYDP Programs</u>			
Strategic Forces	92,729	84,953	82,614
General Purpose Forces	964,735	885,771	829,774
Intelligence and Communications	736,160	867,632	824,611
Guard and Reserve Forces		5,863	13,082
Research and Development	7,129,776	7,495,719	9,269,069
Central Supply and Maintenance	132,808	118,069	104,239
Administration and Associated Activities	8,303		
Total Research, Development, Test & Eval, Navy	9,064,511	9,458,007	11,123,389

DEPARTMENT OF THE NAVY
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
1	0601152N	In-House Laboratory Independent Research	1	15,262	16,193	16,291	U
2	0601153N	Defense Research Sciences	1	351,867	377,642	389,829	U
		Basic Research		367,129	393,835	406,120	
3	0602111N	Air and Surface Launched Weapons Technology	2	54,629	54,957		U
4	0602114N	Power Projection Applied Research	2			66,322	U
5	0602121N	Ship, Submarine & Logistics Technology	2	60,710	56,291		U
6	0602122N	Aircraft Technology	2	21,759	20,864		U
7	0602123N	Force Protection Applied Research	2			117,072	U
8	0602131M	Marine Corps Landing Force Technology	2	17,233	12,180	31,248	U
9	0602232N	Communications, Command and Control, Intelligence, Surveillance	2	83,113	113,851		U
10	0602233N	Human Systems Technology	2	33,717	40,068		U
11	0602234N	Materials, Electronics and Computer Technology	2	101,725	102,377		U
12	0602235N	Common Picture Applied Research	2			83,557	U
13	0602236N	Warfighter Sustainment Applied Research	2			71,294	U
14	0602270N	Electronic Warfare Technology	2	34,412	25,804		U
15	0602271N	RF Systems Applied Research	2			62,141	U
16	0602314N	Undersea Warfare Surveillance Technology	2	47,540	52,898		U
17	0602315N	Mine Countermeasures, Mining and Special Warfare	2	44,159	50,397		U
18	0602435N	Ocean Warfighting Environment Applied Research	2	66,642	76,363	50,738	U

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FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
19	0602633N	Undersea Warfare Weaponry Technology	2	37,127	40,652		U
20	0602747N	Undersea Warfare Applied Research	2			76,510	U
21	0602782N	Mine and Expeditionary Warfare Applied Research	2			57,668	U
22	0602805N	Dual Use Science and Technology Program	2	7,638	12,452	10,000	U
		Applied Research		610,404	659,154	626,550	
23	0603114N	Power Projection Advanced Technology	3			76,410	U
24	0603123N	Force Protection Advanced Technology	3			85,297	U
25	0603217N	Air Systems and Weapons Advanced Technology	3	47,825	60,592		U
26	0603235N	Common Picture Advanced Technology	3			48,583	U
27	0603236N	Warfighter Sustainment Advanced Technology	3			57,685	U
28	0603238N	Precision Strike and Air Defense Technology	3	84,946	86,752		U
29	0603270N	Advanced Electronic Warfare Technology	3	20,361	17,361		U
30	0603271N	RF Systems Advanced Technology	3			76,876	U
31	0603508N	Surface Ship & Submarine HM&E Advanced Technology	3	78,230	72,758		U
32	0603640M	Marine Corps Advanced Technology Demonstration (ATD)	3	66,432	60,687	51,310	U
33	0603706N	Medical Development	3	73,821	84,823		U
34	0603707N	Manpower, Personnel and Training Adv Tech Dev	3	38,370	45,566		U

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EXHIBIT R-1

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
35	0603712N	Environmental Quality and Logistics Advanced Technology	3	24,682	48,129		U
36	0603727N	Joint Experimentation	3	42,300	51,033	118,802	U
37	0603729N	Warfighter Protection Advanced Technology	3			17,678	U
38	0603747N	Undersea Warfare Advanced Technology	3	56,535	66,182	56,303	U
39	0603758N	Navy Warfighting Experiments and Demonstrations	3			43,277	U
40	0603782N	Mine and Expeditionary Warfare Advanced Technology	3	57,077	48,172	48,279	U
41	0603792N	Advanced Technology Transition	3	106,018	99,116		U
42	0603794N	C3 Advanced Technology	3	42,895	45,254		U
		Advanced Technology Development		739,492	786,425	680,500	
43	0603207N	Air/Ocean Tactical Applications	4	28,441	32,536	32,332	U
44	0603216N	Aviation Survivability	4	13,622	7,458	25,572	U
45	0603237N	Stall/Spin Inhibitors (H)	4			50,000	U
46	0603254N	ASW Systems Development	4	19,657	27,409	12,922	U
47	0603261N	Tactical Airborne Reconnaissance	4	1,956	2,332	1,934	U
48	0603382N	Advanced Combat Systems Technology	4	6,547	6,879	3,458	U
49	0603502N	Surface and Shallow Water Mine Countermeasures	4	107,938	101,984	135,284	U
50	0603506N	Surface Ship Torpedo Defense	4	6,092	15,853	4,818	U
51	0603512N	Carrier Systems Development	4	134,194	149,549	165,150	U
52	0603513N	Shipboard System Component Development	4	108,548	256,065	288,382	U
53	0603525N	PILOT FISH	4	96,019	106,611	99,600	U

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EXHIBIT R-1

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
54	0603527N	RETRACT LARCH	4	7,568	11,786	50,441	U
55	0603536N	RETRACT JUNIPER	4	5,980			U
56	0603542N	Radiological Control	4	585	567	1,056	U
57	0603553N	Surface ASW	4	6,723	6,690	3,724	U
58	0603559N	SSGN Conversion	4		37,416	30,000	U
59	0603561N	Advanced Submarine System Development	4	127,615	128,082	110,766	U
60	0603562N	Submarine Tactical Warfare Systems	4	4,352	4,317	5,405	U
61	0603563N	Ship Concept Advanced Design	4	31,995	5,115	1,949	U
62	0603564N	Ship Preliminary Design & Feasibility Studies	4	9,969	56,374	14,922	U
63	0603570N	Advanced Nuclear Power Systems	4	145,355	166,938	175,176	U
64	0603573N	Advanced Surface Machinery Systems	4	25,685	9,547	3,921	U
65	0603576N	CHALK EAGLE	4	89,512	64,176	35,313	U
66	0603582N	Combat System Integration	4	76,800	54,461	42,915	U
67	0603609N	Conventional Munitions	4	37,665	33,310	22,299	U
68	0603611M	Marine Corps Assault Vehicles	4	110,937	147,100	263,066	U
69	0603635M	Marine Corps Ground Combat/Support System	4	47,331	32,416	25,957	U
70	0603654N	Joint Service Explosive Ordnance Development	4	10,821	14,546	12,918	U
71	0603658N	Cooperative Engagement	4	182,307	177,612	74,231	U
72	0603713N	Ocean Engineering Technology Development	4	15,058	15,230	16,077	U
73	0603721N	Environmental Protection	4	79,565	65,506	46,117	U
74	0603724N	Navy Energy Program	4	6,719	7,869	5,025	U

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EXHIBIT R-1

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
75	0603725N	Facilities Improvement	4	1,927	1,807	1,728	U
76	0603734N	CHALK CORAL	4	39,402	52,401	48,187	U
77	0603739N	Navy Logistic Productivity	4	17,428	12,880	11,735	U
78	0603746N	RETRACT MAPLE	4	118,066	122,572	148,856	U
79	0603748N	LINK PLUMERIA	4	47,924	41,983	62,601	U
80	0603751N	RETRACT ELM	4	21,233	13,417	22,200	U
81	0603755N	Ship Self Defense - Dem/Val	4	9,628	6,550	8,353	U
82	0603764N	LINK EVERGREEN	4	7,812	9,623	26,151	U
83	0603787N	Special Processes	4	68,013	61,936	58,858	U
84	0603790N	NATO Research and Development	4	5,118	8,909	11,551	U
85	0603795N	Land Attack Technology	4	129,300	138,956	130,993	U
86	0603800N	Joint Strike Fighter (JSF) - Dem/ Val	4	238,420	240,820		U
87	0603851M	Nonlethal Weapons - Dem/Val	4	25,827	29,309	34,008	U
88	0603857N	All Service Combat Identification Evaluation Team (ASCJET)	4	13,898	12,989	13,530	U
89	0603879N	Single Integrated Air Picture (SIAP) System Engineer (SE)	4		20,000	43,140	U
90	0603889N	Counterdrug RDT&E Projects	4	24,091			U
91	0604327N	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	4	4,591			U
92	0604707N	Space and Electronic Warfare (SEW) Architecture/Engineering Support	4	34,775	37,750	32,259	U
		Demonstration and Validation		2,353,009	2,557,636	2,414,880	
93	0603208N	Training System Aircraft	5	295			U
94	0603662N	Foreign Counter-Intelligence (FCI) - RDT&E	5				

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APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
95	0604212N	Other Helo Development	5	72,173	36,024	64,392	U
96	0604214N	AV-8B Aircraft - Eng Dev	5	36,410	28,654	32,897	U
97	0604215N	Standards Development	5	74,391	100,740	120,552	U
98	0604216N	Multi-Mission Helicopter Upgrade Development	5	110,097	83,115	149,418	U
99	0604217N	S-3 Weapon System Improvement	5	4,918	450	428	U
100	0604218N	Air/Ocean Equipment Engineering	5	5,733	5,995	6,346	U
101	0604221N	P-3 Modernization Program	5	10,531	7,333	3,220	U
102	0604231N	Tactical Command System	5	44,510	59,242	64,832	U
103	0604234N	Common Strategic Rotary Launcher (H)	5			96,000	U
104	0604235N	Navy Area Missile Defense	5			388,496	U
105	0604245N	H-1 Upgrades	5	178,524	138,189	170,068	U
106	0604261N	Acoustic Search Sensors	5	24,782	20,545	16,825	U
107	0604262N	V-22A	5	175,919	146,589	546,735	U
108	0604264N	Air Crew Systems Development	5	17,412	28,672	7,717	U
109	0604270N	EW Development	5	208,163	133,399	112,473	U
110	0604300N	SC-21 Total Ship System Engineering	5	160,894	289,591	355,093	U
111	0604307N	Surface Combatant Combat System Engineering	5	240,898	200,330	262,037	U
112	0604311N	LPD-17 Class Systems Integration	5	2,387	270	1,001	U
113	0604312N	Tri-Service Standoff Attack Missile	5	1,913	3,503	1,946	U
114	0604366N	Standard Missile Improvements	5	625	1,183	1,309	U
115	0604373N	Airborne MCM	5	51,103	50,842	52,041	U

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APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
116	0604503N	SSN-688 and Trident Modernization	5	70,764	72,132	43,706	U
117	0604504N	Air Control	5	14,537	13,394	12,821	U
118	0604507N	Enhanced Modular Signal Processor	5	871	867	1,013	U
119	0604512N	Shipboard Aviation Systems	5	8,675	9,627	16,375	U
120	0604518N	Combat Information Center Conversion	5	7,715	3,686	5,392	U
121	0604524N	Submarine Combat System	5	9,184	3,609		U
122	0604528N	SWATH (Small Waterplane Area Twin Hull) Oceanographic Ship	5	8,690			U
123	0604558N	New Design SSN	5	236,660	212,127	201,596	U
124	0604561N	SSN-21 Developments	5	30,505	6,557	5,770	U
125	0604562N	Submarine Tactical Warfare System	5	12,556	26,249	29,246	U
126	0604567N	Ship Contract Design/ Live Fire T&E	5	57,901	77,488	130,388	U
127	0604574N	Navy Tactical Computer Resources	5	56,160	30,608	3,836	U
128	0604601N	Mine Development	5	3,276	1,635		U
129	0604603N	Unguided Conventional Air-Launched Weapons	5	2,836	2,553	12,890	U
130	0604610N	Lightweight Torpedo Development	5	8,984	9,262	10,310	U
131	0604618N	Joint Direct Attack Munition	5	10,800	28,845	56,285	U
132	0604654N	Joint Service Explosive Ordnance Development	5	6,870	7,037	8,123	U
133	0604703N	Personnel, Training, Simulation, and Human Factors	5	1,240	1,259	1,300	U
134	0604710N	Navy Energy Program	5	5,236	5,480	3,157	U
135	0604721N	Battle Group Passive Horizon Extension System	5	1,663	2,211	8,130	U

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FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
136	0604727N	Joint Standoff Weapon Systems	5	28,920	27,694	26,852	U
137	0604755N	Ship Self Defense - EMD	5	129,872	114,514	52,163	U
138	0604756N	Advanced Distributed Learning	5			33,530	U
139	0604757N	Medical Chemical Defense Life Material (H)	5			41,670	U
140	0604771N	Medical Development	5	15,274	27,519	5,455	U
141	0604777N	Navigation/ID System	5	16,395	18,314	23,884	U
142	0604784N	Distributed Surveillance System	5	39,077	30,924	34,711	U
143	0604800N	Joint Strike Fighter (JSF) - EMD	5		100,344	767,259	U
144	0604805N	Commercial Operations and Support Savings Initiative	5	19,587			U
145	0604910N	Smart Card	5		1,228	896	U
146	0605013M	Information Technology Development	5		6,770	11,031	U
147	0605013N	Information Technology Development	5		32,159	49,333	U
148	0605014N	Defense Integrated Military Human Resources System (DIMHRS) - RDT&E	5			47,184	U
149	0605015N	Joint Counter-Intelligence Assessment Group (JCAG) - RDT&E	5			6,000	U
150	0508713N	Navy Standard Integrated Personnel System (NSIPS)	5		5,863	13,082	U
		Engineering and Manufacturing Development		2,225,926	2,214,621	4,122,698	
151	0604256N	Threat Simulator Development	6	27,702	25,934	30,110	U
152	0604258N	Target Systems Development	6	51,592	40,699	49,511	U
153	0604759N	Major T&E Investment	6	45,267	45,227	41,804	U
154	0605152N	Studies and Analysis Support - Navy	6	6,114	5,997	6,679	U
155	0605154N	Center for Naval Analyses	6	42,521	43,487	44,891	U

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EXHIBIT R-1

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
156	0605155N	Fleet Tactical Development	6	2,948	2,715	2,912	U
157	0605502N	Small Business Innovative Research	6	143,492			U
158	0605804N	Technical Information Services	6	10,047	10,848	951	U
159	0605853N	Management, Technical & International Support	6	16,646	17,481	21,628	U
160	0605856N	Strategic Technical Support	6	2,302	2,381	2,391	U
161	0605861N	RDT&E Science and Technology Management	6	54,851	52,877	54,825	U
162	0605862N	RDT&E Instrumentation Modernization	6	9,218	11,935	11,601	U
163	0605863N	RDT&E Ship and Aircraft Support	6	72,181	75,341	71,735	U
164	0605864N	Test and Evaluation Support	6	264,958	270,214	277,414	U
165	0605865N	Operational Test and Evaluation Capability	6	9,344	8,874	11,649	U
166	0605866N	Navy Space and Electronic Warfare (SEW) Support	6	1,955	3,232	3,433	U
167	0605867N	SEW Surveillance/Reconnaissance Support	6	10,975	11,586	12,693	U
168	0605873M	Marine Corps Program Wide Support	6	29,923	17,727	9,614	U
169	0305885N	Tactical Cryptologic Activities	6		4,623	85,000	U
170	0909999N	Financing for Cancelled Account Adjustments	6	8,303			U
		RDT&E Management Support		810,339	651,178	738,841	
171	0603660N	Advanced Development Projects	7				
172	0603661N	Retract Violet	7				
173	0603662N	Foreign Counter-Intellegence (FCI) - RDT&E	7				
174	0604227N	HARPOON Modifications	7	300			U

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EXHIBIT R-1

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
175	0604805N	Commercial Operations and Support Savings Initiative	7		8,372		U
176	0101221N	Strategic Sub & Weapons System Support	7	57,292	53,195	43,322	U
177	0101224N	SSBN Security Technology Program	7	31,580	30,887	34,091	U
178	0101226N	Submarine Acoustic Warfare Development	7	3,857	871	996	U
179	0101402N	Navy Strategic Communications	7			4,205	U
180	0204136N	F/A-18 Squadrons	7	307,589	234,490	253,257	U
181	0204152N	E-2 Squadrons	7	38,694	44,890	20,583	U
182	0204163N	Fleet Telecommunications (Tactical)	7	11,790	11,902	21,136	U
183	0204229N	Tomahawk and Tomahawk Mission Planning Center (TMPC)	7	137,445	90,461	76,036	U
184	0204311N	Integrated Surveillance System	7	16,908	37,084	20,041	U
185	0204413N	Amphibious Tactical Support Units	7		11,837	24,387	U
186	0204571N	Consolidated Training Systems Development	7	36,853	36,774	22,407	U
187	0204575N	Electronic Warfare (EW) Readiness Support	7	8,678	9,833	7,659	U
188	0205601N	HARM Improvement	7	36,773	39,409	13,630	U
189	0205604N	Tactical Data Links	7	42,706	26,005	39,362	U
190	0205620N	Surface ASW Combat System Integration	7	22,544	29,314	28,119	U
191	0205632N	MK-48 ADCAP	7	19,400	15,707	17,130	U
192	0205633N	Aviation Improvements	7	48,959	50,475	41,430	U
193	0205658N	Navy Science Assistance Program	7			4,945	U
194	0205667N	F-14 Upgrade	7	1,354	11,122		U

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APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
195	0205675N	Operational Nuclear Power Systems	7	52,880	52,945	55,202	U
196	0206313M	Marine Corps Communications Systems	7	89,355	107,102	104,835	U
197	0206623M	Marine Corps Ground Combat/ Supporting Arms Systems	7	29,020	39,061	43,935	U
198	0206624M	Marine Corps Combat Services Support	7	11,852	3,876	8,483	U
199	0207161N	Tactical AIM Missiles	7	38,872	21,473	16,402	U
200	0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	13,063	12,011	10,795	U
201	0301303N	Maritime Intelligence	7				
202	0301327N	Technical Reconnaissance and Surveillance	7				
203	0303109N	Satellite Communications (SPACE)	7	40,015	39,413	54,230	U
204	0303140N	Information Systems Security Program	7	20,105	31,835	20,942	U
205	0304111N	Special Activities	7				
206	0305160N	Navy Meteorological and Ocean Sensors-Space (METOC)	7	18,202	19,549	23,492	U
207	0305188N	Joint C4ISR Battle Center (JBC)	7	8,045	9,705	13,618	U
208	0305192N	Joint Military Intelligence Programs	7	1,994	6,936	7,179	U
209	0305204N	Tactical Unmanned Aerial Vehicles	7	75,029	121,753	66,349	U
210	0305206N	Airborne Reconnaissance Systems	7	18,779	26,135	5,736	U
211	0305207N	Manned Reconnaissance Systems	7	39,582	46,014	29,232	U
212	0305208N	Distributed Common Ground Systems	7	5,530	4,434	4,467	U
213	0305927N	Naval Space Surveillance	7	1,685	1,425	4,237	U
214	0308601N	Modeling and Simulation Support	7	10,920	13,976	7,828	U

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DEPARTMENT OF THE NAVY
 FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
215	0702207N	Depot Maintenance (Non-IF)	7	42,822	39,802	13,569	U
216	0708011N	Industrial Preparedness	7	69,474	68,987	70,605	U
217	0708730N	Maritime Technology (MARITECH)	7	20,512	9,280	20,065	U
		Operational Systems Development		1,958,212	2,195,158	2,133,800	
		Total Research, Development, Test & Eval, Navy		9,064,511	9,458,007	11,123,389	

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DEPARTMENT OF THE AIR FORCE

FY 2002 RDT&E PROGRAM

SUMMARY
(\$ IN THOUSANDS)

JUN 2001

<u>Summary Recap of Budget Activities</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
Basic Research	208,178	212,688	220,869
Applied Research	587,044	656,775	696,179
Advanced Technology Development	563,737	586,730	464,769
Demonstration and Validation	909,962	1,065,604	1,037,136
Engineering and Manufacturing Development	4,295,166	3,491,209	3,406,201
RDT&E Management Support	775,534	601,508	622,855
Operational Systems Development	7,187,752	7,378,255	7,895,973
Total Research, Development, Test & Eval, AF	14,527,373	13,992,769	14,343,982
 <u>Summary Recap of FYDP Programs</u>			
Strategic Forces	57,451	61,846	76,202
General Purpose Forces	1,652,586	1,653,512	1,713,713
Intelligence and Communications	5,115,485	5,184,777	5,565,413
Mobility Forces	247,097	349,106	458,388
Research and Development	7,318,390	6,596,105	6,406,376
Central Supply and Maintenance	120,394	133,301	102,716
Training Medical and Other			309
Administration and Associated Activities	11,698	7,143	17,019
Support of Other Nations	4,272	6,979	3,846
Total Research, Development, Test & Eval, AF	14,527,373	13,992,769	14,343,982

DEPARTMENT OF THE AIR FORCE
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
1	0601102F	Defense Research Sciences	1	208,178	212,688	220,869	U
		Basic Research		208,178	212,688	220,869	
2	0602102F	Materials	2	75,541	96,422	77,164	U
3	0602201F	Aerospace Vehicle Technologies	2	48,870	53,183	97,465	U
4	0602202F	Human Effectiveness Applied Research	2	68,642	66,404	69,080	U
5	0602203F	Aerospace Propulsion	2	76,285	123,618	149,211	U
6	0602204F	Aerospace Sensors	2	59,653	67,024	84,149	U
7	0602269F	Hypersonic Technology Program	2	15,455			U
8	0602601F	Space Technology	2	141,083	68,850	61,086	U
9	0602602F	Conventional Munitions	2	36,466	52,734	49,270	U
10	0602605F	Directed Energy Technology	2		32,041	36,678	U
11	0602702F	Command Control and Communications	2	55,551	86,448	61,659	U
12	0602805F	Dual Use Science and Technology Program	2	9,498	10,051	10,417	U
		Applied Research		587,044	656,775	696,179	
13	0603106F	Logistics Systems Technology	3	10,896	13,768		U
14	0603112F	Advanced Materials for Weapon Systems	3	33,134	43,575	32,748	U
15	0603202F	Aerospace Propulsion Subsystems Integration	3	18,912	34,619		U
16	0603203F	Advanced Aerospace Sensors	3	36,360	46,381	55,809	U
17	0603205F	Flight Vehicle Technology	3	5,554	10,944		U
18	0603211F	Aerospace Technology Dev/Demo	3	16,576	18,291	26,269	U
19	0603216F	Aerospace Propulsion and Power Technology	3	35,345	43,413	114,335	U

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FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
20	0603227F	Personnel, Training and Simulation Technology	3	5,878	6,432		U
21	0603231F	Crew Systems and Personnel Protection Technology	3	31,474	17,319	32,356	U
22	0603245F	Flight Vehicle Technology Integration	3	7,710	17,960		U
23	0603253F	Advanced Sensor Integration	3	10,069	5,301		U
24	0603270F	Electronic Combat Technology	3	34,163	26,636	28,221	U
25	0603302F	Space and Missile Rocket Propulsion	3	16,097	27,776		U
26	0603311F	Ballistic Missile Technology	3	22,218	22,789		U
27	0603401F	Advanced Spacecraft Technology	3	102,511	63,019	54,528	U
28	0603410F	Space Systems Environmental Interactions Technology	3	3,312	3,381		U
29	0603444F	Maui Space Surveillance System (MSSS)	3		19,445	6,484	U
30	0603601F	Conventional Weapons Technology	3	19,552	22,523	37,617	U
31	0603605F	Advanced Weapons Technology	3	52,336	42,973	43,758	U
32	0603723F	Environmental Engineering Technology	3	5,313	991		U
33	0603726F	Aerospace Info Tech Sys Integration	3	8,522	7,361		U
34	0603789F	C3I Advanced Development	3	18,879	19,289	32,644	U
35	0603876F	Space-Based Laser	3	68,926	72,544		U
		Advanced Technology Development		563,737	586,730	464,769	
36	0603260F	Intelligence Advanced Development	4	4,048	4,360	4,482	U
37	0603319F	Airborne Laser Program	4	311,365	231,494	0	U

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APPROPRIATION: 3600F Research, Development, Test & Eval, AF

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
38	0603421F	NAVSTAR Global Positioning System III	4			78,358	U
39	0603430F	Advanced EHF MILSATCOM (SPACE)	4	89,824	244,135	549,659	U
40	0603432F	Polar MILSATCOM (SPACE)	4	37,555	25,829	18,724	U
41	0603434F	National Polar-orbiting Operational Environmental Satellite Sys (SPACE) - D	4	56,380	75,950	157,394	U
42	0603438F	Space Control Technology	4	12,258	7,897	33,022	U
43	0603617F	Command, Control, and Communication Applications	4	5,175	7,756		U
44	0603742F	Combat Identification Technology	4	6,434	10,832	11,523	U
45	0603790F	NATO Research and Development	4	4,091	5,458	5,616	U
46	0603800F	Joint Strike Fighter	4	249,088	240,821		U
47	0603850F	Integrated Broadcast Service (Dem/ Val)	4	23,924	15,643	20,529	U
48	0603851F	Intercontinental Ballistic Missile - Dem/Val	4	44,097	50,975	44,484	U
49	0603854F	Wideband Gapfiller System RDT&E (Space)	4	45,570	121,661	96,670	U
50	0603856F	Air Force/National Program Cooperation (AFNPC)	4		2,348	4,433	U
51	0603859F	Pollution Prevention (Dem/Val)	4		2,519	2,688	U
52	0603860F	Joint Precision Approach and Landing Systems - Dem/Val	4	15,461	17,926	9,554	U
53	0604327F	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	4	4,692			U
		Demonstration and Validation		909,962	1,065,604	1,037,136	
54	0603840F	Global Broadcast Service (GBS)	5			34,544	U

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EXHIBIT R-1

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
55	0604012F	Joint Helmet Mounted Cueing System (JHMCS)	5	16,711	1,300	5,960	U
56	0604201F	Integrated Avionics Planning and Development	5	675			U
57	0604222F	Nuclear Weapons Support	5	8,134	10,039	13,120	U
58	0604226F	B-1B	5	155,668	156,671	194,507	U
59	0604227F	Distributed Mission Training (DMT)	5	3,469	3,748		U
60	0604233F	Specialized Undergraduate Pilot Training	5	43,638	23,634	4,885	U
61	0604239F	F-22 EMD	5	2,239,065	1,398,835	865,464	U
62	0604240F	B-2 Advanced Technology Bomber	5	286,381	129,118	155,004	U
63	0604251F	Space-Based Radar EMD	5			50,000	U
64	0604270F	EW Development	5	69,266	52,611	41,267	U
65	0604328F	Extended Range Cruise Missile (ERCM)	5		39,633	40,235	U
66	0604329F	Small Diameter Bomb (SDB) (DEM/ VAL)	5		11,889	40,000	U
67	0604441F	Space Based Infrared System (SBIRS) High EMD	5	400,348	563,967	405,229	U
68	0604442F	Space Based Infrared System (SBIRS) Low EMD	5	218,088	238,810		U
69	0604479F	Milstar LDR/MDR Satellite Communications (SPACE)	5	345,590	235,164	232,084	U
70	0604600F	Munitions Dispenser Development	5	4,961			U
71	0604602F	Armament/Ordnance Development	5	18,046	9,786	3,838	U
72	0604604F	Submunitions	5	7,470	4,732	4,809	U
73	0604617F	Agile Combat Support	5		3,383	6,674	U
74	0604618F	Joint Direct Attack Munition	5	11,304	11,055	27,956	U

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EXHIBIT R-1

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C	
				FY 2000	FY 2001	FY 2002		
75	0604703F	Aeromedical/Chemical Defense Systems	5	5,297	5,874		U	
76	0604706F	Life Support Systems	5	11,113	26,215	4,586	U	
77	0604708F	Civil, Fire, Environmental, Shelter Engineering	5	2,595			U	
78	0604727F	Joint Standoff Weapons Systems	5	9,621	1,485		U	
79	0604735F	Combat Training Ranges	5	11,484	16,407	25,943	U	
80	0604740F	Integrated Command & Control Applications (IC2A)	5	5,871	7,941	224	U	
81	0604750F	Intelligence Equipment	5	830	4,754	1,323	U	
82	0604754F	Tactical Data Link Infrastructure	5	11,687	8,665	17,648	U	
83	0604762F	Common Low Observables Verification System (CLOVerS)	5	9,704	11,515	6,713	U	
84	0604779F	Tactical Data Link Interoperability	5	5,080	5,771	5,677	U	
85	0604800F	Joint Strike Fighter EMD	5		100,346	769,511	U	
86	0604805F	Commercial Operations and Support Savings Initiative	5	17,272	19,669		U	
87	0604851F	Intercontinental Ballistic Missile - EMD	5	36,096	18,157	81,086	U	
88	0604853F	Evolved Expendable Launch Vehicle Program (SPACE) - EMD	5	321,969	329,897	320,321	U	
89	0605011F	RDT&E for Aging Aircraft	5	4,870	25,468	20,115	U	
90	0207249F	Precision Attack Systems Procurement	5		3,928	5,984	U	
91	0305176F	Combat Survivor Evader Locator	5	12,863	10,742	11,486	U	
92	0401318F	CV-22	5			10,008	U	
Engineering and Manufacturing Development					4,295,166	3,491,209	3,406,201	

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APPROPRIATION: 3600F Research, Development, Test & Eval, AF

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
93	0604256F	Threat Simulator Development	6	29,759	34,466	38,153	U
94	0604759F	Major T&E Investment	6	54,072	67,631	49,857	U
95	0605101F	RAND Project Air Force	6	24,081	21,877	25,098	U
96	0605306F	Ranch Hand II Epidemiology Study	6	4,183	4,315	10,950	U
97	0605502F	Small Business Innovation Research	6	196,607			U
98	0605712F	Initial Operational Test & Evaluation	6	26,801	32,933	28,998	U
99	0605807F	Test and Evaluation Support	6	377,169	382,663	396,583	U
100	0605854F	Pollution Prevention	6	2,437			U
101	0605860F	Rocket Systems Launch Program (SPACE)	6	7,288	7,834	8,538	U
102	0605864F	Space Test Program (STP)	6	44,769	46,050	50,523	U
103	0804731F	General Skill Training	6			309	U
104	0909900F	Financing for Expired Account Adjustments	6	4,796			U
105	0909980F	Judgment Fund Reimbursement	6			10,000	U
106	1001004F	International Activities	6	3,572	3,739	3,846	U
		RDT&E Management Support		775,534	601,508	622,855	
107	0101113F	B-52 Squadrons	7	38,440	50,321	66,874	U
108	0101120F	Advanced Cruise Missile	7		4,144	2,487	U
109	0101122F	Air-Launched Cruise Missile (ALCM)	7	5,104	6,398	6,841	U
110	0102325F	Atmospheric Early Warning System	7	350			U
111	0102326F	Region/Sector Operation Control Center Modernization Program	7	11,557	983		U
112	0102411F	North Atlantic Defense System	7	2,000			U

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FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
113	0203761F	Warfighter Rapid Acquisition Process (WRAP) Rapid Transition Fund	7			30,247	U
114	0207027F	AC2ISR Center	7		24,542		U
115	0207028F	Joint Expeditionary Force Experiment	7			64,005	U
116	0207131F	A-10 Squadrons	7	7,746	9,626	3,049	U
117	0207133F	F-16 Squadrons	7	106,623	122,767	110,797	U
118	0207134F	F-15E Squadrons	7	120,868	68,228	101,439	U
119	0207136F	Manned Destructive Suppression	7	3,188	14,535	22,239	U
120	0207138F	F-22 Squadrons	7			16,092	U
121	0207141F	F-117A Squadrons	7	11,107	3,876	2,305	U
122	0207161F	Tactical AIM Missiles	7	39,409	21,507	5,771	U
123	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	49,597	53,214	57,702	U
124	0207247F	AF TENCAP	7	14,704	13,699	10,811	U
125	0207248F	Special Evaluation Program	7	79,571	74,751	100,027	U
126	0207253F	Compass Call	7	13,780	21,634	3,908	U
127	0207268F	Aircraft Engine Component Improvement Program	7	151,546	165,395	175,101	U
128	0207277F	CSAF Innovation Program	7			1,961	U
129	0207320F	Sensor Fused Weapons	7	11,000			U
130	0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	7	154,376	115,214	79,197	U
131	0207410F	Aerospace Operations Center (AOC)	7			19,514	U
132	0207412F	Control and Reporting Center (CRC)	7	6,205	19,691	7,047	U

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FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
133	0207417F	Airborne Warning and Control System (AWACS)	7	43,382	35,325	39,787	U
134	0207423F	Advanced Communications Systems	7		2,840	9,324	U
135	0207424F	Evaluation and Analysis Program	7	70,444	80,284	204,467	U
136	0207433F	Advanced Program Technology	7	84,763	89,881	107,716	U
137	0207438F	Theater Battle Management (TBM) C4I	7	39,940	44,159	37,331	U
138	0207581F	Joint Surveillance and Target Attack Radar System (Joint STARS)	7	135,578	147,750	147,859	U
139	0207590F	Seek Eagle	7	22,093	19,294	17,833	U
140	0207591F	Advanced Program Evaluation	7	259,093	263,122	82,397	U
141	0207601F	USAF Modeling and Simulation	7	20,209	17,859	25,345	U
142	0207605F	Wargaming and Simulation Centers	7	18,826	7,802	5,033	U
143	0207701F	Full Combat Mission Training	7			3,763	U
144	0208006F	Mission Planning Systems	7	17,136	20,565	16,904	U
145	0208021F	Information Warfare Support	7	4,738		1,803	U
146	0208031F	War Reserve Materiel - Equipment/Secondary Items	7	1,401	1,462		U
147	0208060F	Theater Missile Defenses	7	27,987	19,642		U
148	0208160F	Technical Evaluation System	7	82,849	97,361	154,621	U
149	0208161F	Special Evaluation System	7	54,427	73,559	42,334	U
150	0301310F	National Air Intelligence Center	7				
151	0301314F	COBRA BALL	7				
152	0301315F	Missile and Space Technical Collection	7				
153	0301324F	FOREST GREEN	7				

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EXHIBIT R-1

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
154	0301357F	NUDET Detection System	7	3,171			U
155	0301398F	Management Headquarters GDIP	7				
156	0302015F	E-4B National Airborne Operations Center (NAOC)	7	10,780	34,094	23,359	U
157	0303110F	Defense Satellite Communications System (SPACE)	7	3,456	7,261	3,895	U
158	0303112F	Air Force Communications (AIRCOM)	7		11,373	31,828	U
159	0303131F	Minimum Essential Emergency Communications Network (MEECN)	7	42,733	15,161	5,982	U
160	0303140F	Information Systems Security Program	7	20,274	29,232	7,936	U
161	0303141F	Global Combat Support System	7	19,636	45,943	48,911	U
162	0303150F	Global Command and Control System	7	3,419	3,709	3,521	U
163	0303401F	Communications Security (COMSEC)	7		4,812	4,131	U
164	0303601F	MILSATCOM Terminals	7	7,572	17,634	41,763	U
165	0304111F	Special Activities	7				
166	0304311F	Selected Activities	7	3,058		79,208	U
167	0305099F	Global Air Traffic Management (GATM)	7	5,653	8,430	9,331	U
168	0305110F	Satellite Control Network (SPACE)	7	54,731	58,105	56,349	U
169	0305111F	Weather Service	7	16,393	19,759	11,452	U
170	0305114F	Air Traffic Control, Approach, and Landing System (ATCALs)	7	6,023	47,651	26,982	U
171	0305128F	Security and Investigative Activities	7	1,407	463	472	U
172	0305142F	Applied Technology and Integration	7				
173	0305144F	Titan Space Launch Vehicles (SPACE)	7	30,824	25,578	21,293	U

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APPROPRIATION: 3600F Research, Development, Test & Eval, AF

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
174	0305159F	Defense Reconnaissance Support Activities (SPACE)	7	36,491	41,218	46,578	U
175	0305160F	Defense Meteorological Satellite Program (SPACE)	7	20,339	25,139	12,259	U
176	0305164F	NAVSTAR Global Positioning System (User Equipment) (SPACE)	7	39,004	66,360	53,093	U
177	0305165F	NAVSTAR Global Positioning System (Space and Control Segments)	7	106,849	258,592	186,459	U
178	0305172F	Combined Advanced Applications	7				
179	0305182F	Spacelift Range System (SPACE)	7	48,303	84,373	65,097	U
180	0305202F	Dragon U-2 (JMIP)	7		32,248	32,804	U
181	0305205F	Endurance Unmanned Aerial Vehicles	7	76,238	126,047	190,237	U
182	0305206F	Airborne Reconnaissance Systems	7	138,385	144,190	77,766	U
183	0305207F	Manned Reconnaissance Systems	7	24,333	15,357		U
184	0305208F	Distributed Common Ground Systems	7	24,576	25,593	11,429	U
185	0305906F	NCMC - TW/AA System	7	13,566	19,132	15,797	U
186	0305910F	SPACETRACK (SPACE)	7	58,170	2,529	32,591	U
187	0305911F	Defense Support Program (SPACE)	7	7,708	9,374	6,363	U
188	0305913F	NUDET Detection System (SPACE)	7	13,497	11,977	18,823	U
189	0305917F	Space Architect	7	10,696			U
190	0308601F	Modeling and Simulation Support	7		1,165		U
191	0308699F	Shared Early Warning (SEW)	7	11,113	4,180	3,697	U
192	0401115F	C-130 Airlift Squadron	7	8,561	59,941	80,533	U
193	0401119F	C-5 Airlift Squadrons	7	55,873	91,681	166,508	U
194	0401130F	C-17 Aircraft	7	153,252	174,821	110,619	U

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APPROPRIATION: 3600F Research, Development, Test & Eval, AF

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
195	0401134F	Large Aircraft IR Countermeasures (LAIRCM)	7			62,530	U
196	0401214F	Air Cargo Material Handling (463- L) (Non-IF)	7	368			U
197	0401218F	KC-135s	7	2,027	483	5,416	U
198	0401219F	KC-10s	7	27,016	19,347	22,774	U
199	0404011F	Special Operations Forces	7		2,833		U
200	0702207F	Depot Maintenance (Non-IF)	7	4,605	3,482	1,542	U
201	0708011F	Industrial Preparedness	7	50,913	58,342	53,782	U
202	0708026F	Productivity, Reliability, Availability, Maintain. Prog Ofc (PRAMPO)	7	22,108	21,032	20,689	U
203	0708071F	Joint Logistics Program - Ammunition Standard System	7	11,829	6,635	106	U
204	0708611F	Support Systems Development	7	30,939	40,484	24,221	U
205	0708612F	Computer Resources Support Improvement Program (CRSIP)	7		3,326	2,376	U
206	0901218F	Civilian Compensation Program	7	6,902	7,143	7,019	U
207	1001018F	NATO Joint STARS	7	700	3,240		U
Operational Systems Development				7,187,752	7,378,255	7,895,973	
Total Research, Development, Test & Eval, AF				14,527,373	13,992,769	14,343,982	

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FY 2002 RDT&E PROGRAM

SUMMARY
(\$ IN THOUSANDS)

JUN 2001

<u>Summary Recap of Budget Activities</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
Basic Research	361,939	500,430	454,691
Applied Research	1,422,275	1,532,762	1,646,776
Advanced Technology Development	1,767,065	1,811,084	1,986,307
Demonstration and Validation	2,743,693	3,275,316	7,065,905
Engineering and Manufacturing Development	834,635	1,171,613	381,374
RDT&E Management Support	340,057	414,079	466,349
Operational Systems Development	2,081,073	2,347,639	3,049,385
Total Research, Development, Test & Eval, Defwide	9,550,737	11,052,923	15,050,787
 <u>Summary Recap of FYDP Programs</u>			
General Purpose Forces	27,007	47,506	53,552
Intelligence and Communications	1,780,764	2,035,803	2,681,999
Research and Development	7,461,792	8,633,915	11,914,608
Central Supply and Maintenance	13,472	9,006	17,544
Administration and Associated Activities	32,703	56,927	45,641
Special Operations Forces	234,999	269,766	337,443
Total Research, Development, Test & Eval, Defwide	9,550,737	11,052,923	15,050,787

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FY 2002 RDT&E PROGRAM

SUMMARY
(\$ IN THOUSANDS)

JUN 2001

<u>Summary Recap of Defensewide</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
Special Operations Command	234,999	273,531	341,865
Defense Contract Management Agency		17,283	12,216
Chemical and Biological Defense Program	390,178	391,883	507,651
National Imagery And Mapping Agency			
Defense Threat Reduction Agency	430,029	362,770	440,691
Ballistic Missile Defense Organization	3,456,830	4,204,424	7,036,480
Office Of Secretary Of Defense	1,177,324	1,506,141	1,595,360
Defense Adv Research Projects Agcy	1,850,170	2,010,080	2,281,483
National Security Agency			
Joint Chiefs of Staff	55,061	92,406	59,962
Defense Information Systems Agency	109,436	204,173	218,541
Defense Intelligence Agency			
Defense Contract Audit Agency			550
Defense Logistics Agency	109,213	64,721	53,026
DoD Human Resources Activity		35,246	8,834
Defense Security Cooperation Agency		1,914	1,922
Defense Security Service	436	440	664
Total Research, Development, Test & Eval, Defwide	9,550,737	11,052,923	15,050,787

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FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
1	0601101D8Z	In-House Laboratory Independent Research	1	2,019	1,989	2,097	U
2	0601101E	Defense Research Sciences	1	62,940	108,806	121,003	U
3	0601103D8Z	University Research Initiatives	1	223,366	292,286	240,374	U
4	0601105D8Z	Force Health Protection	1	24,645	29,366	26,952	U
5	0601108D8Z	High Energy Laser Research Initiatives	1			11,877	U
6	0601111D8Z	Government/Industry Cosponsorship of University Research	1	6,142	6,654	3,421	U
7	0601114D8Z	Defense Experimental Program to Stimulate Competitive Resear	1		21,797	9,901	U
8	0601384BP	Chemical and Biological Defense Program	1	42,827	39,532	39,066	U
	Basic Research			361,939	500,430	454,691	
9	0602110E	Next Generation Internet	2	35,425	14,862		U
10	0602173C	Support Technologies - Applied Research	2	89,290	55,731		U
11	0602227D8Z	Medical Free Electron Laser	2	11,556	19,845	14,660	U
12	0602228D8Z	Historically Black Colleges and Universities (HBCU) Science	2	15,743	22,031	14,484	U
13	0602234D8Z	Lincoln Laboratory Research Program	2	17,081	19,917	21,969	U
14	0602301E	Computing Systems and Communications Technology	2	308,129	330,722	382,294	U
15	0602302E	Embedded Software and Pervasive Computing	2	30,000	52,407	75,561	U
16	0602383E	Biological Warfare Defense	2	124,272	166,769	140,080	U
17	0602384BP	Chemical and Biological Defense Program	2	90,557	81,061	125,481	U

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FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
18	0602702E	Tactical Technology	2	144,194	215,896	173,885	U
19	0602708E	Integrated Command and Control Technology	2	37,218	38,406		U
20	0602712E	Materials and Electronics Technology	2	239,526	261,883	358,254	U
21	0602715BR	Nuclear Sustainment & Counterproliferation Technologies	2	268,502	214,865	295,132	U
22	0602787D8Z	Medical Technology	2	8,829	8,600	8,971	U
23	0602890D8Z	High Energy Laser Research	2		29,767	36,005	U
24	0305108K	Command and Control Research	2	1,953			U
		Applied Research		1,422,275	1,532,762	1,646,776	
25	0603002D8Z	Medical Advanced Technology	3	1,986	2,025	2,086	U
26	0603104D8Z	Explosives Demilitarization Technology	3	24,017	29,886	8,815	U
27	0603121D8Z	SO/LIC Advanced Development	3		8,543	8,799	U
28	0603122D8Z	Combating Terrorism Technology Support	3	55,324	48,852	42,243	U
29	0603160BR	Counterproliferation Advanced Development Technologies	3	79,862	76,624	89,772	U
30	0603173C	Support Technologies - Advanced Technology Development	3	212,281	130,837		U
31	0603174C	Space Based Lasers (SBL)	3		73,712		U
32	0603175C	Ballistic Missile Defense Technology	3			132,890	U
33	0603225D8Z	Joint DoD-DoE Munitions Technology Development	3	14,237	16,516	19,178	U
34	0603232D8Z	Automatic Target Recognition	3	3,588	7,465	7,716	U
35	0603285E	Advanced Aerospace Systems	3	19,187	37,474	153,700	U

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FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
36	0603384BP	Chemical and Biological Defense Program - Advanced Development	3	44,705	59,905	69,249	U
37	0603704D8Z	Special Technical Support	3	15,670	29,304	11,019	U
38	0603711BR	Arms Control Technology	3	73,908	67,380	52,474	U
39	0603712S	Generic Logistics R&D Technology Demonstrations	3	22,671	47,740	30,373	U
40	0603716D8Z	Strategic Environmental Research Program	3	56,945	59,007	69,376	U
41	0603727D8Z	Joint Warfighting Program	3	7,634	7,538	7,613	U
42	0603728D8Z	Agile Port Demonstration	3		7,432		U
43	0603738D8Z	Cooperative DoD/VA Medical Research	3	7,674	991		U
44	0603739E	Advanced Electronics Technologies	3	245,187	219,467	177,264	U
45	0603750D8Z	Advanced Concept Technology Demonstrations	3	104,384	118,744	148,917	U
46	0603755D8Z	High Performance Computing Modernization Program	3	162,877	171,727	188,376	U
47	0603760E	Command, Control and Communications Systems	3	175,665	128,778	117,451	U
48	0603762E	Sensor and Guidance Technology	3	176,843	139,858	203,095	U
49	0603763E	Marine Technology	3	21,845	27,937	41,497	U
50	0603764E	Land Warfare Technology	3	94,578	129,025	153,067	U
51	0603765E	Classified DARPA Programs	3	55,206	100,457	142,395	U
52	0603781D8Z	Software Engineering Institute	3			21,091	U
53	0603805S	Dual Use Application Programs	3	7,714			U
54	0603826D8Z	Quick Reaction Projects	3			25,000	U

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EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
55	0603832D8Z	Joint Wargaming Simulation Management Office	3	75,416	62,390	45,065	U
56	0603924D8Z	High Energy Laser Advanced Technology Program	3			16,005	U
57	0605160D8Z	Counterproliferation Support	3	1,742	1,470	1,781	U
58	0303132G	Global Grid Communications	3				
	Advanced Technology Development			1,767,065	1,811,084	1,986,307	
59	0603228D8Z	Physical Security Equipment	4	25,589	25,866	33,543	U
60	0603709D8Z	Joint Robotics Program	4	17,448	13,667	11,302	U
61	0603714D8Z	Advanced Sensor Applications Program	4	26,862	38,010	15,780	U
62	0603736D8Z	CALS Initiative	4	5,383	8,522	1,614	U
63	0603851D8Z	Environmental Security Technical Certification Program	4	22,806	28,987	25,314	U
64	0603861C	Theater High-Altitude Area Defense System - TMD - Dem/Val	4	508,191			U
65	0603868C	Navy Theater Wide Missile Defense System	4	370,686	456,372		U
66	0603869C	Meads Concepts - Dem/Val	4	49,476	52,643		U
67	0603870C	Boost Phase Intercept Theater Missile Defense Acquisition - Dem/ Val	4	4,682			U
68	0603871C	National Missile Defense - Dem/Val	4	949,922	1,853,527		U
69	0603872C	Joint Theater Missile Defense - Dem/Val	4	198,567			U
70	0603873C	Family-of Systems Engineering and Integration (FoS E&I)	4	145,499	225,944		U
71	0603874C	BMD Technical Operations	4	216,910	308,415		U
72	0603875C	International Cooperative Programs	4	83,984	129,699		U

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EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
73	0603876C	Threat and Countermeasures	4	21,575	22,414		U
74	0603880C	Ballistic Missile Defense System Segment	4			779,584	U
75	0603881C	Ballistic Missile Defense Terminal Defense Segment	4			968,180	U
76	0603882C	Ballistic Missile Defense Midcourse Defense Segment	4			3,940,534	U
77	0603883C	Ballistic Missile Defense Boost Defense Segment	4			685,363	U
78	0603884BP	Chemical and Biological Defense Program - Dem/Val	4	67,456	84,992	82,636	U
79	0603884C	Ballistic Missile Defense Sensors	4			495,600	U
80	0603892D8Z	ASAT	4	7,100			U
81	0603920D8Z	Humanitarian Demining	4	18,200	12,611	13,512	U
82	0603923D8Z	Coalition Warfare	4		5,945	12,943	U
83	0604722D8Z	Joint Service Education and Training Systems Development	4	3,357	2,973		U
84	0901585C	Pentagon Reservation	4		4,729		U
		Demonstration and Validation		2,743,693	3,275,316	7,065,905	
85	0604384BP	Chemical and Biological Defense Program - EMD	5	112,908	102,707	159,943	U
86	0604709D8Z	Joint Robotics Program - EMD	5	14,545	14,915	13,197	U
87	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	5	13,026	12,933	14,254	U
88	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	5	29,336	16,100	16,572	U
89	0604805D8Z	Commercial Operations and Support Savings Initiative	5	11,554			U

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EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
90	0604861C	Theater High-Altitude Area Defense System - TMD - EMD	5	81,614	540,998		U
91	0604865C	Patriot PAC-3 Theater Missile Defense Acquisition - EMD	5	220,674	79,851		U
92	0604867C	Navy Area Theater Missile Defense - EMD	5	303,479	269,552		U
93	0605013BL	Information Technology Development	5		1,659	2,469	U
94	0605013D8Z	Information Technology Development	5		12,629		U
95	0605014S	Information Technology Development (DHRA)	5	47,499			U
96	0605014SE	Information Technology Development	5		26,550		U
97	0605015BL	Information Technology Development-Standard Procurement System (SPS)	5		15,624	9,747	U
98	0605016D8Z	Financial Management Modernization Program	5			100,000	U
99	0303129K	Defense Message System	5		10,778	11,423	U
100	0303140K	Information Systems Security Program	5		19,780	11,767	U
101	0303141K	Global Combat Support System	5		20,834	16,483	U
102	0305840K	Electronic Commerce	5		26,703	25,519	U
		Engineering and Manufacturing Development		834,635	1,171,613	381,374	
103	0603858D8Z	Unexploded Ordnance Detection and Clearance	6	1,188	1,194	1,165	U
104	0604943D8Z	Thermal Vicar	6		4,838	5,952	U
105	0605104D8Z	Technical Studies, Support and Analysis	6	27,902	30,315	33,805	U
106	0605110BR	Critical Technology Support	6	2,499	3,901	3,313	U
107	0605114E	BLACK LIGHT	6	4,961	4,954	5,000	U

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EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
108	0605116D8Z	General Support to C3I	6	5,611	58,227	21,061	U
109	0605117D8Z	Foreign Material Acquisition and Exploitation	6	63,751	71,632	31,951	U
110	0605123D8Z	Interagency Export License Automation	6	1,500	5,945	10,559	U
111	0605124D8Z	Defense Travel System	6		9,038	29,955	U
112	0605126J	Joint Theater Air and Missile Defense Organization	6	18,379	21,006	26,865	U
113	0605128D8Z	Classified Program USD(P)	6	11,185	8,842		U
114	0605130D8Z	Foreign Comparative Testing	6		31,405	30,907	U
115	0605160BR	Counterproliferation Support	6	5,258			U
116	0605384BP	Chemical and Biological Defense Program	6	31,725	23,686	31,276	U
117	0605502D8Z	Small Business Innovative Research	6	25,516			U
118	0605502E	Small Business Innovative Research	6	42,831			U
119	0605710D8Z	Classified Programs - C3I	6	574	636	56,653	U
120	0605790D8Z	Small Business Innovation Research/Challenge Administration	6	1,662	1,713	2,068	U
121	0605798S	Defense Technology Analysis	6	9,773	7,975	5,109	U
122	0605801K	Defense Technical Information Services (DTIC)	6	45,495	44,187	44,228	U
123	0605803S	R&D in Support of DoD Enlistment, Testing and Evaluation	6	8,084			U
124	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	6		8,696	8,834	U
125	0605804D8Z	Development Test and Evaluation	6		43,510	46,382	U
126	0605898E	Management Headquarters (Research and Development)DARPA	6	32,163	32,379	36,937	U

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EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
127	0901585C	Pentagon Reservation	6			6,571	U
128	0901598C	Management Headquarters-BMDO	6			27,758	U
		RDT&E Management Support		340,057	414,079	466,349	
129	0604805D8Z	Commercial Operations and Support Savings Initiative	7		9,541	10,805	U
130	0605127T	Partnership for Peace (PfP) Information Management System	7		1,914	1,922	U
131	0208045K	C4I Interoperability	7	25,999	35,672	41,389	U
132	0208052J	Joint Analytical Model Improvement Program	7	1,008	11,834	12,163	U
133	0300205R	Information Technology Systems	7			550	U
134	0301011G	Cryptologic Activities	7				
135	0301301L	General Defense Intelligence Program	7				
136	0301398L	Management Headquarters GDIP, DIA	7				
137	0302016K	National Military Command System-Wide Support	7	497	610	1,014	U
138	0302019K	Defense Info Infrastructure Engineering and Integration	7	4,621	6,773	6,544	U
139	0303126K	Long Haul Communications (DCS)	7	1,205	1,346	10,744	U
140	0303127K	Support of the National Communications System	7	3,373	4,235	4,968	U
141	0303131K	Minimum Essential Emergency Communications Network (MEECN)	7	4,660	7,223	6,988	U
142	0303140G	Information Systems Security Program	7	244,109	307,722	414,844	U
143	0303149J	C4I for the Warrior	7	2,971	7,368	9,622	U
144	0303149K	C4I for the Warrior	7	250	401		U

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FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
145	0303153K	Joint Spectrum Center	7	8,357	8,198	8,849	U
146	0303610K	Teleport Program	7		4,500	14,371	U
147	0304210BB	Special Reconnaissance Capabilities (SRC) Program	7		3,765	4,422	U
148	0304345BQ	National Imagery and Mapping Program	7				
149	0305102BQ	Defense Imagery and Mapping Program	7	102,708	102,035	115,209	U
150	0305127V	Foreign Counterintelligence Activities	7	436	440	664	U
151	0305146D8Z	Defense Joint Counterintelligence Program (JMIP)	7			5,977	U
152	0305190D8Z	C3I Intelligence Programs	7	15,380	24,938	10,552	U
153	0305191D8Z	Technology Development	7			40,000	U
154	0305202G	Dragon U-2 (JMIP)	7	4,620	4,338	4,019	U
155	0305206G	Airborne Reconnaissance Systems	7	21,716	13,391	16,515	U
156	0305207G	Manned Reconnaissance Systems	7	9,830	4,501	4,556	U
157	0305208BQ	Distributed Common Ground Systems	7				
158	0305208G	Distributed Common Ground Systems	7				
159	0305208L	Distributed Common Ground Systems	7	987	987	1,006	U
160	0305884L	Intelligence Planning and Review Activities	7				
161	0305885G	Tactical Cryptologic Activities	7	108,255	94,794	105,455	U
162	0305889G	Counterdrug Intelligence Support	7	8,343			U
163	0708011S	Industrial Preparedness	7	13,472	9,006	17,544	U
164	0902298J	Management Headquarters (OJCS)	7	12,282	10,490	11,312	U
165	0902740J	Joint Simulation System	7	20,421	41,708		U

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EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
166	1160279BB	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	7	4,896	5,160		U
167	1160401BB	Special Operations Technology Development	7	6,875	9,957		U
168	1160402BB	Special Operations Advanced Technology Development	7	7,744	13,615		U
169	1160404BB	Special Operations Tactical Systems Development	7	148,472	157,130		U
170	1160405BB	Special Operations Intelligence Systems Development	7	5,773	7,790		U
171	1160407BB	SOF Medical Technology Development	7	3,863	2,004		U
172	1160408BB	SOF Operational Enhancements	7	57,376	74,110	85,109	U
173	1160444BB	SOF Acquisition	7			252,334	U
	Operational Systems Development			2,081,073	2,347,639	3,049,385	
Total Research, Development, Test & Eval, Defwide				9,550,737	11,052,923	15,050,787	

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FY 2002 RDT&E PROGRAM

SUMMARY
(\$ IN THOUSANDS)

JUN 2001

Summary Recap of Budget Activities

	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
RDT&E Management Support	264,582		
Total Developmental Test & Eval, Defense	264,582		

Summary Recap of FYDP Programs

Research and Development	264,582		
Total Developmental Test & Eval, Defense	264,582		

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 FY 2002 RDT&E PROGRAM

APPROPRIATION: 0450D Developmental Test & Eval, Defense

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
1	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	6	132,866			U
2	0605130D8Z	Foreign Comparative Testing	6	31,876			U
3	0605804D8Z	Development Test and Evaluation	6	99,840			U
		RDT&E Management Support		264,582	-----	-----	
		Total Developmental Test & Eval, Defense		264,582	-----	-----	

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FY 2002 RDT&E PROGRAM

SUMMARY
(\$ IN THOUSANDS)

JUN 2001

<u>Summary Recap of Budget Activities</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
Advanced Technology Development			16,000
RDT&E Management Support	31,271	224,975	201,355
Total Operational Test & Eval, Defense	31,271	224,975	217,355
 <u>Summary Recap of FYDP Programs</u>			
Research and Development	31,271	224,975	217,355
Total Operational Test & Eval, Defense	31,271	224,975	217,355

UNCLASSIFIED

DEFENSE-WIDE
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0460D Operational Test & Eval, Defense

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
1	0603941D8Z	Test, Evaluation Science and Technology	3			16,000	U
		APPLIED RESEARCH				16,000	
2	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	6		134,157	113,642	U
3	0605118D8Z	Operational Test and Evaluation	6	14,602	20,978	17,379	U
4	0605131D8Z	Live Fire Testing	6	16,669	17,054	9,887	U
5	0605804D8Z	Development Test and Evaluation	6		52,786	59,447	U
6	0605806D8Z	Implementing DSB Recommendations	6			1,000	U
		RDT&E Management Support		31,271	224,975	201,355	
		Total Operational Test & Eval, Defense		31,271	224,975	217,355	

Special Operations Command
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
147	0304210BB	Special Reconnaissance Capabilities (SRC) Program	7		3,765	4,422	U
		Operational Systems Development			3,765	4,422	
166	1160279BB	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	7	4,896	5,160		U
167	1160401BB	Special Operations Technology Development	7	6,875	9,957		U
168	1160402BB	Special Operations Advanced Technology Development	7	7,744	13,615		U
169	1160404BB	Special Operations Tactical Systems Development	7	148,472	157,130		U
170	1160405BB	Special Operations Intelligence Systems Development	7	5,773	7,790		U
171	1160407BB	SOF Medical Technology Development	7	3,863	2,004		U
172	1160408BB	SOF Operational Enhancements	7	57,376	74,110	85,109	U
173	1160444BB	SOF Acquisition	7			252,334	U
		Operational Systems Development		234,999	269,766	337,443	
		Total Special Operations Command		234,999	273,531	341,865	

Defense Contract Management Agency
 FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
93	0605013BL	Information Technology Development	5		1,659	2,469	U
97	0605015BL	Information Technology Development-Standard Procurement System (SPS)	5		15,624	9,747	U
		Engineering and Manufacturing Development		-----	-----	-----	
					17,283	12,216	
		Total Defense Contract Management Agency		-----	-----	-----	
					17,283	12,216	

Chemical and Biological Defense Program
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
8	0601384BP	Chemical and Biological Defense Program	1	42,827	39,532	39,066	U
		Basic Research		42,827	39,532	39,066	
17	0602384BP	Chemical and Biological Defense Program	2	90,557	81,061	125,481	U
		Applied Research		90,557	81,061	125,481	
36	0603384BP	Chemical and Biological Defense Program - Advanced Development	3	44,705	59,905	69,249	U
		Advanced Technology Development		44,705	59,905	69,249	
78	0603884BP	Chemical and Biological Defense Program - Dem/Val	4	67,456	84,992	82,636	U
		Demonstration and Validation		67,456	84,992	82,636	
85	0604384BP	Chemical and Biological Defense Program - EMD	5	112,908	102,707	159,943	U
		Engineering and Manufacturing Development		112,908	102,707	159,943	
116	0605384BP	Chemical and Biological Defense Program	6	31,725	23,686	31,276	U
		RDT&E Management Support		31,725	23,686	31,276	
		Total Chemical and Biological Defense Program		390,178	391,883	507,651	

National Imagery And Mapping Agency
 FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
148	0304345BQ	National Imagery and Mapping Program	7				
149	0305102BQ	Defense Imagery and Mapping Program	7	102,708	102,035	115,209	U
157	0305208BQ	Distributed Common Ground Systems	7	-----	-----	-----	
		Operational Systems Development		-----	-----	-----	
		Total National Imagery And Mapping Agency		-----	-----	-----	

Defense Threat Reduction Agency
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
21	0602715BR	Nuclear Sustainment & Counterproliferation Technologies	2	268,502	214,865	295,132	U
		Applied Research		268,502	214,865	295,132	
29	0603160BR	Counterproliferation Advanced Development Technologies	3	79,862	76,624	89,772	U
38	0603711BR	Arms Control Technology	3	73,908	67,380	52,474	U
		Advanced Technology Development		153,770	144,004	142,246	
106	0605110BR	Critical Technology Support	6	2,499	3,901	3,313	U
115	0605160BR	Counterproliferation Support	6	5,258			U
		RDT&E Management Support		7,757	3,901	3,313	
		Total Defense Threat Reduction Agency		430,029	362,770	440,691	

Ballistic Missile Defense Organization
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
10	0602173C	Support Technologies - Applied Research	2	89,290	55,731		U
		Applied Research		89,290	55,731		
30	0603173C	Support Technologies - Advanced Technology Development	3	212,281	130,837		U
31	0603174C	Space Based Lasers (SBL)	3		73,712		U
32	0603175C	Ballistic Missile Defense Technology	3			132,890	U
		Advanced Technology Development		212,281	204,549	132,890	
64	0603861C	Theater High-Altitude Area Defense System - TMD - Dem/Val	4	508,191			U
65	0603868C	Navy Theater Wide Missile Defense System	4	370,686	456,372		U
66	0603869C	Meads Concepts - Dem/Val	4	49,476	52,643		U
67	0603870C	Boost Phase Intercept Theater Missile Defense Acquisition - Dem/Val	4	4,682			U
68	0603871C	National Missile Defense - Dem/Val	4	949,922	1,853,527		U
69	0603872C	Joint Theater Missile Defense - Dem/Val	4	198,567			U
70	0603873C	Family-of Systems Engineering and Integration (FoS E&I)	4	145,499	225,944		U
71	0603874C	BMD Technical Operations	4	216,910	308,415		U
72	0603875C	International Cooperative Programs	4	83,984	129,699		U
73	0603876C	Threat and Countermeasures	4	21,575	22,414		U
74	0603880C	Ballistic Missile Defense System Segment	4			779,584	U
75	0603881C	Ballistic Missile Defense Terminal Defense Segment	4			968,180	U

Ballistic Missile Defense Organization
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
76	0603882C	Ballistic Missile Defense Midcourse Defense Segment	4			3,940,534	U
77	0603883C	Ballistic Missile Defense Boost Defense Segment	4			685,363	U
79	0603884C	Ballistic Missile Defense Sensors	4			495,600	U
		Demonstration and Validation		2,549,492	3,049,014	6,869,261	
84	0901585C	Pentagon Reservation	4		4,729		U
		Demonstration and Validation			4,729		
90	0604861C	Theater High-Altitude Area Defense System - TMD - EMD	5	81,614	540,998		U
91	0604865C	Patriot PAC-3 Theater Missile Defense Acquisition - EMD	5	220,674	79,851		U
92	0604867C	Navy Area Theater Missile Defense - EMD	5	303,479	269,552		U
		Engineering and Manufacturing Development		605,767	890,401		
127	0901585C	Pentagon Reservation	6			6,571	U
128	0901598C	Management Headquarters-BMDO	6			27,758	U
		RDT&E Management Support				34,329	
		Total Ballistic Missile Defense Organization		3,456,830	4,204,424	7,036,480	

Office Of Secretary Of Defense
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
1	0601101D8Z	In-House Laboratory Independent Research	1	2,019	1,989	2,097	U
3	0601103D8Z	University Research Initiatives	1	223,366	292,286	240,374	U
4	0601105D8Z	Force Health Protection	1	24,645	29,366	26,952	U
5	0601108D8Z	High Energy Laser Research Initiatives	1			11,877	U
6	0601111D8Z	Government/Industry Cosponsorship of University Research	1	6,142	6,654	3,421	U
7	0601114D8Z	Defense Experimental Program to Stimulate Competitive Resear	1		21,797	9,901	U
Basic Research				256,172	352,092	294,622	
11	0602227D8Z	Medical Free Electron Laser	2	11,556	19,845	14,660	U
12	0602228D8Z	Historically Black Colleges and Universities (HBCU) Science	2	15,743	22,031	14,484	U
13	0602234D8Z	Lincoln Laboratory Research Program	2	17,081	19,917	21,969	U
22	0602787D8Z	Medical Technology	2	8,829	8,600	8,971	U
23	0602890D8Z	High Energy Laser Research	2		29,767	36,005	U
Applied Research				53,209	100,160	96,089	
25	0603002D8Z	Medical Advanced Technology	3	1,986	2,025	2,086	U
26	0603104D8Z	Explosives Demilitarization Technology	3	24,017	29,886	8,815	U
27	0603121D8Z	SO/LIC Advanced Development	3		8,543	8,799	U
28	0603122D8Z	Combating Terrorism Technology Support	3	55,324	48,852	42,243	U
33	0603225D8Z	Joint DoD-DoE Munitions Technology Development	3	14,237	16,516	19,178	U
34	0603232D8Z	Automatic Target Recognition	3	3,588	7,465	7,716	U

Office Of Secretary Of Defense
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
37	0603704D8Z	Special Technical Support	3	15,670	29,304	11,019	U
40	0603716D8Z	Strategic Environmental Research Program	3	56,945	59,007	69,376	U
41	0603727D8Z	Joint Warfighting Program	3	7,634	7,538	7,613	U
42	0603728D8Z	Agile Port Demonstration	3		7,432		U
43	0603738D8Z	Cooperative DoD/VA Medical Research	3	7,674	991		U
45	0603750D8Z	Advanced Concept Technology Demonstrations	3	104,384	118,744	148,917	U
46	0603755D8Z	High Performance Computing Modernization Program	3	162,877	171,727	188,376	U
52	0603781D8Z	Software Engineering Institute	3			21,091	U
54	0603826D8Z	Quick Reaction Projects	3			25,000	U
55	0603832D8Z	Joint Wargaming Simulation Management Office	3	75,416	62,390	45,065	U
56	0603924D8Z	High Energy Laser Advanced Technology Program	3			16,005	U
57	0605160D8Z	Counterproliferation Support	3	1,742	1,470	1,781	U
		Advanced Technology Development		531,494	571,890	623,080	
59	0603228D8Z	Physical Security Equipment	4	25,589	25,866	33,543	U
60	0603709D8Z	Joint Robotics Program	4	17,448	13,667	11,302	U
61	0603714D8Z	Advanced Sensor Applications Program	4	26,862	38,010	15,780	U
62	0603736D8Z	CALS Initiative	4	5,383	8,522	1,614	U
63	0603851D8Z	Environmental Security Technical Certification Program	4	22,806	28,987	25,314	U
80	0603892D8Z	ASAT	4	7,100			U

Office Of Secretary Of Defense
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
81	0603920D8Z	Humanitarian Demining	4	18,200	12,611	13,512	U
82	0603923D8Z	Coalition Warfare	4		5,945	12,943	U
83	0604722D8Z	Joint Service Education and Training Systems Development	4	3,357	2,973		U
		Demonstration and Validation		126,745	136,581	114,008	
86	0604709D8Z	Joint Robotics Program - EMD	5	14,545	14,915	13,197	U
88	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	5	29,336	16,100	16,572	U
89	0604805D8Z	Commercial Operations and Support Savings Initiative	5	11,554			U
94	0605013D8Z	Information Technology Development	5		12,629		U
98	0605016D8Z	Financial Management Modernization Program	5			100,000	U
		Engineering and Manufacturing Development		55,435	43,644	129,769	
103	0603858D8Z	Unexploded Ordnance Detection and Clearance	6	1,188	1,194	1,165	U
104	0604943D8Z	Thermal Vicar	6		4,838	5,952	U
105	0605104D8Z	Technical Studies, Support and Analysis	6	27,902	30,315	33,805	U
108	0605116D8Z	General Support to C3I	6	5,611	58,227	21,061	U
109	0605117D8Z	Foreign Material Acquisition and Exploitation	6	63,751	71,632	31,951	U
110	0605123D8Z	Interagency Export License Automation	6	1,500	5,945	10,559	U
111	0605124D8Z	Defense Travel System	6		9,038	29,955	U
113	0605128D8Z	Classified Program USD(P)	6	11,185	8,842		U
114	0605130D8Z	Foreign Comparative Testing	6		31,405	30,907	U
117	0605502D8Z	Small Business Innovative Research	6	25,516			U

Office Of Secretary Of Defense
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
119	0605710D8Z	Classified Programs - C3I	6	574	636	56,653	U
120	0605790D8Z	Small Business Innovation Research/Challenge Administration	6	1,662	1,713	2,068	U
125	0605804D8Z	Development Test and Evaluation	6		43,510	46,382	U
		RDT&E Management Support		138,889	267,295	270,458	
129	0604805D8Z	Commercial Operations and Support Savings Initiative	7		9,541	10,805	U
		Operational Systems Development			9,541	10,805	
151	0305146D8Z	Defense Joint Counterintelligence Program (JMIP)	7			5,977	U
152	0305190D8Z	C3I Intelligence Programs	7	15,380	24,938	10,552	U
153	0305191D8Z	Technology Development	7			40,000	U
		Operational Systems Development		15,380	24,938	56,529	
		Total Office Of Secretary Of Defense		1,177,324	1,506,141	1,595,360	

Defense Adv Research Projects Agcy
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
2	0601101E	Defense Research Sciences	1	62,940	108,806	121,003	U
		Basic Research		62,940	108,806	121,003	
9	0602110E	Next Generation Internet	2	35,425	14,862		U
14	0602301E	Computing Systems and Communications Technology	2	308,129	330,722	382,294	U
15	0602302E	Embedded Software and Pervasive Computing	2	30,000	52,407	75,561	U
16	0602383E	Biological Warfare Defense	2	124,272	166,769	140,080	U
18	0602702E	Tactical Technology	2	144,194	215,896	173,885	U
19	0602708E	Integrated Command and Control Technology	2	37,218	38,406		U
20	0602712E	Materials and Electronics Technology	2	239,526	261,883	358,254	U
		Applied Research		918,764	1,080,945	1,130,074	
35	0603285E	Advanced Aerospace Systems	3	19,187	37,474	153,700	U
44	0603739E	Advanced Electronics Technologies	3	245,187	219,467	177,264	U
47	0603760E	Command, Control and Communications Systems	3	175,665	128,778	117,451	U
48	0603762E	Sensor and Guidance Technology	3	176,843	139,858	203,095	U
49	0603763E	Marine Technology	3	21,845	27,937	41,497	U
50	0603764E	Land Warfare Technology	3	94,578	129,025	153,067	U
51	0603765E	Classified DARPA Programs	3	55,206	100,457	142,395	U
		Advanced Technology Development		788,511	782,996	988,469	
107	0605114E	BLACK LIGHT	6	4,961	4,954	5,000	U
118	0605502E	Small Business Innovative Research	6	42,831			U

Defense Adv Research Projects Agcy
 FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
126	0605898E	Management Headquarters (Research and Development)DARPA	6	32,163	32,379	36,937	U
		RDT&E Management Support		79,955	37,333	41,937	
		Total Defense Adv Research Projects Agcy		1,850,170	2,010,080	2,281,483	

National Security Agency
 FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
58	0303132G	Global Grid Communications	3	-----	-----	-----	
		Advanced Technology Development					
134	0301011G	Cryptologic Activities	7				
142	0303140G	Information Systems Security Program	7	244,109	307,722	414,844	U
154	0305202G	Dragon U-2 (JMIP)	7	4,620	4,338	4,019	U
155	0305206G	Airborne Reconnaissance Systems	7	21,716	13,391	16,515	U
156	0305207G	Manned Reconnaissance Systems	7	9,830	4,501	4,556	U
158	0305208G	Distributed Common Ground Systems	7				
161	0305885G	Tactical Cryptologic Activities	7	108,255	94,794	105,455	U
162	0305889G	Counterdrug Intelligence Support	7	8,343	-----	-----	U
		Operational Systems Development					
		Total National Security Agency		-----	-----	-----	

Joint Chiefs of Staff
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
112	0605126J	Joint Theater Air and Missile Defense Organization	6	18,379	21,006	26,865	U
		RDT&E Management Support		18,379	21,006	26,865	
132	0208052J	Joint Analytical Model Improvement Program	7	1,008	11,834	12,163	U
		Operational Systems Development		1,008	11,834	12,163	
143	0303149J	C4I for the Warrior	7	2,971	7,368	9,622	U
		Operational Systems Development		2,971	7,368	9,622	
164	0902298J	Management Headquarters (OJCS)	7	12,282	10,490	11,312	U
165	0902740J	Joint Simulation System	7	20,421	41,708		U
		Operational Systems Development		32,703	52,198	11,312	
		Total Joint Chiefs of Staff		55,061	92,406	59,962	

Defense Information Systems Agency
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
24	0305108K	Command and Control Research	2	1,953			U
		Applied Research		1,953			
87	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	5	13,026	12,933	14,254	U
		Engineering and Manufacturing Development		13,026	12,933	14,254	
99	0303129K	Defense Message System	5		10,778	11,423	U
100	0303140K	Information Systems Security Program	5		19,780	11,767	U
101	0303141K	Global Combat Support System	5		20,834	16,483	U
102	0305840K	Electronic Commerce	5		26,703	25,519	U
		Engineering and Manufacturing Development			78,095	65,192	
122	0605801K	Defense Technical Information Services (DTIC)	6	45,495	44,187	44,228	U
		RDT&E Management Support		45,495	44,187	44,228	
131	0208045K	C4I Interoperability	7	25,999	35,672	41,389	U
		Operational Systems Development		25,999	35,672	41,389	
137	0302016K	National Military Command System-Wide Support	7	497	610	1,014	U
138	0302019K	Defense Info Infrastructure Engineering and Integration	7	4,621	6,773	6,544	U
139	0303126K	Long Haul Communications (DCS)	7	1,205	1,346	10,744	U
140	0303127K	Support of the National Communications System	7	3,373	4,235	4,968	U
141	0303131K	Minimum Essential Emergency Communications Network (MEECN)	7	4,660	7,223	6,988	U
144	0303149K	C4I for the Warrior	7	250	401		U
145	0303153K	Joint Spectrum Center	7	8,357	8,198	8,849	U

Defense Information Systems Agency
 FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
146	0303610K	Teleport Program	7		4,500	14,371	U
		Operational Systems Development		22,963	33,286	53,478	
		Total Defense Information Systems Agency		109,436	204,173	218,541	

Defense Intelligence Agency
 FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
135	0301301L	General Defense Intelligence Program	7				
136	0301398L	Management Headquarters GDIP, DIA	7				
159	0305208L	Distributed Common Ground Systems	7	987	987	1,006	U
160	0305884L	Intelligence Planning and Review Activities	7				
		Operational Systems Development		-----	-----	-----	
		Total Defense Intelligence Agency		-----	-----	-----	

Defense Contract Audit Agency
 FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
133	0300205R	Information Technology Systems	7	-----	-----	550	U
		Operational Systems Development		-----	-----	550	
		Total Defense Contract Audit Agency		-----	-----	550	

Defense Logistics Agency
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
39	0603712S	Generic Logistics R&D Technology Demonstrations	3	22,671	47,740	30,373	U
53	0603805S	Dual Use Application Programs	3	7,714			U
		Advanced Technology Development		30,385	47,740	30,373	
95	0605014S	Information Technology Development (DHRA)	5	47,499			U
		Engineering and Manufacturing Development		47,499			
121	0605798S	Defense Technology Analysis	6	9,773	7,975	5,109	U
123	0605803S	R&D in Support of DoD Enlistment, Testing and Evaluation	6	8,084			U
		RDT&E Management Support		17,857	7,975	5,109	
163	0708011S	Industrial Preparedness	7	13,472	9,006	17,544	U
		Operational Systems Development		13,472	9,006	17,544	
		Total Defense Logistics Agency		109,213	64,721	53,026	

DoD Human Resources Activity
FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
96	0605014SE	Information Technology Development	5	-----	26,550	-----	U
		Engineering and Manufacturing Development			26,550		
124	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	6	-----	8,696	8,834	U
		RDT&E Management Support			8,696	8,834	
		Total DoD Human Resources Activity			35,246	8,834	

Defense Security Cooperation Agency
 FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
130	0605127T	Partnership for Peace (PfP) Information Management System	7		1,914	1,922	U
		Operational Systems Development		-----	-----	-----	
					1,914	1,922	
		Total Defense Security Cooperation Agency		-----	-----	-----	
					1,914	1,922	

Defense Security Service
 FY 2002 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, Defwide

Date: JUN 2001

Line No	Program Element Number	Item	Act	Thousands of Dollars			S E C
				FY 2000	FY 2001	FY 2002	
150	0305127V	Foreign Counterintelligence Activities	7	436	440	664	U
		Operational Systems Development		436	440	664	
		Total Defense Security Service		436	440	664	