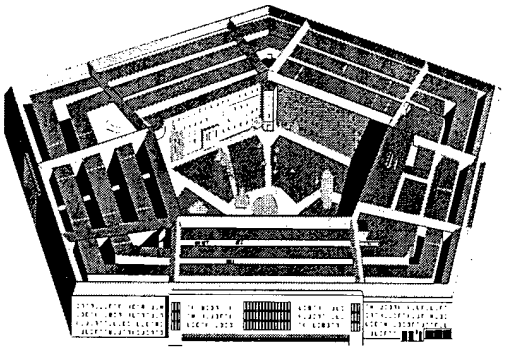
RDT&E PROGRAMS (R-1)



Fiscal Year 2001

February 2000

Office of the Under Secretary of Defense (Comptroller)

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Preface

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

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

Office of the Under Secretary of Defense (Comptroller)

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DEPARTMENT OF DEFENSE

FY 2001 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

FEB 2000

APPROPRIATION	FY 1999	FY 2000	FY 2001
Research, Development, Test & Eval, Army	5,030,770	5,225,268	5,260,346
Research, Development, Test & Eval, Navy	8,942,170	9,056,644	8,476,677
Research, Development, Test & Eval, AF	13,731,514	14,286,313	13,685,576
Research, Development, Test & Eval, Defwide	10,093,447	9,425,067	10,238,242
Developmental Test & Eval, Defense	258,606	264,582	
Operational Test & Eval, Defense	47,145	31,271	201,560
Total Research, Development, Test & Evaluation	**38,103,652**	**38,289,145**	**37,862,401**

DEPARTMENT OF DEFENSE

FY 2001 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

FEB 2000

Summary Recap of Budget Activities	FY 1999	FY 2000	FY 2001
Basic Research	1,063,591	1,160,941	1,217,417
Applied Research	3,057,227	3,410,433	3,144,237
Advanced Technology Development	3,453,286	3,825,804	3,181,578
Demonstration and Validation	7,363,543	6,524,463	6,809,729
Engineering & Manufacturing Dev	7,646,196	8,678,638	8,661,040
RDT&E Management Support	3,553,023	2,552,052	2,433,700
Operational Systems Development	11,966,786	12,136,814	12,414,700
Total Research, Development, Test & Evaluation	**38,103,652**	**38,289,145**	**37,862,401**

Summary Recap of FYDP Programs			
Strategic Forces	135,959	178,599	162,153
General Purpose Forces	2,775,553	3,205,693	2,976,904
Intelligence and Communications	8,014,575	7,781,809	8,133,902
Mobility Forces	168,637	284,330	350,587
Guard and Reserve Forces			5,917
Research and Development	26,375,171	26,194,182	25,652,633
Central Supply and Maintenance	314,714	368,680	283,830
Administration and Associated Activities	90,589	34,500	48,616
Support of Other Nations	13,859	3,660	7,043
Special Operations Forces	214,595	237,692	240,816
Total Research, Development, Test & Evaluation	**38,103,652**	**38,289,145**	**37,862,401**

DEPARTMENT OF THE ARMY

FY 2001 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

FEB 2000

Summary Recap of Budget Activities	FY 1999	FY 2000	FY 2001
Basic Research	176,737	204,407	200,988
Applied Research	612,641	790,919	602,489
Advanced Technology Development	633,601	684,393	490,905
Demonstration and Validation	488,701	475,627	661,451
Engineering & Manufacturing Dev	1,247,140	1,503,189	1,770,357
RDT&E Management Support	1,262,886	739,294	696,943
Operational Systems Development	609,064	827,439	837,213
Total Research, Development, Test & Eval, Army	**5,030,770**	**5,225,268**	**5,260,346**

Summary Recap of FYDP Programs			
Strategic Forces	12,638	24,722	24,996
General Purpose Forces	358,898	492,199	509,013
Intelligence and Communications	159,129	144,395	185,775
Research and Development	4,446,265	4,464,424	4,482,656
Central Supply and Maintenance	50,532	99,528	57,906
Administration and Associated Activities	524		
Support of Other Nations	2,784		
Total Research, Development, Test & Eval, Army	**5,030,770**	**5,225,268**	**5,260,346**

DEPARTMENT OF THE ARMY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
1	0601101A	In-House Laboratory Independent Research	1	12,139	14,119	14,459	U
2	0601102A	Defense Research Sciences	1	122,255	125,918	132,164	U
3	0601104A	University and Industry Research Centers	1	42,343	64,370	54,365	U
		Basic Research		**176,737**	**204,407**	**200,988**	
4	0602104A	TRACTOR ROSE	2		6,743		U
5	0602105A	Materials Technology	2	12,867	16,266	11,557	U
6	0602120A	Sensors and Electronic Survivability	2	16,334	24,850	20,722	U
7	0602122A	TRACTOR HIP	2	11,603	9,210	7,226	U
8	0602211A	Aviation Technology	2	23,854	30,048	31,080	U
9	0602270A	EW Technology	2	15,569	17,402	17,310	U
10	0602303A	Missile Technology	2	29,234	47,939	47,183	U
11	0602307A	Advanced Weapons Technology	2			993	U
12	0602308A	Modeling and Simulation Technology	2	20,917	29,677	30,479	U
13	0602601A	Combat Vehicle and Automotive Technology	2	38,139	54,776	63,589	U
14	0602618A	Ballistics Technology	2	26,839	42,017	49,750	U
15	0602622A	Chemical, Smoke and Equipment Defeating Technology	2	4,660	4,953	3,530	U
16	0602623A	Joint Service Small Arms Program	2	5,008	5,161	5,415	U
17	0602624A	Weapons and Munitions Technology	2	28,185	36,521	33,761	U
18	0602705A	Electronics and Electronic Devices	2	25,004	36,812	23,869	U
19	0602709A	Night Vision Technology	2	18,341	20,021	20,465	U
20	0602712A	Countermine Systems	2	10,265	14,380	12,386	U

DEPARTMENT OF THE ARMY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
21	0602716A	Human Factors Engineering Technology	2	16,204	19,681	15,786	U
22	0602720A	Environmental Quality Technology	2	62,208	78,905	13,994	U
23	0602782A	Command, Control, Communications Technology	2	21,597	19,519	23,314	U
24	0602783A	Computer and Software Technology	2	3,777	5,173	3,987	U
25	0602784A	Military Engineering Technology	2	51,203	47,639	42,344	U
26	0602785A	Manpower/Personnel/Training Technology	2	8,249	12,005	11,869	U
27	0602786A	Warfighter Technology	2	18,075	25,831	24,659	U
28	0602787A	Medical Technology	2	134,002	174,199	75,729	U
29	0602789A	ARMY Artificial Intelligence Technology	2	1,119	1,267	1,338	U
30	0602805A	Dual Use Science and Technology	2	9,388	9,924	10,154	U
	Applied Research			**612,641**	**790,919**	**602,489**	
31	0603001A	Warfighter Advanced Technology	3	30,322	44,831	15,469	U
32	0603002A	Medical Advanced Technology	3	223,999	73,252	16,512	U
33	0603003A	Aviation Advanced Technology	3	43,509	33,921	28,810	U
34	0603004A	Weapons and Munitions Advanced Technology	3	24,049	58,042	29,738	U
35	0603005A	Combat Vehicle and Automotive Advanced Technology	3	58,706	130,525	148,114	U
36	0603006A	Command, Control, Communications Advanced Technology	3	22,892	27,612	21,505	U
37	0603007A	Manpower, Personnel and Training Advanced Technology	3	2,869	4,981	3,072	U
38	0603009A	TRACTOR HIKE	3	10,391	12,469	12,217	U
39	0603013A	TRACTOR DIRT	3	40			U

DEPARTMENT OF THE ARMY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
40	0603017A	TRACTOR RED	3	4,420	4,549	984	U
41	0603020A	TRACTOR ROSE	3	2,427	11,070	10,892	U
42	0603105A	Military HIV Research	3	5,497	5,931	5,889	U
43	0603122A	TRACTOR HIP	3		2,414	980	U
44	0603238A	Global Surveillance/Air Defense/ Precision Strike Technology Demonstration	3	10,236	24,435	21,307	U
45	0603270A	EW Technology	3	10,911	16,060	15,359	U
46	0603280A	Joint Tactical Radio System	3	9,405			U
47	0603313A	Missile and Rocket Advanced Technology	3	59,366	51,188	25,107	U
48	0603322A	TRACTOR CAGE	3	4,175	2,648	3,083	U
49	0603606A	Landmine Warfare and Barrier Advanced Technology	3	22,651	47,117	20,894	U
50	0603607A	Joint Service Small Arms Program	3	12,532	8,760	4,469	U
51	0603654A	Line-Of-Sight Technology Demonstration	3	15,126	37,845	50,727	U
52	0603710A	Night Vision Advanced Technology	3	25,402	42,262	33,341	U
53	0603728A	Environmental Quality Technology Development	3		1,327	1,616	U
54	0603734A	Military Engineering Advanced Technology	3	16,270	15,762	5,207	U
55	0603772A	Advanced Tactical Computer Science and Sensor Technology	3	18,406	27,392	15,613	U
		Advanced Technology Development		**633,601**	**684,393**	**490,905**	
56	0603308A	Army Missile Defense Systems Integration (Dem/Val)	4	37,929	61,528	12,573	U
57	0603619A	Landmine Warfare and Barrier - Adv Dev	4	7,802	10,934	22,803	U

DEPARTMENT OF THE ARMY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
58	0603639A	Tank and Medium Caliber Ammunition	4	37,302	56,286	30,139	U
59	0603653A	Advanced Tank Armament System (ATAS)	4	8,464	1,922	118,139	U
60	0603713A	Army Data Distribution System	4	16,084	10	17	U
61	0603747A	Soldier Support and Survivability	4	7,594	12,719	13,574	U
62	0603774A	Night Vision Systems Advanced Development	4	2,240	3,164	10,968	U
63	0603779A	Envronmental Quality Technology Dem/Val	4			4,897	U
64	0603790A	NATO Research and Development	4	3,843	1,858	1,920	U
65	0603801A	Aviation - Adv Dev	4	10,996	8,655	5,848	U
66	0603802A	Weapons and Munitions - Adv Dev	4		4,681	28,679	U
67	0603804A	Logistics and Engineer Equipment - Adv Dev	4	21,337	8,428	6,317	U
68	0603805A	Combat Service Support Control System Evaluation and Analysis	4	14,312	11,017	13,753	U
69	0603807A	Medical Systems - Adv Dev	4	11,205	16,566	15,259	U
70	0603851A	TRACTOR CAGE (Dem/Val)	4	915	1,079	979	U
71	0603854A	Artillery Systems - Dem/Val	4	300,429	266,158	355,309	U
72	0603856A	SCAMP Block II Dem/Val	4	7,449	10,622	20,277	U
73	0603889A	Counterdrug RDT&E Projects	4	800			U
		Demonstration and Validation		**488,701**	**475,627**	**661,451**	
74	0604201A	Aircraft Avionics	5	15,027	6,324	42,280	U
75	0604220A	Armed, Deployable OH-58D	5			532	U
76	0604223A	Comanche	5	352,217	463,124	614,041	U
77	0604270A	EW Development	5	77,557	80,019	61,056	U

DEPARTMENT OF THE ARMY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
78	0604280A	Joint Tactical Radio	5		36,520	62,218	U
79	0604321A	All Source Analysis System	5	35,246	53,248	44,084	U
80	0604328A	TRACTOR CAGE	5	1,834	2,826	2,916	U
81	0604329A	Modernized Hellfire	5			4,969	U
82	0604601A	Infantry Support Weapons	5			2	U
83	0604604A	Medium Tactical Vehicles	5		1,958	1,959	U
84	0604609A	Smoke, Obscurant and Target Defeating Sys-Eng Dev	5	659	913	3,461	U
85	0604611A	JAVELIN	5	3,996	489	490	U
86	0604619A	Landmine Warfare	5	23,825	13,218	15,902	U
87	0604622A	Family of Heavy Tactical Vehicles	5	7,992	1,373		U
88	0604633A	Air Traffic Control	5	1,550	4,911	2,026	U
89	0604641A	Tactical Unmanned Ground Vehicle (TUGV)	5	2,528	4,905		U
90	0604642A	Light Tactical Wheeled Vehicles	5		7,441	9,893	U
91	0604645A	Armored Systems Modernization (ASM)-Eng. Dev.	5	4,259	2,877	2,200	U
92	0604649A	Engineer Mobility Equipment Development	5	69,044	57,880		U
93	0604710A	Night Vision Systems - Eng Dev	5	19,490	38,266	32,574	U
94	0604713A	Combat Feeding, Clothing, and Equipment	5	62,500	60,600	86,321	U
95	0604715A	Non-System Training Devices - Eng Dev	5	67,515	72,529	73,295	U
96	0604716A	Terrain Information - Eng Dev	5	6,320	5,308	6,082	U
97	0604726A	Integrated Meteorological Support System	5	1,901	2,301	1,771	U

DEPARTMENT OF THE ARMY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
98	0604739A	Integrated Broadcast Service	5	4,192	4,519	6,060	U
99	0604741A	Air Defense Command, Control and Intelligence - Eng Dev	5	13,033	7,943	16,462	U
100	0604746A	Automatic Test Equipment Development	5	9,423	16,063	12,956	U
101	0604760A	Distributive Interactive Simulations (DIS) - Engineering Development	5	2,634	7,605	20,689	U
102	0604766A	Tactical Exploitation of National Capabilities - EMD (TIARA)	5	42,025	71,879	57,419	U
103	0604768A	Brilliant Anti-Armor Submunition (BAT)	5	131,940	142,753	96,102	U
104	0604770A	Joint Surveillance/Target Attack Radar System	5	5,316	25,676	17,898	U
105	0604778A	Positioning Systems Development (SPACE)	5	365	439	2,420	U
106	0604780A	Combined Arms Tactical Trainer (CATT) Core	5	21,644	19,775	18,498	U
107	0604801A	Aviation - Eng Dev	5	11,056	13,439	7,104	U
108	0604802A	Weapons and Munitions - Eng Dev	5	39,650	68,464	22,505	U
109	0604804A	Logistics and Engineer Equipment - Eng Dev	5	26,620	22,844	20,457	U
110	0604805A	Command, Control, Communications Systems - Eng Dev	5	19,618	23,836	49,316	U
111	0604807A	Medical Materiel/Medical Biological Defense Equipment - Eng Dev	5	5,160	9,636	6,318	U
112	0604808A	Landmine Warfare/Barrier - Eng Dev	5	37,467	29,893	69,584	U
113	0604814A	Sense and Destroy Armament Missile - Eng Dev	5	30,305	24,128	52,848	U
114	0604817A	Combat Identification	5	15,520	8,566	5,362	U

DEPARTMENT OF THE ARMY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
115	0604818A	Army Tactical Command & Control Hardware & Software	5	33,993	38,970	33,420	U
116	0604819A	LOSAT	5			26,800	U
117	0604820A	Radar Development	5	6,708	5,089	8,429	U
118	0604823A	Firefinder	5	19,601	39,860	37,363	U
119	0604824A	DUAP Commercial Operations and Support Savings	5	16,351			U
120	0604854A	Artillery Systems - EMD	5	1,059	4,782	20,105	U
121	0605013A	Information Technology Development	5			94,170	U
		Engineering and Manufacturing Development		**1,247,140**	**1,503,189**	**1,770,357**	
122	0604256A	Threat Simulator Development	6	12,354	19,683	13,901	U
123	0604258A	Target Systems Development	6	12,379	13,298	13,346	U
124	0604759A	Major T&E Investment	6	35,551	39,095	44,019	U
125	0605103A	Rand Arroyo Center	6	16,812	17,523	19,872	U
126	0605301A	Army Kwajalein Atoll	6	127,470	139,322	153,326	U
127	0605326A	Concepts Experimentation Program	6	16,954	20,785	15,410	U
128	0605502A	Small Business Innovative Research	6	112,204			U
129	0605601A	Army Test Ranges and Facilities	6	120,024	146,485	119,657	U
130	0605602A	Army Technical Test Instrumentation and Targets	6	41,726	31,439	33,156	U
131	0605604A	Survivability/Lethality Analysis	6	33,341	34,892	27,248	U
132	0605605A	DOD High Energy Laser Test Facility	6	23,131	30,803	14,521	U
133	0605606A	Aircraft Certification	6	2,878	3,010	3,200	U
134	0605702A	Meteorological Support to RDT&E Activities	6	6,539	6,823	6,927	U

DEPARTMENT OF THE ARMY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
135	0605706A	Materiel Systems Analysis	6	9,557	8,783	8,737	U
136	0605709A	Exploitation of Foreign Items	6	3,882	4,112	3,582	U
137	0605712A	Support of Operational Testing	6	64,312	68,659	71,079	U
138	0605716A	Army Evaluation Center	6	26,248	24,163	26,337	U
139	0605801A	Programwide Activities	6	67,210	64,014	73,811	U
140	0605803A	Technical Information Activities	6	19,252	15,859	26,749	U
141	0605805A	Munitions Standardization, Effectiveness and Safety	6	10,616	18,800	11,276	U
142	0605853A	Environmental Conservation	6	3,117			U
143	0605854A	Pollution Prevention	6	9,427			U
144	0605856A	Environmental Compliance	6	51,522	4,000		U
145	0605857A	Army Acquisition Pollution Prevention Program	6			5,418	U
146	0605876A	Minor Construction (RPM) - RDT&E	6	4,049			U
147	0605878A	Maintenance and Repair (RPM) - RDT&E	6	90,568			U
148	0605879A	Real Property Services (RPS) - RDT&E	6	85,645			U
149	0605896A	Base Operations - RDT&E	6	233,611			U
150	0605898A	Management Headquarters (Research and Development)	6	21,983	27,746	5,371	U
151	0909999A	Financing for Cancelled Account Adjustments	6	524			U
		RDT&E Management Support		**1,262,886**	**739,294**	**696,943**	
152	0603778A	MLRS Product Improvement Program	7	25,083	66,595	59,523	U
153	0102419A	Aerostat Joint Project Office	7	12,638	24,722	24,996	U

DEPARTMENT OF THE ARMY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
154	0203610A	Domestic Preparedness Against Weapons of Mass Destruction	7	15,000	6,000		U
155	0203726A	Adv Field Artillery Tactical Data System	7	34,569	40,860	36,816	U
156	0203735A	Combat Vehicle Improvement Programs	7	89,010	83,271	99,423	U
157	0203740A	Maneuver Control System	7	28,720	45,776	48,910	U
158	0203744A	Aircraft Modifications/Product Improvement Programs	7	23,577	80,786	95,829	U
159	0203752A	Aircraft Engine Component Improvement Program	7	6,543	3,859	2,929	U
160	0203758A	Digitization	7	40,056	29,941	29,671	U
161	0203759A	Force XXI Battle Command, Brigade and Below (FBCB2)	7	56,328	65,176	63,601	U
162	0203761A	Force Twenty-One (XXI), Warfighting Rapid Acquisition Program	7		36,621	6,021	U
163	0203801A	Missile/Air Defense Product Improvement Program	7	14,452	32,211	12,365	U
164	0203802A	Other Missile Product Improvement Programs	7	1,201	17,687	64,418	U
165	0203808A	TRACTOR CARD	7	3,780	3,869	3,837	U
166	0208010A	Joint Tactical Communications Program (TRI-TAC)	7	34,086	18,293	38,926	U
167	0208053A	Joint Tactical Ground System	7	11,576	27,849	6,267	U
168	0301359A	Special Army Program	7	9,479	18,796	5,215	U
169	0303028A	Security and Intelligence Activities	7	899	6,866		U
170	0303140A	Information Systems Security Program	7	14,650	15,247	8,140	U

DEPARTMENT OF THE ARMY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
171	0303141A	Global Combat Support System	7			71,955	U
172	0303142A	SATCOM Ground Environment (SPACE)	7	50,648	35,958	43,229	U
173	0303150A	WWMCCS/Global Command and Control System	7	17,455	11,542	14,234	U
174	0305114A	Traffic Control, Approach and Landing System	7			783	U
175	0305204A	Tactical Unmanned Aerial Vehicles	7	50,189	43,087	29,427	U
176	0305206A	Airborne Reconnaissance Systems	7	7,224	4,895	4,898	U
177	0305208A	Distributed Common Ground Systems	7	8,585	8,004	7,894	U
178	0708045A	End Item Industrial Preparedness Activities	7	50,532	99,528	57,906	U
179	1001018A	NATO Joint STARS	7	2,784			U
		Operational Systems Development		**609,064**	**827,439**	**837,213**	
		Total Research, Development, Test & Eval, Army		**5,030,770**	**5,225,268**	**5,260,346**	

DEPARTMENT OF THE NAVY

FY 2001 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

FEB 2000

Summary Recap of Budget Activities	FY 1999	FY 2000	FY 2001
Basic Research	354,075	374,301	397,482
Applied Research	550,669	622,394	527,109
Advanced Technology Development	569,965	753,631	538,512
Demonstration and Validation	2,424,303	2,366,852	2,229,666
Engineering & Manufacturing Dev	2,153,619	2,301,795	2,152,405
RDT&E Management Support	732,597	641,017	631,515
Operational Systems Development	2,156,942	1,996,654	1,999,988
Total Research, Development, Test & Eval, Navy	**8,942,170**	**9,056,644**	**8,476,677**

Summary Recap of FYDP Programs			
Strategic Forces	89,175	95,809	74,739
General Purpose Forces	939,429	993,518	785,756
Intelligence and Communications	692,079	774,923	791,355
Guard and Reserve Forces			5,917
Research and Development	7,073,371	7,059,990	6,715,752
Central Supply and Maintenance	137,623	132,404	103,158
Administration and Associated Activities	10,493		
Total Research, Development, Test & Eval, Navy	**8,942,170**	**9,056,644**	**8,476,677**

DEPARTMENT OF THE NAVY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
1	0601152N	In-House Laboratory Independent Research	1	14,596	15,544	16,343	U
2	0601153N	Defense Research Sciences	1	339,479	358,757	381,139	U
	Basic Research			**354,075**	**374,301**	**397,482**	
3	0602111N	Air and Surface Launched Weapons Technology	2	37,630	51,331	37,966	U
4	0602121N	Ship, Submarine & Logistics Technology	2	52,934	61,445	44,563	U
5	0602122N	Aircraft Technology	2	30,251	20,545	21,057	U
6	0602131M	Marine Corps Landing Force Technology	2	12,690	17,437	9,793	U
7	0602228N	Historically Black Colleges and Universities (HBCU)	2	6,024			U
8	0602232N	Communications, Command and Control, Intelligence, Surveil.	2	71,147	91,166	79,905	U
9	0602233N	Human Systems Technology	2	33,816	30,417	30,939	U
10	0602234N	Materials, Electronics and Computer Technology	2	74,368	93,233	68,076	U
11	0602270N	Electronic Warfare Technology	2	22,403	37,459	26,043	U
12	0602314N	Undersea Warfare Surveillance Technology	2	46,151	51,123	52,488	U
13	0602315N	Mine Countermeasures, Mining and Special Warfare	2	48,091	44,773	50,864	U
14	0602435N	Oceanographic and Atmospheric Technology	2	69,420	72,681	60,320	U
15	0602633N	Undersea Warfare Weaponry Technology	2	37,203	40,839	35,028	U
16	0602805N	Dual Use Science and Technology Program	2	8,541	9,945	10,067	U
	Applied Research			**550,669**	**622,394**	**527,109**	

DEPARTMENT OF THE NAVY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
17	0603217N	Air Systems and Weapons Advanced Technology	3	49,234	48,775	39,667	U
18	0603238N	Precision Strike and Air Defense Technology	3	68,179	85,086	68,555	U
19	0603270N	Advanced Electronic Warfare Technology	3	20,818	18,879	17,583	U
20	0603508N	Surface Ship & Submarine HM&E Advanced Technology	3	53,245	76,096	37,432	U
21	0603640M	Marine Corps Advanced Technology Demonstration (ATD)	3	56,304	68,565	54,749	U
22	0603706N	Medical Development	3	59,551	71,072	10,110	U
23	0603707N	Manpower, Personnel and Training Adv Tech Dev	3	29,300	45,479	26,988	U
24	0603712N	Environmental Quality and Logistics Advanced Technology	3	22,104	27,657	24,002	U
25	0603727N	Navy Technical Information Presentation System	3		43,498	49,506	U
26	0603747N	Undersea Warfare Advanced Technology	3	53,162	59,625	58,296	U
27	0603782N	Mine and Expeditionary Warfare Advanced Technology	3	42,530	57,393	45,618	U
28	0603792N	Advanced Technology Transition	3	72,321	109,926	76,333	U
29	0603794N	C3 Advanced Technology	3	43,217	41,580	29,673	U
		Advanced Technology Development		**569,965**	**753,631**	**538,512**	
30	0603207N	Air/Ocean Tactical Applications	4	26,702	29,942	30,337	U
31	0603216N	Aviation Survivability	4	10,585	14,201	7,536	U
32	0603254N	ASW Systems Development	4	25,030	20,333	19,680	U
33	0603261N	Tactical Airborne Reconnaissance	4	1,444	1,964	1,956	U
34	0603382N	Advanced Combat Systems Technology	4	6,438	6,790	6,943	U

DEPARTMENT OF THE NAVY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
35	0603502N	Surface and Shallow Water Mine Countermeasures	4	76,630	109,765	97,929	U
36	0603504N	Advanced Submarine Combat Systems Development	4	4,507			U
37	0603506N	Surface Ship Torpedo Defense	4	4,840	4,614		U
38	0603512N	Carrier Systems Development	4	105,787	141,957	148,952	U
39	0603513N	Shipboard System Component Development	4	98,980	113,474	244,437	U
40	0603525N	PILOT FISH	4	115,863	96,052	107,598	U
41	0603526N	Advanced Software and Computing Technology	4		994		U
42	0603527N	RETRACT LARCH	4		7,791	11,895	U
43	0603536N	RETRACT JUNIPER	4	11,075	5,950		U
44	0603542N	Radiological Control	4	3,228	601	572	U
45	0603553N	Surface ASW	4	4,839	6,948	6,752	U
46	0603559N	SSGN Conversion	4			34,762	U
47	0603561N	Advanced Submarine System Development	4	116,265	124,051	113,269	U
48	0603562N	Submarine Tactical Warfare Systems	4	3,894	4,643	4,356	U
49	0603563N	Ship Concept Advanced Design	4	9,614	28,659	162	U
50	0603564N	Ship Preliminary Design & Feasibility Studies	4	6,706	11,945	46,896	U
51	0603570N	Advanced Nuclear Power Systems	4	118,909	145,400	168,483	U
52	0603573N	Advanced Surface Machinery Systems	4	29,478	26,581	5,635	U
53	0603576N	CHALK EAGLE	4	116,268	94,823	64,770	U
54	0603582N	Combat System Integration	4	38,337	78,305	32,966	U
55	0603609N	Conventional Munitions	4	37,105	39,087	28,619	U

DEPARTMENT OF THE NAVY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
56	0603611M	Marine Corps Assault Vehicles	4	100,609	114,210	137,981	U
57	0603612M	Marine Corps Mine/Countermeasures Systems - Adv Dev	4	1,595			U
58	0603635M	Marine Corps Ground Combat/Support System	4	54,971	50,375	23,216	U
59	0603654N	Joint Service Explosive Ordnance Development	4	10,383	11,107	13,131	U
60	0603658N	Cooperative Engagement	4	189,667	189,877	119,257	U
61	0603713N	Ocean Engineering Technology Development	4	14,073	16,712	15,371	U
62	0603721N	Environmental Protection	4	70,414	82,999	62,194	U
63	0603724N	Navy Energy Program	4	4,520	6,945	4,942	U
64	0603725N	Facilities Improvement	4	1,835	1,974	1,824	U
65	0603734N	CHALK CORAL	4	96,249	42,472	52,886	U
66	0603739N	Navy Logistic Productivity	4	2,905	17,902		U
67	0603746N	RETRACT MAPLE	4	113,896	121,543	125,222	U
68	0603748N	LINK PLUMERIA	4	22,024	47,988	42,372	U
69	0603751N	RETRACT ELM	4	22,791	19,427	13,541	U
70	0603755N	Ship Self Defense - Dem/Val	4	15,757	8,607	6,610	U
71	0603764N	LINK EVERGREEN	4		7,836	9,712	U
72	0603787N	Special Processes	4	81,120	68,949	62,510	U
73	0603790N	NATO Research and Development	4	9,665	5,431	8,992	U
74	0603795N	Land Attack Technology	4	83,761	116,839	143,044	U
75	0603800N	Joint Strike Fighter (JSF) - Dem/Val	4	471,362	239,907	131,566	U
76	0603851M	Nonlethal Weapons - Dem/Val	4	33,895	26,132	23,580	U

DEPARTMENT OF THE NAVY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
77	0603857N	All Service Combat Identification Evaluation Team (ASCIET)	4		12,949	13,110	U
78	0603889N	Counterdrug RDT&E Projects	4	24,802			U
79	0604327N	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	4	2,906	4,897		U
80	0604707N	Space and Electronic Warfare (SEW) Architecture/Engineering Support	4	22,579	36,904	34,100	U
		Demonstration and Validation		**2,424,303**	**2,366,852**	**2,229,666**	
81	0603208N	Training System Aircraft	5	682	310		U
82	0604212N	Other Helo Development	5	58,324	75,359	24,393	U
83	0604214N	AV-8B Aircraft - Eng Dev	5	40,079	38,387	38,061	U
84	0604215N	Standards Development	5	49,889	76,898	95,814	U
85	0604216N	Multi-Mission Helicopter Upgrade Development	5	199,687	118,046	69,946	U
86	0604217N	S-3 Weapon System Improvement	5	8,036	5,067	455	U
87	0604218N	Air/Ocean Equipment Engineering	5	5,755	6,061	6,051	U
88	0604221N	P-3 Modernization Program	5	2,763	10,950	2,906	U
89	0604231N	Tactical Command System	5	46,947	44,356	57,817	U
90	0604245N	H-1 Upgrades	5	116,762	183,266	139,680	U
91	0604261N	Acoustic Search Sensors	5	27,905	25,810	20,766	U
92	0604262N	V-22A	5	338,001	181,876	148,168	U
93	0604264N	Air Crew Systems Development	5	15,213	14,222	17,466	U
94	0604270N	EW Development	5	135,020	217,362	97,281	U
95	0604300N	SC-21 Total Ship System Engineering	5	120,724	161,118	305,274	U
96	0604307N	Surface Combatant Combat System Engineering	5	175,996	256,120	179,684	U

DEPARTMENT OF THE NAVY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
97	0604311N	LPD-17 Class Systems Integration	5	1,267	2,592	273	U
98	0604312N	Tri-Service Standoff Attack Missile	5	1,759	2,009	2,024	U
99	0604366N	Standard Missile Improvements	5	10,905	1,134	1,194	U
100	0604373N	Airborne MCM	5	31,677	52,351	47,312	U
101	0604503N	SSN-688 and Trident Modernization	5	57,738	74,245	34,801	U
102	0604504N	Air Control	5	7,141	13,621	13,538	U
103	0604507N	Enhanced Modular Signal Processor	5	1,391	965	875	U
104	0604512N	Shipboard Aviation Systems	5	8,189	9,002	9,833	U
105	0604518N	Combat Information Center Conversion	5	6,539	8,082	3,720	U
106	0604524N	Submarine Combat System	5	10,551	9,504	3,642	U
107	0604528N	SWATH (Small Waterplane Area Twin Hull) Oceanographic Ship	5		8,951		U
108	0604558N	New Design SSN	5	226,796	247,982	207,091	U
109	0604561N	SSN-21 Developments	5	24,449	31,825	6,617	U
110	0604562N	Submarine Tactical Warfare System	5	27,121	13,286	20,492	U
111	0604567N	Ship Contract Design/ Live Fire T&E	5	40,074	60,283	62,204	U
112	0604574N	Navy Tactical Computer Resources	5	27,043	57,978	3,291	U
113	0604601N	Mine Development	5	15	3,297	1,968	U
114	0604603N	Unguided Conventional Air-Launched Weapons	5	6,157	1,589	2,581	U
115	0604610N	Lightweight Torpedo Development	5	8,953	9,245	9,347	U
116	0604612M	Marine Corps Mine Countermeasures Systems - Eng Dev	5	594			U
117	0604618N	Joint Direct Attack Munition	5	11,165	11,717	26,151	U

DEPARTMENT OF THE NAVY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
118	0604654N	Joint Service Explosive Ordnance Development	5	6,971	7,094	7,102	U
119	0604703N	Personnel, Training, Simulation, and Human Factors	5	1,201	1,245	1,271	U
120	0604710N	Navy Energy Program	5	3,477	5,416	5,531	U
121	0604721N	Battle Group Passive Horizon Extension System	5	2,859	1,781	2,232	U
122	0604727N	Joint Standoff Weapon Systems	5	44,872	30,398	20,823	U
123	0604755N	Ship Self Defense - EMD	5	135,915	130,470	85,049	U
124	0604771N	Medical Development	5	5,543	15,350	5,273	U
125	0604777N	Navigation/ID System	5	39,184	16,737	18,487	U
126	0604784N	Distributed Surveillance System	5	47,082	36,707	20,710	U
127	0604800N	Joint Strike Fighter (JSF) - EMD	5			295,962	U
128	0604805N	Commercial Operations and Support Savings Initiative	5	15,208	21,731		U
129	0604910N	Smart Card Dev/Mod	5			1,240	U
130	0605013M	Information Technology Development	5			6,833	U
131	0605013N	Information Technology Development	5			15,259	U
132	0508713N	Navy Standard Integrated Personnel System (NSIPS)	5			5,917	U
		Engineering & Manufacturing Dev		**2,153,619**	**2,301,795**	**2,152,405**	
133	0604256N	Threat Simulator Development	6	23,137	29,481	24,293	U
134	0604258N	Target Systems Development	6	41,492	54,960	41,138	U
135	0604759N	Major T&E Investment	6	20,641	46,364	40,707	U
136	0605152N	Studies and Analysis Support - Navy	6	8,208	5,996	8,056	U
137	0605154N	Center for Naval Analyses	6	41,682	43,452	43,889	U

DEPARTMENT OF THE NAVY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
138	0605155N	Fleet Tactical Development	6	2,690	3,086	2,886	U
139	0605502N	Small Business Innovative Research	6	126,332			U
140	0605804N	Technical Information Services	6	9,477	6,659	949	U
141	0605853N	Management, Technical & International Support	6	20,535	17,351	17,644	U
142	0605856N	Strategic Technical Support	6	1,785	2,359	2,403	U
143	0605861N	RDT&E Science and Technology Management	6	63,769	52,751	53,380	U
144	0605862N	RDT&E Instrumentation Modernization	6	8,638	9,258	12,045	U
145	0605863N	RDT&E Ship and Aircraft Support	6	73,971	72,771	76,128	U
146	0605864N	Test and Evaluation Support	6	244,608	261,992	270,327	U
147	0605865N	Operational Test and Evaluation Capability	6	8,991	9,121	8,957	U
148	0605866N	Navy Space and Electronic Warfare (SEW) Support	6	2,273	2,422	3,262	U
149	0605867N	SEW Surveillance/Reconaissance Support	6	15,688	12,058	12,694	U
150	0605873M	Marine Corps Program Wide Support	6	8,187	10,936	8,091	U
151	0305885N	Tactical Cryptologic Activities	6			4,666	U
152	0909999N	Financing for Cancelled Account Adjustments	6	10,493			U
		RDT&E Management Support		**732,597**	**641,017**	**631,515**	
153	0603660N	Advanced Development Projects	7	231,946		207,000	U
154	0603661N	Retract Violet	7	65,701		30,161	U
155	0604227N	HARPOON Modifications	7	989			U
156	0604805N	Commercial Operations and Support Savings Initiative	7			12,485	U

DEPARTMENT OF THE NAVY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
157	0101221N	Strategic Sub & Weapons System Support	7	51,724	59,576	42,687	U
158	0101224N	SSBN Security Technology Program	7	29,579	33,055	31,173	U
159	0101226N	Submarine Acoustic Warfare Development	7	7,872	3,178	879	U
160	0204136N	F/A-18 Squadrons	7	294,797	320,884	248,093	U
161	0204152N	E-2 Squadrons	7	45,184	36,330	18,698	U
162	0204163N	Fleet Telecommunications (Tactical)	7	14,860	11,371	12,012	U
163	0204229N	Tomahawk and Tomahawk Mission Planning Center (TMPC)	7	149,804	141,417	91,436	U
164	0204311N	Integrated Surveillance System	7	18,509	17,925	16,928	U
165	0204413N	Amphibious Tactical Support Units	7	1,822		7,911	U
166	0204571N	Consolidated Training Systems Development	7	42,903	33,565	27,059	U
167	0204575N	Electronic Warfare (EW) Readiness Support	7	4,440	9,112	9,924	U
168	0205601N	HARM Improvement	7	28,415	38,427	21,355	U
169	0205604N	Tactical Data Links	7	48,935	46,410	26,245	U
170	0205620N	Surface ASW Combat System Integration	7	15,694	23,504	29,585	U
171	0205632N	MK-48 ADCAP	7	16,600	20,314	15,853	U
172	0205633N	Aviation Improvements	7	58,284	53,000	51,018	U
173	0205667N	F-14 Upgrade	7	12,251	1,383	1,228	U
174	0205675N	Operational Nuclear Power Systems	7	54,353	53,268	53,435	U
175	0206313M	Marine Corps Communications Systems	7	49,208	96,293	96,153	U

DEPARTMENT OF THE NAVY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
176	0206623M	Marine Corps Ground Combat/ Supporting Arms Systems	7	16,235	28,679	22,124	U
177	0206624M	Marine Corps Combat Services Support	7	5,536	8,337	2,854	U
178	0207161N	Tactical AIM Missiles	7	57,077	39,830	21,705	U
179	0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	4,522	13,469	12,140	U
180	0301303N	Maritime Intelligence	7				
181	0301327N	Technical Reconnaissance and Surveillance	7				
182	0303109N	Satellite Communications (SPACE)	7	17,486	40,202	37,778	U
183	0303140N	Information Systems Security Program	7	20,218	22,854	21,530	U
184	0303150N	WWMCCS/Global Command and Control System	7	422			U
185	0304111N	Special Activities	7				
186	0305160N	Navy Meteorological and Ocean Sensors-Space (METOC)	7	11,757	14,497	19,730	U
187	0305188N	Joint C4ISR Battle Center (JBC)	7	5,144	8,081	7,795	U
188	0305192N	Joint Military Intelligence Programs	7	2,224	2,053	7,000	U
189	0305204M	Tactical Unmanned Aerial Vehicles	7	5,959			U
190	0305204N	Tactical Unmanned Aerial Vehicles	7	50,843	75,325	113,052	U
191	0305206N	Airborne Reconnaissance Systems	7	16,337	18,853	4,759	U
192	0305207N	Manned Reconnaissance Systems	7	30,002	39,738	27,479	U
193	0305208N	Distributed Common Ground Systems	7	4,933	5,552	4,482	U
194	0305927N	Naval Space Surveillance	7	378	1,708	2,038	U
195	0305972N	Space Activities	7	14,480			U

DEPARTMENT OF THE NAVY
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
196	0308601N	Modeling and Simulation Support	7		12,054	9,106	U
197	0702207N	Depot Maintenance (Non-IF)	7	49,288	39,764	34,166	U
198	0708011N	Industrial Preparedness	7	69,943	71,209	59,626	U
199	0708730N	Maritime Technology (MARITECH)	7	18,392	21,431	9,366	U
		Operational Systems Development		**2,156,942**	**1,996,654**	**1,999,988**	
		Total Research, Development, Test & Eval, Navy		**8,942,170**	**9,056,644**	**8,476,677**	

DEPARTMENT OF THE AIR FORCE

FY 2001 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

FEB 2000

Summary Recap of Budget Activities	FY 1999	FY 2000	FY 2001
Basic Research	197,507	213,822	206,149
Applied Research	582,045	596,805	590,255
Advanced Technology Development	430,336	576,683	494,942
Demonstration and Validation	1,200,173	926,154	888,451
Engineering & Manufacturing Dev	3,596,203	4,072,594	3,553,609
RDT&E Management Support	793,868	584,881	590,067
Operational Systems Development	6,931,382	7,315,374	7,362,103
Total Research, Development, Test & Eval, AF	**13,731,514**	**14,286,313**	**13,685,576**

Summary Recap of FYDP Programs			
Strategic Forces	34,146	58,068	62,418
General Purpose Forces	1,447,313	1,695,339	1,633,122
Intelligence and Communications	5,175,162	5,160,682	5,204,628
Mobility Forces	168,637	284,330	350,587
Research and Development	6,753,591	6,954,067	6,304,893
Central Supply and Maintenance	100,716	123,276	115,676
Administration and Associated Activities	45,721	6,891	7,209
Support of Other Nations	6,228	3,660	7,043
Total Research, Development, Test & Eval, AF	**13,731,514**	**14,286,313**	**13,685,576**

DEPARTMENT OF THE AIR FORCE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
1	0601102F	Defense Research Sciences	1	197,507	213,822	206,149	U
	Basic Research			**197,507**	**213,822**	**206,149**	
2	0602102F	Materials	2	70,495	78,103	72,815	U
3	0602201F	Aerospace Flight Dynamics	2	60,746	45,594	48,775	U
4	0602202F	Human Effectiveness Applied Research	2	61,243	70,494	62,619	U
5	0602203F	Aerospace Propulsion	2	66,259	77,007	116,262	U
6	0602204F	Aerospace Sensors	2	61,336	63,922	65,644	U
7	0602269F	Hypersonic Technology Program	2	16,031	15,808		U
8	0602601F	Space Technology	2	122,170	146,021	57,687	U
9	0602602F	Conventional Munitions	2	39,106	37,892	45,223	U
10	0602605F	Directed Energy Technology	2			32,337	U
11	0602702F	Command Control and Communications	2	75,208	52,085	78,749	U
12	0602805F	Dual Use Science and Technology Program	2	9,451	9,879	10,144	U
	Applied Research			**582,045**	**596,805**	**590,255**	
13	0603106F	Logistics Systems Technology	3	9,478	10,651	13,895	U
14	0603112F	Advanced Materials for Weapon Systems	3	31,726	33,978	21,678	U
15	0603202F	Aerospace Propulsion Subsystems Integration	3	25,150	19,586	34,440	U
16	0603203F	Advanced Aerospace Sensors	3	26,260	37,948	28,311	U
17	0603205F	Flight Vehicle Technology	3	6,369	5,960	2,445	U
18	0603211F	Aerospace Structures	3	11,640	16,638	12,961	U
19	0603216F	Aerospace Propulsion and Power Technology	3	33,579	38,723	41,964	U

DEPARTMENT OF THE AIR FORCE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
20	0603227F	Personnel, Training and Simulation Technology	3	6,145	6,250	6,491	U
21	0603231F	Crew Systems and Personnel Protection Technology	3	28,372	30,953	12,479	U
22	0603245F	Flight Vehicle Technology Integration	3	7,150	8,289	13,184	U
23	0603253F	Advanced Sensor Integration	3	13,512	9,327	5,350	U
24	0603270F	Electronic Combat Technology	3	25,434	31,947	25,882	U
25	0603302F	Space and Missile Rocket Propulsion	3	22,283	16,526	24,283	U
26	0603311F	Ballistic Missile Technology	3	15,379	22,725		U
27	0603401F	Advanced Spacecraft Technology	3	57,655	102,277	97,327	U
28	0603410F	Space Systems Environmental Interactions Technology	3	3,263	4,027	3,412	U
29	0603444F	Maui Space Surveillance System (MSSS)	3			4,625	U
30	0603601F	Conventional Weapons Technology	3	21,878	20,753	22,731	U
31	0603605F	Advanced Weapons Technology	3	51,477	56,805	33,371	U
32	0603707F	Weather Systems Technology	3	1,419			U
33	0603723F	Environmental Engineering Technology	3	2,459	5,435		U
34	0603726F	Aerospace Info Tech Sys Integration	3	10,272	7,828	7,429	U
35	0603728F	Battlespace C2 Technology	3	7,150			U
36	0603789F	C3I Advanced Development	3	12,286	17,193	19,468	U
37	0603876F	Space-Based Laser	3		72,864	63,216	U
		Advanced Technology Development		**430,336**	**576,683**	**494,942**	
38	0603260F	Intelligence Advanced Development	4	3,819	4,498	4,401	U

DEPARTMENT OF THE AIR FORCE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
39	0603319F	Airborne Laser Program	4	252,449	304,184	148,637	U
40	0603430F	Advanced EHF MILSATCOM (SPACE)	4	54,623	95,529	246,396	U
41	0603432F	Polar MILSATCOM (SPACE)	4	36,291	39,049	26,068	U
42	0603434F	National Polar-orbiting Operational Environmental Satellite Sys (SPACE) - D	4	62,068	59,180	76,654	U
43	0603438F	Space Control Technology	4	7,212	12,621	9,728	U
44	0603441F	Space Based Infrared Architecture (SPACE) - Dem/Val	4	144,723			U
45	0603617F	Command, Control, and Communication Applications	4	8,234	7,769	7,828	U
46	0603690F	Information Operations Technology	4			991	U
47	0603742F	Combat Identification Technology	4	5,109	7,334	10,933	U
48	0603790F	NATO Research and Development(H)	4	3,956	4,222	5,509	U
49	0603800F	Joint Strike Fighter	4	453,600	249,088	129,538	U
50	0603850F	Integrated Broadcast Service (Dem/Val)	4		24,198	24,488	U
51	0603851F	Intercontinental Ballistic Missile - Dem/Val	4	27,409	47,075	39,246	U
52	0603854F	Wideband MILSATCOM (Space)	4	65,242	50,277	134,029	U
53	0603856F	Air Force/National Program Cooperation (AFNPC)	4	16,927		3,370	U
54	0603859F	Pollution Prevention (Dem/Val)	4			2,543	U
55	0603860F	Joint Precision Approach and Landing Systems - Dem/Val	4	19,602	16,290	18,092	U
56	0603876F	Space-Based Laser	4	32,610			U
57	0604237F	Variable Stability In-Flight Simulator Test Aircraft	4	3,833			U

DEPARTMENT OF THE AIR FORCE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
58	0604327F	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	4	2,466	4,840		U
		Demonstration and Validation		**1,200,173**	**926,154**	**888,451**	
59	0604012F	Joint Helmet Mounted Cueing System (JHMCS)	5		2,931	1,312	U
60	0604201F	Integrated Avionics Planning and Development	5	9,775	712	712	U
61	0604222F	Nuclear Weapons Support	5	6,915	8,397	10,133	U
62	0604226F	B-1B	5	175,686	176,218	168,122	U
63	0604227F	Distributed Mission Training (DMT)	5	2,180	3,781	3,782	U
64	0604233F	Specialized Undergraduate Pilot Training	5	56,371	40,805	23,853	U
65	0604239F	F-22 EMD	5	1,561,786	1,945,138	1,411,786	U
66	0604240F	B-2 Advanced Technology Bomber	5	108,620	297,854	48,313	U
67	0604270F	EW Development	5	89,862	87,187	58,198	U
68	0604441F	Space Based Infrared System (SBIRS) High EMD	5	508,473	420,476	569,188	U
69	0604442F	Space Based Infrared System (SBIRS) Low EMD	5	36,627	225,566	241,021	U
70	0604479F	Milstar LDR/MDR Satellite Communications (SPACE)	5	513,960	357,235	236,841	U
71	0604480F	Global Positioning System Block IIF (SPACE)	5	76,953			U
72	0604600F	Munitions Dispenser Development	5	11,334	3,850		U
73	0604602F	Armament/Ordnance Development	5	11,215	23,567	8,876	U
74	0604604F	Submunitions	5	4,477	7,698	4,775	U
75	0604617F	Agile Combat Support	5	2,332		668	U
76	0604618F	Joint Direct Attack Munition	5	11,516	6,299	1,157	U

DEPARTMENT OF THE AIR FORCE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
77	0604703F	Aeromedical/Chemical Defense Systems	5	3,338	7,027	5,929	U
78	0604706F	Life Support Systems	5	6,763	11,473	14,758	U
79	0604708F	Civil, Fire, Environmental, Shelter Engineering	5	2,599	2,682	2,746	U
80	0604727F	Joint Standoff Weapons Systems	5	17,177	10,150	1,498	U
81	0604735F	Combat Training Ranges	5	13,141	11,828	12,559	U
82	0604740F	Integrated Command &; Control Applications (IC2A)	5	2,047	6,055	214	U
83	0604750F	Intelligence Equipment	5	1,179	1,336	1,298	U
84	0604754F	Joint Tactical Information Distribution System (JTIDS)	5	20,236	8,542	8,745	U
85	0604762F	Common Low Observables Verification System (CLOVerS)	5	4,054	5,818	11,621	U
86	0604779F	Joint Interoperability of Tactical Command & Control Systems (JINTACCS)	5	5,317	5,798	5,825	U
87	0604800F	Joint Strike Fighter EMD	5			299,540	U
88	0604805F	Commercial Operations and Support Savings Initiative	5	11,617	19,904	19,851	U
89	0604851F	Intercontinental Ballistic Missile - EMD	5	70,063	38,235	18,325	U
90	0604853F	Evolved Expendable Launch Vehicle Program (SPACE) - EMD	5	241,973	317,964	332,952	U
91	0605011F	RDT&E for Aging Aircraft	5	4,640	4,856	14,204	U
92	0207249F	Precision Attack Systems	5			3,965	U
93	0305176F	Combat Survivor Evader Locator	5	3,977	13,212	10,842	U
		Engineering and Manufacturing Development		**3,596,203**	**4,072,594**	**3,553,609**	
94	0604256F	Threat Simulator Development	6	32,054	31,672	34,785	U

DEPARTMENT OF THE AIR FORCE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
95	0604258F	Target Systems Development	6	6,343		191	U
96	0604759F	Major T&E Investment	6	37,995	56,659	54,057	U
97	0605101F	RAND Project Air Force	6	23,485	19,864	24,080	U
98	0605306F	Ranch Hand II Epidemiology Study	6	4,122	4,408	4,356	U
99	0605502F	Small Business Innovation Research	6	203,468			U
100	0605712F	Initial Operational Test & Evaluation	6	29,171	26,510	28,238	U
101	0605807F	Test and Evaluation Support	6	351,170	381,476	386,205	U
102	0605808F	Development Planning	6	3,908			U
103	0605854F	Pollution Prevention	6	4,956	2,498		U
104	0605860F	Rocket Systems Launch Program (SPACE)	6	14,235	7,732	7,906	U
105	0605864F	Space Test Program (STP)	6	40,397	50,402	46,476	U
106	0909900F	Financing for Expired Account Adjustments	6	39,021			U
107	1001004F	International Activities	6	3,543	3,660	3,773	U
		RDT&E Management Support		**793,868**	**584,881**	**590,067**	
108	0101113F	B-52 Squadrons	7	6,042	39,658	50,787	U
109	0101120F	Advanced Cruise Missile	7			4,182	U
110	0101122F	Air-Launched Cruise Missile (ALCM)	7		5,281	6,457	U
111	0102325F	Joint Surveillance System	7	1,582			U
112	0102326F	Region/Sector Operation Control Center Modernization Program	7	25,587	13,129	992	U
113	0102411F	North Atlantic Defense System	7	537			U
114	0102445F	Counterdrug Aerostats	7	398			U

DEPARTMENT OF THE AIR FORCE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
115	0207027F	Air and Space Command and Control Agency (ASC2A)	7			24,769	U
116	0207131F	A-10 Squadrons	7	2,170	8,013	8,615	U
117	0207133F	F-16 Squadrons	7	120,389	114,162	124,903	U
118	0207134F	F-15E Squadrons	7	100,974	126,172	61,260	U
119	0207136F	Manned Destructive Suppression	7	1,663	3,363	14,670	U
120	0207141F	F-117A Squadrons	7	10,305	11,659	3,912	U
121	0207161F	Tactical AIM Missiles	7	49,348	40,513	21,706	U
122	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	33,466	52,146	53,707	U
123	0207247F	AF TENCAP	7	6,003	12,929	9,826	U
124	0207248F	Special Evaluation Program	7	97,142	84,162	75,443	U
125	0207253F	Compass Call	7	11,892	12,837	5,834	U
126	0207268F	Aircraft Engine Component Improvement Program	7	93,338	158,329	166,926	U
127	0207320F	Sensor Fused Weapons	7	7,782	11,645		U
128	0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	7	121,146	164,425	120,281	U
129	0207412F	Theater Air Control Systems	7	402	6,432	19,873	U
130	0207414F	Combat Intelligence System	7	13,635			U
131	0207417F	Airborne Warning and Control System (AWACS)	7	31,669	36,178	35,653	U
132	0207423F	Advanced Communications Systems	7	5,527		2,867	U
133	0207424F	Evaluation and Analysis Program	7	68,985	72,373	81,027	U
134	0207433F	Advanced Program Technology	7	79,001	66,771	90,713	U
135	0207438F	Theater Battle Management (TBM) C4I	7	48,325	46,406	41,068	U

DEPARTMENT OF THE AIR FORCE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
136	0207581F	Joint Surveillance and Target Attack Radar System (Joint STARS)	7	91,701	147,582	144,118	U
137	0207590F	Seek Eagle	7	17,680	22,851	19,472	U
138	0207591F	Advanced Program Evaluation	7	201,543	257,214	266,458	U
139	0207601F	USAF Modeling and Simulation	7	13,632	21,093	17,624	U
140	0207605F	Wargaming and Simulation Centers	7	3,822	19,087	3,874	U
141	0208006F	Mission Planning Systems	7	15,415	18,084	20,755	U
142	0208021F	Information Warfare Support	7	2,864	1,368	1	U
143	0208031F	War Reserve Materiel - Equipment/ Secondary Items	7	1,440	1,450	1,475	U
144	0208060F	Theater Missile Defenses	7	30,571	25,904	19,824	U
145	0208160F	Technical Evaluation System	7	107,266	91,712	98,263	U
146	0208161F	Special Evaluation System	7	58,217	60,479	74,240	U
147	0301310F	National Air Intelligence Center	7				
148	0301314F	COBRA BALL	7				
149	0301315F	Missile and Space Technical Collection	7				
150	0301324F	FOREST GREEN	7				
151	0301357F	NUDET Detection System	7		3,184		U
152	0301398F	Management Headquarters GDIP	7				
153	0302015F	E-4B National Airborne Operations Center (NAOC)	7	1,824	12,597	34,410	U
154	0303110F	Defense Satellite Communications System (SPACE)	7	10,405	5,015	7,328	U
155	0303112F	Air Force Communications (AIRCOM)	7			11,478	U
156	0303131F	Minimum Essential Emergency Communications Network (MEECN)	7	37,624	45,285	15,302	U

DEPARTMENT OF THE AIR FORCE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
157	0303140F	Information Systems Security Program	7	7,754	19,381	7,212	U
158	0303141F	Global Combat Support System	7	17,083	19,283	46,369	U
159	0303150F	Global Command and Control System	7	12,235	3,817	3,743	U
160	0303401F	Communications Security (COMSEC)	7			4,857	U
161	0303601F	MILSATCOM Terminals	7	6,018	6,923	17,797	U
162	0304111F	Special Activities	7				
163	0304311F	Selected Activities	7	2,975	2,985		U
164	0305099F	Global Air Traffic Management (GATM)	7	24,882	6,402	8,508	U
165	0305110F	Satellite Control Network (SPACE)	7	45,343	60,977	58,643	U
166	0305111F	Weather Service	7	9,846	18,910	19,942	U
167	0305114F	Air Traffic Control, Approach, and Landing System (ATCALS)	7	2,870	7,279	18,093	U
168	0305119F	Medium Launch Vehicles (SPACE)	7	3,497			U
169	0305128F	Security and Investigative Activities	7	1,348	1,449	467	U
170	0305137F	National Airspace System (NAS) Plan	7	1,777		200	U
171	0305138F	Inertial Upper Stage (IUS)	7	552			U
172	0305142F	Applied Technology and Integration	7				
173	0305144F	Titan Space Launch Vehicles (SPACE)	7	69,823	44,777	25,815	U
174	0305158F	Tactical Terminal	7	161		238	U
175	0305159F	Defense Reconnaissance Support Activities (SPACE)	7		36,623	45,149	U
176	0305160F	Defense Meteorological Satellite Program (SPACE)	7	19,983	21,207	25,372	U

DEPARTMENT OF THE AIR FORCE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
177	0305164F	NAVSTAR Global Positioning System (User Equipment) (SPACE)	7	36,944	49,244	66,975	U
178	0305165F	NAVSTAR Global Positioning System (Space and Control Segments)	7	24,634	107,451	250,197	U
179	0305172F	Combined Advanced Applications	7				
180	0305182F	Spacelift Range System (SPACE)	7	27,594	50,989	53,654	U
181	0305202F	Dragon U-2 (JMIP)	7			27,546	U
182	0305205F	Endurance Unmanned Aerial Vehicles	7	183,017	77,866	109,215	U
183	0305206F	Airborne Reconnaissance Systems	7	123,538	136,221	136,913	U
184	0305207F	Manned Reconnaissance Systems	7	53,479	23,798		U
185	0305208F	Distributed Common Ground Systems	7	20,602	24,205	21,330	U
186	0305906F	NCMC - TW/AA System	7	16,113	13,230	19,309	U
187	0305910F	SPACETRACK (SPACE)	7	42,410	54,010	2,553	U
188	0305911F	Defense Support Program (SPACE)	7	13,971	7,361	9,462	U
189	0305913F	NUDET Detection System (SPACE)	7	12,766	14,224	17,088	U
190	0305917F	Space Architect	7	12,896	10,882		U
191	0305953F	Evolved Expendable Launch Vehicle (EELV) (Space)	7	23			U
192	0308601F	Modeling and Simulation Support	7	1,038		1,177	U
193	0308699F	Shared Early Warning (SEW)	7		11,532	4,219	U
194	0401115F	C-130 Airlift Squadron	7		40,123	60,496	U
195	0401119F	C-5 Airlift Squadrons	7	37,348	59,122	92,530	U
196	0401130F	C-17 Aircraft	7	120,368	159,019	176,439	U
197	0401214F	Air Cargo Material Handling (463-L) (Non-IF)	7	456	493		U
198	0401218F	KC-135s	7	1,018	2,242	487	U

DEPARTMENT OF THE AIR FORCE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
199	0401219F	KC-10s	7	9,447	23,331	19,526	U
200	0404011F	Special Operations Forces	7			1,109	U
201	0702207F	Depot Maintenance (Non-IF)	7	1,438	4,744	1,515	U
202	0708011F	Industrial Preparedness	7	50,597	51,988	53,082	U
203	0708026F	Productivity, Reliability, Availability, Maintain. Prog Ofc (PRAMPO)	7	10,040	22,075	15,227	U
204	0708071F	Joint Logistics Program - Ammunition Standard System	7	14,698	11,271	11,238	U
205	0708611F	Support Systems Development	7	23,943	33,198	32,258	U
206	0708612F	Computer Resources Support Improvement Program (CRSIP)	7			2,356	U
207	0901218F	Civilian Compensation Program	7	6,700	6,891	7,209	U
208	1001018F	NATO Joint STARS	7	2,685		3,270	U
		Operational Systems Development		**6,931,382**	**7,315,374**	**7,362,103**	
		Total Research, Development, Test & Eval, AF		**13,731,514**	**14,286,313**	**13,685,576**	

DEFENSE-WIDE

FY 2001 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

FEB 2000

Summary Recap of Budget Activities	FY 1999	FY 2000	FY 2001
Basic Research	335,272	368,411	412,798
Applied Research	1,311,872	1,400,315	1,424,384
Advanced Technology Development	1,819,384	1,811,097	1,657,219
Demonstration and Validation	3,250,366	2,755,830	3,030,161
Engineering & Manufacturing Dev	649,234	801,060	1,184,669
RDT&E Management Support	457,921	291,007	313,615
Operational Systems Development	2,269,398	1,997,347	2,215,396
Total Research, Development, Test & Eval, Defwide	**10,093,447**	**9,425,067**	**10,238,242**

Summary Recap of FYDP Programs			
General Purpose Forces	29,913	24,637	49,013
Intelligence and Communications	1,988,205	1,701,809	1,952,144
Research and Development	7,796,193	7,419,848	7,947,772
Central Supply and Maintenance	25,843	13,472	7,090
Administration and Associated Activities	33,851	27,609	41,407
Support of Other Nations	4,847		
Special Operations Forces	214,595	237,692	240,816
Total Research, Development, Test & Eval, Defwide	**10,093,447**	**9,425,067**	**10,238,242**

DEFENSE-WIDE

FY 2001 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

FEB 2000

Summary Recap of Defensewide	FY 1999	FY 2000	FY 2001
Special Operations Command	214,595	237,692	244,616
Chemical and Biological Defense Program	345,297	409,864	361,913
National Imagery And Mapping Agency			
Defense Threat Reduction Agency	341,822	376,120	365,176
Ballistic Missile Defense Organization	3,909,911	3,427,740	3,943,163
Office Of Secretary Of Defense	1,087,836	1,179,627	1,191,856
Defense Adv Research Projects Agcy	1,887,973	1,876,382	1,951,305
National Security Agency			
Defense Support Project Office	44,141		
Joint Chiefs of Staff	159,475	48,967	75,262
Defense Information Systems Agency	129,783	109,436	206,057
Defense Intelligence Agency			
Defense Logistics Agency	73,263	101,746	88,236
Defense Security Cooperation Agency	9,228		1,932
Defense Security Service	417	436	444
Total Research, Development, Test & Eval, Defwide	**10,093,447**	**9,425,067**	**10,238,242**

DEFENSE-WIDE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
1	0601101D8Z	In-House Laboratory Independent Research	1	2,146	2,029	2,007	U
2	0601101E	Defense Research Sciences	1	57,369	67,608	90,415	U
3	0601103D8Z	University Research Initiatives	1	220,431	224,016	253,627	U
4	0601105D8Z	Gulf War Illness	1	22,588	24,543	16,978	U
5	0601111D8Z	Government/Industry Cosponsorship of University Research	1	4,233	6,175	6,715	U
6	0601114D8Z	Def Experimental Program to Stimulate Competitive Research	1			9,859	U
7	0601384BP	Chemical and Biological Defense Program	1	28,505	44,040	33,197	U
	Basic Research			**335,272**	**368,411**	**412,798**	
8	0602110E	Next Generation Internet	2	41,919	36,473	15,000	U
9	0602173C	Support Technologies - Applied Research	2	93,466	88,365	37,747	U
10	0602227D8Z	Medical Free Electron Laser	2	13,930	11,525	15,029	U
11	0602228D8Z	Historically Black Colleges and Universities (HBCU) Science	2		15,747	14,236	U
12	0602234D8Z	Lincoln Laboratory Research Program	2	20,219	20,189	18,602	U
13	0602301E	Computing Systems and Communications Technology	2	309,100	320,648	376,592	U
14	0602302E	Extensible Information Systems	2		30,000	69,282	U
15	0602383E	Biological Warfare Defense	2	84,009	131,705	162,064	U
16	0602384BP	Chemical and Biological Defense Program	2	62,301	97,400	73,600	U
17	0602702E	Tactical Technology	2	158,953	142,501	121,051	U
18	0602708E	Integrated Command and Control Technology	2	38,315	38,126	31,761	U

DEFENSE-WIDE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
19	0602712E	Materials and Electronics Technology	2	268,595	242,267	249,812	U
20	0602715BR	Nuclear Sustainment & Counterproliferation Technologies	2	210,003	214,541	230,928	U
21	0602787D8Z	Medical Technology	2	9,119	8,875	8,680	U
22	0305108K	Command and Control Research	2	1,943	1,953		U
	Applied Research			**1,311,872**	**1,400,315**	**1,424,384**	
23	0603002D8Z	Medical Advanced Technology	3	2,109	1,996	2,043	U
24	0603104D8Z	Explosives Demilitarization Technology	3	13,379	23,635	8,964	U
25	0603121D8Z	SO/LIC Advanced Development	3	4,505		8,622	U
26	0603122D8Z	Combating Terrorism Technology Support	3	36,349	55,449	41,307	U
27	0603160BR	Counterproliferation Advanced Development Technologies	3	51,954	80,582	77,391	U
28	0603173C	Support Technologies - Advanced Technology Development	3	273,397	212,837	93,249	U
29	0603174C	Space Based Lasers (SBL)	3			74,537	U
30	0603225D8Z	Joint DoD-DoE Munitions Technology Development	3	12,553	14,315	16,670	U
31	0603232D8Z	Automatic Target Recognition	3	6,107	7,529	7,534	U
32	0603285E	Advanced Aerospace Systems	3		17,071	26,821	U
33	0603384BP	Chemical and Biological Defense Program - Advanced Development	3	59,186	56,911	46,594	U
34	0603704D8Z	Special Technical Support	3	11,018	15,568	10,777	U
35	0603711BR	Arms Control Technology	3	57,168	73,528	52,930	U
36	0603712S	Generic Logistics R&D Technology Demonstrations	3	25,651	22,920	23,082	U

DEFENSE-WIDE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
37	0603716D8Z	Strategic Environmental Research Program	3	56,513	57,207	51,357	U
38	0603727D8Z	Joint Warfighting Program	3	34,043	7,675	7,607	U
39	0603738D8Z	Cooperative DoD/VA Medical Research	3	5,855	7,415		U
40	0603739E	Advanced Electronics Technologies	3	260,296	252,388	191,800	U
41	0603747E	Electric Vehicles	3	9,000			U
42	0603750D8Z	Advanced Concept Technology Demonstrations	3	80,281	104,976	116,425	U
43	0603755D8Z	High Performance Computing Modernization Program	3	151,613	164,262	164,027	U
44	0603760E	Command, Control and Communications Systems	3	171,370	185,926	128,863	U
45	0603761E	Communication and Simulation Technology	3	50,017			U
46	0603762E	Sensor and Guidance Technology	3	199,445	177,598	182,225	U
47	0603763E	Marine Technology	3	24,779	21,681	30,304	U
48	0603764E	Land Warfare Technology	3	85,287	96,320	134,249	U
49	0603765E	Classified DARPA Programs	3	48,797	78,973	101,387	U
50	0603805S	Dual Use Application Programs	3	5,938			U
51	0603832D8Z	Joint Wargaming Simulation Management Office	3	56,861	66,967	56,971	U
52	0605160D8Z	Counterproliferation Support	3		1,449	1,483	U
53	0303132G	Global Grid Communications	3				
54	0304211G	National Activities	3				
55	0305166G	Special Development	3				
		Advanced Technology Development		**1,819,384**	**1,811,097**	**1,657,219**	

DEFENSE-WIDE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
56	0603228D8Z	Physical Security Equipment	4	24,981	25,351	35,108	U
57	0603708D8Z	Integrated Diagnostics	4	3,020			U
58	0603709D8Z	Joint Robotics Program	4	15,646	17,516	10,294	U
59	0603714D8Z	Advanced Sensor Applications Program	4	17,731	27,115	15,534	U
60	0603736D8Z	CALS Initiative	4	6,994	5,488	1,585	U
61	0603790T	NATO Research and Development	4	5,630			U
62	0603851D8Z	Environmental Security Technical Certification Program	4	16,451	22,347	24,906	U
63	0603857J	All Service Combat Identification Evaluation Team (ASCIET)	4	12,914			U
64	0603861C	Theater High-Altitude Area Defense System - TMD - Dem/Val	4	431,948	523,525		U
65	0603868C	Navy Theater Wide Missile Defense System	4	366,325	375,764	382,671	U
66	0603869C	Meads Concepts - Dem/Val	4	11,675	48,594	63,175	U
67	0603870C	Boost Phase Intercept Theater Missile Defense Acquisition - Dem/Val	4	6,335	4,961		U
68	0603871C	National Missile Defense - Dem/Val	4	1,678,201	950,248	1,740,238	U
69	0603872C	Joint Theater Missile Defense - Dem/Val	4	204,213	196,566		U
70	0603873C	Family-of Systems Engineering and Integration (FoS E&I)	4	94,422	145,657	231,248	U
71	0603874C	BMD Technical Operations	4	188,317	214,445	270,718	U
72	0603875C	International Cooperative Programs	4	59,126	81,560	116,992	U
73	0603876C	Threat and Countermeasures	4	23,258	19,343	22,621	U
74	0603884BP	Chemical and Biological Defense Program - Dem/Val	4	61,409	68,502	83,800	U

DEFENSE-WIDE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
75	0603892D8Z	ASAT	4		7,232		U
76	0603920D8Z	Humanitarian Demining	4	18,172	18,197	12,728	U
77	0603923D8Z	Coalition Warfare	4			11,839	U
78	0604722D8Z	Joint Service Education and Training Systems Development	4		3,419		U
79	0605104T	Technical Studies, Support and Analysis	4	980			U
80	0605110T	Partnership for Peace (PfP) Information Management System (PIMS)	4	2,618		1,932	U
81	0901585C	Pentagon Reservation	4			4,772	U
		Demonstration and Validation		**3,250,366**	**2,755,830**	**3,030,161**	
82	0604384BP	Chemical and Biological Defense Program - EMD	5	103,159	118,458	100,815	U
83	0604709D8Z	Joint Robotics Program - EMD	5	14,708	14,660	11,553	U
84	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	5	15,109	14,370	14,685	U
85	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	5	29,809	28,616	16,250	U
86	0604805D8Z	Commercial Operations and Support Savings Initiative	5	7,221	11,582		U
87	0604861C	Theater High-Altitude Area Defense System - TMD - EMD	5		79,462	549,945	U
88	0604865C	Patriot PAC-3 Theater Missile Defense Acquisition - EMD	5	237,345	179,139	81,016	U
89	0604867C	Navy Area Theater Missile Defense - EMD	5	241,883	307,274	274,234	U
90	0605013D8Z	Information Technology Development	5			12,000	U
91	0605013S	Information Technology Development	5			1,671	U

DEFENSE-WIDE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
92	0605014S	Information Technology Development (Field Activity)	5		47,499	26,797	U
93	0605015S	Information Technology Development (Standard Procurement System)	5			15,772	U
94	0303129K	Defense Message System	5			11,340	U
95	0303140K	Information Systems Security Program	5			18,210	U
96	0303141K	Global Combat Support System	5			22,287	U
97	0305840K	Electronic Commerce	5			28,094	U
		Engineering and Manufacturing Development		**649,234**	**801,060**	**1,184,669**	
98	0603858D8Z	Unexploded Ordnance Detection and Clearance	6	1,216	1,168	1,204	U
99	0604942D8Z	Assessments and Evaluations	6	4,330			U
100	0604943D8Z	Thermal Vicar	6			4,882	U
101	0605104D8Z	Technical Studies, Support and Analysis	6	30,714	27,421	30,597	U
102	0605110BR	Critical Technology Support	6		2,198	3,927	U
103	0605114E	BLACK LIGHT	6	4,985	4,994	5,000	U
104	0605116D8Z	General Support to C3I	6		7,749	3,769	U
105	0605117D8Z	Foreign Material Acquisition and Exploitation	6	34,229	64,042	32,173	U
106	0605123D8Z	AFCC Engineering and Installation	6		1,500	6,000	U
107	0605124D8Z	Special Applications Program	6			9,122	U
108	0605126J	Joint Theater Air and Missile Defense Organization	6	109,079	17,379	21,200	U
109	0605128BR	Classified Program	6	13,583			U
110	0605128D8Z	Classified Program USD(P)	6	3,230	11,296		U

DEFENSE-WIDE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
111	0605130D8Z	Foreign Comparative Testing	6			31,697	U
112	0605160BR	Counterproliferation Support	6	9,114	5,271		U
113	0605384BP	Chemical and Biological Defense Program	6	25,099	24,553	23,907	U
114	0605502BP	Small Business Innovative Research - Chemical Biological Def	6	5,638			U
115	0605502D8Z	Small Business Innovative Research	6	16,626	25,755		U
116	0605502E	Small Business Innovative Research	6	42,839			U
117	0605710D8Z	Classified Programs - C3I	6	61,733	598	641	U
118	0605790D8Z	Small Business Innovation Research Administration	6	1,737	1,630	1,728	U
119	0605798S	Defense Technology Analysis	6	7,741	9,775	5,048	U
120	0605801K	Defense Technical Information Services (DTIC)	6	45,040	45,495	45,350	U
121	0605803S	R&D in Support of DoD Enlistment, Testing and Evaluation	6	8,090	8,080	8,776	U
122	0605804D8Z	Development Test and Evaluation	6			43,915	U
123	0605898E	Management Headquarters (Research and Development)	6	32,898	32,103	34,679	U
				---	---	---	
	RDT&E Management Support			**457,921**	**291,007**	**313,615**	
124	0604805D8Z	Commercial Operations and Support Savings Initiative	7			9,629	U
125	0208045K	C3 Interoperability	7	29,080	23,629	37,072	U
126	0208052J	Joint Analytical Model Improvement Program	7	833	1,008	11,941	U
127	0301011G	Cryptologic Activities	7				
128	0301055G	Cryptologic Communications	7				

DEFENSE-WIDE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
129	0301301L	General Defense Intelligence Program	7				
130	0302016K	National Military Command System-Wide Support	7	642	608	641	U
131	0302019K	Defense Info Infrastructure Engineering and Integration	7	5,584	3,421	5,704	U
132	0303126K	Long-Haul Communications (DCS)	7	11,469	1,306	1,416	U
133	0303127K	Support of the National Communications System	7	4,386	4,242	5,019	U
134	0303131K	Minimum Essential Emergency Communications Network (MEECN)	7	4,367	5,270	7,099	U
135	0303140G	Information Systems Security Program	7	243,028	244,109	290,771	U
136	0303149J	C4I for the Warrior	7	2,798	2,971	5,486	U
137	0303149K	C4I for the Warrior	7	3,407	385	405	U
138	0303153K	Joint Spectrum Center	7	8,756	8,757	8,735	U
139	0304210BB	Special Reconnaissance Capabilities (SRC) Program	7			3,800	U
140	0304345BQ	National Imagery and Mapping Program	7				
141	0305102BQ	Defense Imagery and Mapping Program	7	109,098	104,839	74,975	U
142	0305127V	Foreign Counterintelligence Activities	7	417	436	444	U
143	0305159I	Defense Reconnaissance Support Activities (SPACE)	7	44,141			U
144	0305190D8Z	C3I Intelligence Programs	7	10,589	15,403	25,182	U
145	0305202G	Dragon U-2 (JMIP)	7		4,620	4,379	U
146	0305206G	Airborne Reconnaissance Systems	7	15,000	21,716	13,514	U

DEFENSE-WIDE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
147	0305207G	Manned Reconnaissance Systems	7	9,959	9,830	4,543	U
148	0305208BQ	Distributed Common Ground Systems	7				
149	0305208G	Distributed Common Ground Systems	7				
150	0305208L	Distributed Common Ground Systems	7	1,958	1,000	994	U
151	0305884L	Intelligence Planning and Review Activities	7				
152	0305885G	Tactical Cryptologic Activities	7	99,737	108,255	95,671	U
153	0305889G	Counterdrug Intelligence Support	7	5,428			U
154	0708011S	Industrial Preparedness	7	25,843	13,472	7,090	U
155	0902298J	Management Headquarters (OJCS)	7	9,287	9,188	12,540	U
156	0902740J	Joint Simulation System	7	24,564	18,421	24,095	U
157	1001017D8Z	Partnership for Peace Activities	7	4,847			U
158	1160279BB	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	7	4,068	4,896		U
159	1160401BB	Special Operations Technology Development	7	3,750	6,875	7,360	U
160	1160402BB	Special Operations Advanced Technology Development	7	28,305	7,743	7,778	U
161	1160404BB	Special Operations Tactical Systems Development	7	128,931	147,438	133,520	U
162	1160405BB	Special Operations Intelligence Systems Development	7	8,417	5,138	3,022	U
163	1160407BB	SOF Medical Technology Development	7	1,945	3,863	2,065	U
164	1160408BB	SOF Operational Enhancements	7	39,179	61,739	87,071	U
		Operational Systems Development		**2,269,398**	**1,997,347**	**2,215,396**	
		Total Research, Development, Test & Eval, Defwide		**10,093,447**	**9,425,067**	**10,238,242**	

DEFENSE-WIDE

FY 2001 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

FEB 2000

Summary Recap of Budget Activities	FY 1999	FY 2000	FY 2001
RDT&E Management Support	258,606	264,582	
Total Developmental Test & Eval, Defense	**258,606**	**264,582**	

Summary Recap of FYDP Programs			
Research and Development	258,606	264,582	
Total Developmental Test & Eval, Defense	**258,606**	**264,582**	

DEFENSE-WIDE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0450D Developmental Test & Eval, Defense

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
1	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	6	131,669	132,866		U
2	0605130D8Z	Foreign Comparative Testing	6	32,684	31,876		U
3	0605804D8Z	Development Test and Evaluation	6	94,253	99,840		U
		RDT&E Management Support		**258,606**	**264,582**		
		Total Developmental Test & Eval, Defense		**258,606**	**264,582**		

DEFENSE-WIDE

FY 2001 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

FEB 2000

Summary Recap of Budget Activities	FY 1999	FY 2000	FY 2001
RDT&E Management Support	47,145	31,271	201,560
Total Operational Test & Eval, Defense	**47,145**	**31,271**	**201,560**

Summary Recap of FYDP Programs			
Research and Development	47,145	31,271	201,560
Total Operational Test & Eval, Defense	**47,145**	**31,271**	**201,560**

DEFENSE-WIDE
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0460D Operational Test & Eval, Defense

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
1	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	6			121,401	U
2	0605118D8Z	Operational Test and Evaluation	6	28,211	14,602	17,172	U
3	0605131D8Z	Live Fire Testing	6	18,934	16,669	9,712	U
4	0605804D8Z	Development Test and Evaluation	6			53,275	U
		RDT&E Management Support		47,145	31,271	201,560	
		Total Operational Test & Eval, Defense		47,145	31,271	201,560	

Special Operations Command
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
139	0304210BB	Special Reconnaissance Capabilities (SRC) Program	7			3,800	U
		Operational Systems Development				**3,800**	
158	1160279BB	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	7	4,068	4,896		U
159	1160401BB	Special Operations Technology Development	7	3,750	6,875	7,360	U
160	1160402BB	Special Operations Advanced Technology Development	7	28,305	7,743	7,778	U
161	1160404BB	Special Operations Tactical Systems Development	7	128,931	147,438	133,520	U
162	1160405BB	Special Operations Intelligence Systems Development	7	8,417	5,138	3,022	U
163	1160407BB	SOF Medical Technology Development	7	1,945	3,863	2,065	U
164	1160408BB	SOF Operational Enhancements	7	39,179	61,739	87,071	U
		Operational Systems Development		**214,595**	**237,692**	**240,816**	
		Total Special Operations Command		**214,595**	**237,692**	**244,616**	

Chemical and Biological Defense Program
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
7	0601384BP	Chemical and Biological Defense Program	1	28,505	44,040	33,197	U
	Basic Research			**28,505**	**44,040**	**33,197**	
16	0602384BP	Chemical and Biological Defense Program	2	62,301	97,400	73,600	U
	Applied Research			**62,301**	**97,400**	**73,600**	
33	0603384BP	Chemical and Biological Defense Program - Advanced Development	3	59,186	56,911	46,594	U
	Advanced Technology Development			**59,186**	**56,911**	**46,594**	
74	0603884BP	Chemical and Biological Defense Program - Dem/Val	4	61,409	68,502	83,800	U
	Demonstration and Validation			**61,409**	**68,502**	**83,800**	
82	0604384BP	Chemical and Biological Defense Program - EMD	5	103,159	118,458	100,815	U
	Engineering and Manufacturing Development			**103,159**	**118,458**	**100,815**	
113	0605384BP	Chemical and Biological Defense Program	6	25,099	24,553	23,907	U
114	0605502BP	Small Business Innovative Research - Chemical Biological Def	6	5,638			U
	RDT&E Management Support			**30,737**	**24,553**	**23,907**	
	Total Chemical and Biological Defense Program			**345,297**	**409,864**	**361,913**	

National Imagery And Mapping Agency
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
140	0304345BQ	National Imagery and Mapping Program	7				
141	0305102BQ	Defense Imagery and Mapping Program	7	109,098	104,839	74,975	U
148	0305208BQ	Distributed Common Ground Systems	7				
		Operational Systems Development		---	---	---	
		Total National Imagery And Mapping Agency		---	---	---	

Defense Threat Reduction Agency
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
20	0602715BR	Nuclear Sustainment & Counterproliferation Technologies	2	210,003	214,541	230,928	U
	Applied Research			**210,003**	**214,541**	**230,928**	
27	0603160BR	Counterproliferation Advanced Development Technologies	3	51,954	80,582	77,391	U
35	0603711BR	Arms Control Technology	3	57,168	73,528	52,930	U
	Advanced Technology Development			**109,122**	**154,110**	**130,321**	
102	0605110BR	Critical Technology Support	6		2,198	3,927	U
109	0605128BR	Classified Program	6	13,583			U
112	0605160BR	Counterproliferation Support	6	9,114	5,271		U
	RDT&E Management Support			**22,697**	**7,469**	**3,927**	
	Total Defense Threat Reduction Agency			**341,822**	**376,120**	**365,176**	

Ballistic Missile Defense Organization
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
9	0602173C	Support Technologies - Applied Research	2	93,466	88,365	37,747	U
	Applied Research			**93,466**	**88,365**	**37,747**	
28	0603173C	Support Technologies - Advanced Technology Development	3	273,397	212,837	93,249	U
29	0603174C	Space Based Lasers (SBL)	3			74,537	U
	Advanced Technology Development			**273,397**	**212,837**	**167,786**	
64	0603861C	Theater High-Altitude Area Defense System - TMD - Dem/Val	4	431,948	523,525		U
65	0603868C	Navy Theater Wide Missile Defense System	4	366,325	375,764	382,671	U
66	0603869C	Meads Concepts - Dem/Val	4	11,675	48,594	63,175	U
67	0603870C	Boost Phase Intercept Theater Missile Defense Acquisition - Dem/Val	4	6,335	4,961		U
68	0603871C	National Missile Defense - Dem/Val	4	1,678,201	950,248	1,740,238	U
69	0603872C	Joint Theater Missile Defense - Dem/Val	4	204,213	196,566		U
70	0603873C	Family-of Systems Engineering and Integration (FoS E&I)	4	94,422	145,657	231,248	U
71	0603874C	BMD Technical Operations	4	188,317	214,445	270,718	U
72	0603875C	International Cooperative Programs	4	59,126	81,560	116,992	U
73	0603876C	Threat and Countermeasures	4	23,258	19,343	22,621	U
	Demonstration and Validation			**3,063,820**	**2,560,663**	**2,827,663**	
81	0901585C	Pentagon Reservation	4			4,772	U
	Demonstration and Validation					**4,772**	
87	0604861C	Theater High-Altitude Area Defense System - TMD - EMD	5		79,462	549,945	U

Ballistic Missile Defense Organization
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
88	0604865C	Patriot PAC-3 Theater Missile Defense Acquisition - EMD	5	237,345	179,139	81,016	U
89	0604867C	Navy Area Theater Missile Defense - EMD	5	241,883	307,274	274,234	U
		Engineering and Manufacturing Development		479,228	565,875	905,195	
		Total Ballistic Missile Defense Organization		3,909,911	3,427,740	3,943,163	

Office Of Secretary Of Defense
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
1	0601101D8Z	In-House Laboratory Independent Research	1	2,146	2,029	2,007	U
3	0601103D8Z	University Research Initiatives	1	220,431	224,016	253,627	U
4	0601105D8Z	Gulf War Illness	1	22,588	24,543	16,978	U
5	0601111D8Z	Government/Industry Cosponsorship of University Research	1	4,233	6,175	6,715	U
6	0601114D8Z	Def Experimental Program to Stimulate Competitive Research	1			9,859	U
	Basic Research			**249,398**	**256,763**	**289,186**	
10	0602227D8Z	Medical Free Electron Laser	2	13,930	11,525	15,029	U
11	0602228D8Z	Historically Black Colleges and Universities (HBCU) Science	2		15,747	14,236	U
12	0602234D8Z	Lincoln Laboratory Research Program	2	20,219	20,189	18,602	U
21	0602787D8Z	Medical Technology	2	9,119	8,875	8,680	U
	Applied Research			**43,268**	**56,336**	**56,547**	
23	0603002D8Z	Medical Advanced Technology	3	2,109	1,996	2,043	U
24	0603104D8Z	Explosives Demilitarization Technology	3	13,379	23,635	8,964	U
25	0603121D8Z	SO/LIC Advanced Development	3	4,505		8,622	U
26	0603122D8Z	Combating Terrorism Technology Support	3	36,349	55,449	41,307	U
30	0603225D8Z	Joint DoD-DoE Munitions Technology Development	3	12,553	14,315	16,670	U
31	0603232D8Z	Automatic Target Recognition	3	6,107	7,529	7,534	U
34	0603704D8Z	Special Technical Support	3	11,018	15,568	10,777	U
37	0603716D8Z	Strategic Environmental Research Program	3	56,513	57,207	51,357	U

Office Of Secretary Of Defense
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
38	0603727D8Z	Joint Warfighting Program	3	34,043	7,675	7,607	U
39	0603738D8Z	Cooperative DoD/VA Medical Research	3	5,855	7,415		U
42	0603750D8Z	Advanced Concept Technology Demonstrations	3	80,281	104,976	116,425	U
43	0603755D8Z	High Performance Computing Modernization Program	3	151,613	164,262	164,027	U
51	0603832D8Z	Joint Wargaming Simulation Management Office	3	56,861	66,967	56,971	U
52	0605160D8Z	Counterproliferation Support	3		1,449	1,483	U
		Advanced Technology Development		**471,186**	**528,443**	**493,787**	
56	0603228D8Z	Physical Security Equipment	4	24,981	25,351	35,108	U
57	0603708D8Z	Integrated Diagnostics	4	3,020			U
58	0603709D8Z	Joint Robotics Program	4	15,646	17,516	10,294	U
59	0603714D8Z	Advanced Sensor Applications Program	4	17,731	27,115	15,534	U
60	0603736D8Z	CALS Initiative	4	6,994	5,488	1,585	U
62	0603851D8Z	Environmental Security Technical Certification Program	4	16,451	22,347	24,906	U
75	0603892D8Z	ASAT	4		7,232		U
76	0603920D8Z	Humanitarian Demining	4	18,172	18,197	12,728	U
77	0603923D8Z	Coalition Warfare	4			11,839	U
78	0604722D8Z	Joint Service Education and Training Systems Development	4		3,419		U
		Demonstration and Validation		**102,995**	**126,665**	**111,994**	
83	0604709D8Z	Joint Robotics Program - EMD	5	14,708	14,660	11,553	U
85	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	5	29,809	28,616	16,250	U

Office Of Secretary Of Defense
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
86	0604805D8Z	Commercial Operations and Support Savings Initiative	5	7,221	11,582		U
90	0605013D8Z	Information Technology Development	5			12,000	U
		Engineering and Manufacturing Development		**51,738**	**54,858**	**39,803**	
98	0603858D8Z	Unexploded Ordnance Detection and Clearance	6	1,216	1,168	1,204	U
99	0604942D8Z	Assessments and Evaluations	6	4,330			U
100	0604943D8Z	Thermal Vicar	6			4,882	U
101	0605104D8Z	Technical Studies, Support and Analysis	6	30,714	27,421	30,597	U
104	0605116D8Z	General Support to C3I	6		7,749	3,769	U
105	0605117D8Z	Foreign Material Acquisition and Exploitation	6	34,229	64,042	32,173	U
106	0605123D8Z	AFCC Engineering and Installation	6		1,500	6,000	U
107	0605124D8Z	Special Applications Program	6			9,122	U
110	0605128D8Z	Classified Program USD(P)	6	3,230	11,296		U
111	0605130D8Z	Foreign Comparative Testing	6			31,697	U
115	0605502D8Z	Small Business Innovative Research	6	16,626	25,755		U
117	0605710D8Z	Classified Programs - C3I	6	61,733	598	641	U
118	0605790D8Z	Small Business Innovation Research Administration	6	1,737	1,630	1,728	U
122	0605804D8Z	Development Test and Evaluation	6			43,915	U
		RDT&E Management Support		**153,815**	**141,159**	**165,728**	
124	0604805D8Z	Commercial Operations and Support Savings Initiative	7			9,629	U
		Operational Systems Development				**9,629**	
144	0305190D8Z	C3I Intelligence Programs	7	10,589	15,403	25,182	U
		Operational Systems Development		**10,589**	**15,403**	**25,182**	

Office Of Secretary Of Defense
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
157	1001017D8Z	Partnership for Peace Activities	7	4,847			U
		Operational Systems Development		4,847			
		Total Office Of Secretary Of Defense		1,087,836	1,179,627	1,191,856	

Defense Adv Research Projects Agcy
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
2	0601101E	Defense Research Sciences	1	57,369	67,608	90,415	U
	Basic Research			**57,369**	**67,608**	**90,415**	
8	0602110E	Next Generation Internet	2	41,919	36,473	15,000	U
13	0602301E	Computing Systems and Communications Technology	2	309,100	320,648	376,592	U
14	0602302E	Extensible Information Systems	2		30,000	69,282	U
15	0602383E	Biological Warfare Defense	2	84,009	131,705	162,064	U
17	0602702E	Tactical Technology	2	158,953	142,501	121,051	U
18	0602708E	Integrated Command and Control Technology	2	38,315	38,126	31,761	U
19	0602712E	Materials and Electronics Technology	2	268,595	242,267	249,812	U
	Applied Research			**900,891**	**941,720**	**1,025,562**	
32	0603285E	Advanced Aerospace Systems	3		17,071	26,821	U
40	0603739E	Advanced Electronics Technologies	3	260,296	252,388	191,800	U
41	0603747E	Electric Vehicles	3	9,000			U
44	0603760E	Command, Control and Communications Systems	3	171,370	185,926	128,863	U
45	0603761E	Communication and Simulation Technology	3	50,017			U
46	0603762E	Sensor and Guidance Technology	3	199,445	177,598	182,225	U
47	0603763E	Marine Technology	3	24,779	21,681	30,304	U
48	0603764E	Land Warfare Technology	3	85,287	96,320	134,249	U
49	0603765E	Classified DARPA Programs	3	48,797	78,973	101,387	U
	Advanced Technology Development			**848,991**	**829,957**	**795,649**	
103	0605114E	BLACK LIGHT	6	4,985	4,994	5,000	U

Defense Adv Research Projects Agcy
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
116	0605502E	Small Business Innovative Research	6	42,839			U
123	0605898E	Management Headquarters (Research and Development)	6	32,898	32,103	34,679	U
		RDT&E Management Support		**80,722**	**37,097**	**39,679**	
		Total Defense Adv Research Projects Agcy		**1,887,973**	**1,876,382**	**1,951,305**	

National Security Agency
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
53	0303132G	Global Grid Communications	3				
54	0304211G	National Activities	3				
55	0305166G	Special Development	3				
				---	---	---	
	Advanced Technology Development						
127	0301011G	Cryptologic Activities	7				
128	0301055G	Cryptologic Communications	7				
135	0303140G	Information Systems Security Program	7	243,028	244,109	290,771	U
145	0305202G	Dragon U-2 (JMIP)	7		4,620	4,379	U
146	0305206G	Airborne Reconnaissance Systems	7	15,000	21,716	13,514	U
147	0305207G	Manned Reconnaissance Systems	7	9,959	9,830	4,543	U
149	0305208G	Distributed Common Ground Systems	7				
152	0305885G	Tactical Cryptologic Activities	7	99,737	108,255	95,671	U
153	0305889G	Counterdrug Intelligence Support	7	5,428			U
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	Operational Systems Development						
				---	---	---	
	Total National Security Agency						

Defense Support Project Office
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
143	0305159I	Defense Reconnaissance Support Activities (SPACE)	7	44,141			U
		Operational Systems Development		44,141			
		Total Defense Support Project Office		44,141			

Joint Chiefs of Staff
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
63	0603857J	All Service Combat Identification Evaluation Team (ASCIET)	4	12,914			U
	Demonstration and Validation			**12,914**			
108	0605126J	Joint Theater Air and Missile Defense Organization	6	109,079	17,379	21,200	U
	RDT&E Management Support			**109,079**	**17,379**	**21,200**	
126	0208052J	Joint Analytical Model Improvement Program	7	833	1,008	11,941	U
	Operational Systems Development			**833**	**1,008**	**11,941**	
136	0303149J	C4I for the Warrior	7	2,798	2,971	5,486	U
	Operational Systems Development			**2,798**	**2,971**	**5,486**	
155	0902298J	Management Headquarters (OJCS)	7	9,287	9,188	12,540	U
156	0902740J	Joint Simulation System	7	24,564	18,421	24,095	U
	Operational Systems Development			**33,851**	**27,609**	**36,635**	
	Total Joint Chiefs of Staff			**159,475**	**48,967**	**75,262**	

Defense Information Systems Agency
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
22	0305108K	Command and Control Research	2	1,943	1,953		U
	Applied Research			**1,943**	**1,953**		
84	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	5	15,109	14,370	14,685	U
	Engineering and Manufacturing Development			**15,109**	**14,370**	**14,685**	
94	0303129K	Defense Message System	5			11,340	U
95	0303140K	Information Systems Security Program	5			18,210	U
96	0303141K	Global Combat Support System	5			22,287	U
97	0305840K	Electronic Commerce	5			28,094	U
	Engineering and Manufacturing Development					**79,931**	
120	0605801K	Defense Technical Information Services (DTIC)	6	45,040	45,495	45,350	U
	RDT&E Management Support			**45,040**	**45,495**	**45,350**	
125	0208045K	C3 Interoperability	7	29,080	23,629	37,072	U
	Operational Systems Development			**29,080**	**23,629**	**37,072**	
130	0302016K	National Military Command System-Wide Support	7	642	608	641	U
131	0302019K	Defense Info Infrastructure Engineering and Integration	7	5,584	3,421	5,704	U
132	0303126K	Long-Haul Communications (DCS)	7	11,469	1,306	1,416	U
133	0303127K	Support of the National Communications System	7	4,386	4,242	5,019	U
134	0303131K	Minimum Essential Emergency Communications Network (MEECN)	7	4,367	5,270	7,099	U
137	0303149K	C4I for the Warrior	7	3,407	385	405	U

Defense Information Systems Agency
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
138	0303153K	Joint Spectrum Center	7	8,756	8,757	8,735	U
		Operational Systems Development		38,611	23,989	29,019	
		Total Defense Information Systems Agency		129,783	109,436	206,057	

Defense Intelligence Agency
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
129	0301301L	General Defense Intelligence Program	7				
150	0305208L	Distributed Common Ground Systems	7	1,958	1,000	994	U
151	0305884L	Intelligence Planning and Review Activities	7				
		Operational Systems Development		---	---	---	
		Total Defense Intelligence Agency		---	---	---	

Defense Logistics Agency
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
36	0603712S	Generic Logistics R&D Technology Demonstrations	3	25,651	22,920	23,082	U
50	0603805S	Dual Use Application Programs	3	5,938			U
		Advanced Technology Development		**31,589**	**22,920**	**23,082**	
91	0605013S	Information Technology Development	5			1,671	U
92	0605014S	Information Technology Development (Field Activity)	5		47,499	26,797	U
93	0605015S	Information Technology Development (Standard Procurement System)	5			15,772	U
		Engineering and Manufacturing Development			**47,499**	**44,240**	
119	0605798S	Defense Technology Analysis	6	7,741	9,775	5,048	U
121	0605803S	R&D in Support of DoD Enlistment, Testing and Evaluation	6	8,090	8,080	8,776	U
		RDT&E Management Support		**15,831**	**17,855**	**13,824**	
154	0708011S	Industrial Preparedness	7	25,843	13,472	7,090	U
		Operational Systems Development		**25,843**	**13,472**	**7,090**	
		Total Defense Logistics Agency		**73,263**	**101,746**	**88,236**	

Defense Security Cooperation Agency
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
61	0603790T	NATO Research and Development	4	5,630			U
79	0605104T	Technical Studies, Support and Analysis	4	980			U
80	0605110T	Partnership for Peace (PfP) Information Management System (PIMS)	4	2,618		1,932	U
		Demonstration and Validation		9,228		1,932	
		Total Defense Security Cooperation Agency		9,228		1,932	

Defense Security Service
FY 2001 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2000

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 1999	FY 2000	FY 2001	SEC
142	0305127V	Foreign Counterintelligence Activities	7	417	436	444	U
		Operational Systems Development		417	436	444	
		Total Defense Security Service		417	436	444	