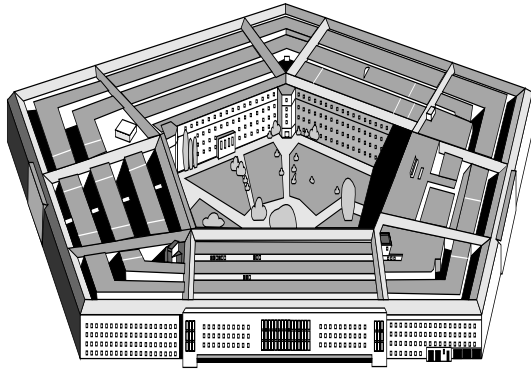


# RDT&E PROGRAMS (R-1)



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*Department of Defense Budget*

*Fiscal Years 2004/2005*

*February 2003*

*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 Comptroller Information System database.**

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

**Office of the Under Secretary of Defense (Comptroller)**

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UNCLASSIFIED  
DEPARTMENT OF DEFENSE  
FY 2004/2005 RDT&E PROGRAM

FEB 2003

SUMMARY  
(\$ IN THOUSANDS)

<u>APPROPRIATION</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Research, Development, Test & Eval, Army	7,018,252	7,534,849	9,122,825	9,538,691
Research, Development, Test & Eval, Navy	11,379,389	13,630,517	14,106,653	15,444,110
Research, Development, Test & Eval, AF	14,479,222	18,560,692	20,336,258	21,712,733
Research, Development, Test & Eval, DW	15,517,508	17,061,389	17,974,257	20,106,743
Operational Test & Eval, Defense	229,128	237,554	286,661	301,135
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>48,623,499</b>	<b>57,025,001</b>	<b>61,826,654</b>	<b>67,103,412</b>

UNCLASSIFIED  
DEPARTMENT OF DEFENSE  
FY 2004/2005 RDT&E PROGRAM

FEB 2003

SUMMARY  
(\$ IN THOUSANDS)

<u>Summary Recap of Budget Activities</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Basic Research	1,349,519	1,417,091	1,308,524	1,343,220
Applied Research	4,093,681	4,288,637	3,669,991	3,914,236
Advanced Technology Development	4,430,358	5,066,899	5,252,646	5,283,106
Advanced Component Development & Prototypes	10,125,219	10,754,348	13,197,034	14,510,950
System Development & Demonstration	10,675,933	13,736,727	15,912,696	16,963,144
RDT&E Management Support	3,645,704	3,105,760	3,027,840	3,196,283
Operational Systems Development	14,303,085	18,655,539	19,457,923	21,892,473
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>48,623,499</b>	<b>57,025,001</b>	<b>61,826,654</b>	<b>67,103,412</b>
<u>Summary Recap of FYDP Programs</u>				
Strategic Forces	195,226	243,039	333,300	344,900
General Purpose Forces	3,191,067	3,944,775	4,202,273	4,909,937
Intelligence and Communications	9,334,169	12,602,046	13,390,325	13,882,531
Mobility Forces	544,771	673,152	781,065	1,008,595
Guard and Reserve Forces	11,360	12,507	4,653	4,393
Research and Development	34,475,370	38,637,279	42,183,474	45,991,727
Central Supply and Maintenance	373,885	326,692	286,495	238,959
Training Medical and Other		310	3,258	3,271
Administration and Associated Activities	114,561	91,282	196,890	257,483
Support of Other Nations	3,574	4,275	29,091	78,106
Special Operations Forces	379,516	489,644	415,830	383,510
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>48,623,499</b>	<b>57,025,001</b>	<b>61,826,654</b>	<b>67,103,412</b>

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DEPARTMENT OF THE ARMY  
FY 2004/2005 RDT&E PROGRAM

SUMMARY  
(\$ IN THOUSANDS)

FEB 2003

<u>Summary Recap of Budget Activities</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Basic Research	220,960	244,411	343,037	344,398
Applied Research	865,270	857,766	641,263	654,784
Advanced Technology Development	906,920	1,040,392	805,696	829,188
Advanced Component Development & Prototypes	859,300	856,512	784,347	694,361
System Development & Demonstration	2,141,017	2,512,282	4,737,771	5,243,019
RDT&E Management Support	928,420	950,090	860,457	872,978
Operational Systems Development	1,096,365	1,073,396	950,254	899,963
<b>Total Research, Development, Test &amp; Eval, Army</b>	<b>7,018,252</b>	<b>7,534,849</b>	<b>9,122,825</b>	<b>9,538,691</b>

Summary Recap of FYDP Programs

Strategic Forces	31,114	28,792	57,549	56,420
General Purpose Forces	588,867	556,844	449,735	369,348
Intelligence and Communications	276,020	317,906	291,647	295,351
Research and Development	6,023,043	6,556,076	8,257,410	8,749,265
Central Supply and Maintenance	98,769	74,728	65,981	67,706
Administration and Associated Activities	439			
Support of Other Nations		503	503	601
<b>Total Research, Development, Test &amp; Eval, Army</b>	<b>7,018,252</b>	<b>7,534,849</b>	<b>9,122,825</b>	<b>9,538,691</b>

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DEPARTMENT OF THE ARMY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
1	0601101A	In-House Laboratory Independent Research	1	13,726	20,608	24,121	24,256	U
2	0601102A	Defense Research Sciences	1	135,535	140,493	128,798	129,586	U
3	0601103A	University Research Initiatives	1			71,642	77,166	U
4	0601104A	University and Industry Research Centers	1	71,699	83,310	84,816	79,750	U
5	0601105A	Force Health Protection	1			9,847	9,796	U
6	0601114A	Defense Experimental Program to Stimulate Competitive Research	1			9,730	9,614	U
7	0601228A	Historically Black Colleges and Universities/Minority Instit	1			14,083	14,230	U
	<b>Basic Research</b>			<b>220,960</b>	<b>244,411</b>	<b>343,037</b>	<b>344,398</b>	
8	0602105A	Materials Technology	2	20,206	33,621	15,186	14,881	U
9	0602120A	Sensors and Electronic Survivability	2	31,635	21,820	22,765	25,510	U
10	0602122A	TRACTOR HIP	2	7,197	8,006	5,835	6,097	U
11	0602211A	Aviation Technology	2	41,295	39,693	39,459	41,886	U
12	0602270A	EW Technology	2	16,427	17,303	17,029	17,923	U
13	0602303A	Missile Technology	2	58,855	53,308	43,269	50,407	U
14	0602307A	Advanced Weapons Technology	2	25,460	19,976	14,189	17,560	U
15	0602308A	Advanced Concepts and Simulation	2	30,319	30,150	15,941	15,643	U
16	0602601A	Combat Vehicle and Automotive Technology	2	109,394	79,952	80,910	71,108	U
17	0602618A	Ballistics Technology	2	60,646	62,458	53,478	52,392	U
18	0602622A	Chemical, Smoke and Equipment Defeating Technology	2	6,079	15,643	3,540	3,553	U
19	0602623A	Joint Service Small Arms Program	2	5,088	5,468	5,835	5,979	U

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DEPARTMENT OF THE ARMY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
20	0602624A	Weapons and Munitions Technology	2	62,914	72,504	39,485	45,598	U
21	0602705A	Electronics and Electronic Devices	2	48,000	59,682	33,694	42,005	U
22	0602709A	Night Vision Technology	2	22,172	19,696	22,233	22,420	U
23	0602712A	Countermine Systems	2	21,995	16,857	21,291	21,422	U
24	0602716A	Human Factors Engineering Technology	2	20,144	20,516	16,749	16,357	U
25	0602720A	Environmental Quality Technology	2	16,692	26,747	18,252	17,157	U
26	0602782A	Command, Control, Communications Technology	2	22,130	21,150	18,728	18,696	U
27	0602783A	Computer and Software Technology	2	3,895	4,001	4,142	4,102	U
28	0602784A	Military Engineering Technology	2	56,911	55,304	45,407	46,034	U
29	0602785A	Manpower/Personnel/Training Technology	2	14,367	15,358	15,548	15,607	U
30	0602786A	Warfighter Technology	2	31,650	34,239	29,421	21,375	U
31	0602787A	Medical Technology	2	122,121	124,314	58,877	61,072	U
32	0602805A	Dual Use Science and Technology	2	9,678				U
	<b>Applied Research</b>			<b>865,270</b>	<b>857,766</b>	<b>641,263</b>	<b>654,784</b>	
33	0603001A	Warfighter Advanced Technology	3	59,815	57,014	63,882	68,763	U
34	0603002A	Medical Advanced Technology	3	169,598	166,406	35,168	38,686	U
35	0603003A	Aviation Advanced Technology	3	37,290	41,924	72,083	70,327	U
36	0603004A	Weapons and Munitions Advanced Technology	3	34,244	63,230	47,752	72,404	U
37	0603005A	Combat Vehicle and Automotive Advanced Technology	3	220,196	264,795	210,856	205,245	U
38	0603006A	Command, Control, Communications Advanced Technology	3	33,272	6,814	10,379	13,073	U

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DEPARTMENT OF THE ARMY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
39	0603007A	Manpower, Personnel and Training Advanced Technology	3	3,077	7,663	4,931	7,158	U
40	0603008A	Electronic Warfare Advanced Technology (H)	3		26,931	40,347	41,982	U
41	0603009A	TRACTOR HIKE	3	12,027	17,141	8,781	10,094	U
42	0603015A	Next Generation Training & Simulation Systems	3			18,649	20,379	U
43	0603017A	TRACTOR RED	3	300				U
44	0603020A	TRACTOR ROSE	3	8,952	4,602	2,872	3,284	U
45	0603103A	Explosives Demilitarization Technology	3			9,349	9,860	U
46	0603105A	Military HIV Research	3	5,697		6,733	6,746	U
47	0603125A	Combating Terrorism, Technology Development	3		41,842	4,916	3,436	U
48	0603238A	Global Surveillance/Air Defense/ Precision Strike Technology Demonstration	3	34,963	29,788	12,660	8,833	U
49	0603270A	EW Technology	3	23,537	18,756	11,273	9,213	U
50	0603313A	Missile and Rocket Advanced Technology	3	76,979	99,695	111,321	94,062	U
51	0603322A	TRACTOR CAGE	3	3,078	2,939	7,592	9,165	U
52	0603606A	Landmine Warfare and Barrier Advanced Technology	3	24,718	28,595	24,552	25,476	U
53	0603607A	Joint Service Small Arms Program	3	4,264	12,998	6,193	5,979	U
54	0603654A	Line-Of-Sight Technology Demonstration	3	72,530	26,955	8,847		U
55	0603710A	Night Vision Advanced Technology	3	54,913	73,609	47,088	54,635	U
56	0603728A	Environmental Quality Technology Demonstrations	3	7,026	12,846	15,776	14,897	U

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DEPARTMENT OF THE ARMY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
57	0603734A	Military Engineering Advanced Technology	3	4,554	13,696	3,441	3,926	U
58	0603772A	Advanced Tactical Computer Science and Sensor Technology	3	15,890	22,153	20,255	31,565	U
		<b>Advanced Technology Development</b>		<b>906,920</b>	<b>1,040,392</b>	<b>805,696</b>	<b>829,188</b>	
59	0603305A	Army Missile Defense Systems Integration(Non Space)	4		37,233	51,547	51,802	U
60	0603308A	Army Missile Defense Systems Integration (Space)	4	68,481	57,429	9,632	9,649	U
61	0603327A	Air and Missile Defense Systems Engineering	4			79,959	71,887	U
62	0603619A	Landmine Warfare and Barrier - Adv Dev	4	20,300	9,716	36,976	42,262	U
63	0603627A	Smoke, Obscurant and Target Defeating Sys-Adv Dev	4		2,323	10,262	12,972	U
64	0603639A	Tank and Medium Caliber Ammunition	4	52,252	26,492	11,249	1,943	U
65	0603653A	Advanced Tank Armament System (ATAS)	4	98,145	143,296	61,377	52,429	U
66	0603747A	Soldier Support and Survivability	4	14,939	19,558	13,987	12,213	U
67	0603766A	Tactical Electronic Surveillance System - Adv Dev	4	16,225	16,107	17,068	16,079	U
68	0603774A	Night Vision Systems Advanced Development	4	10,662	11,170	5,283	5,227	U
69	0603779A	Environmental Quality Technology	4	39,047	31,121	11,514	9,454	U
70	0603782A	Warfighter Information Network-Tactical	4	12,140	48,556	90,774	75,332	U
71	0603790A	NATO Research and Development	4	6,202	4,559	4,779	5,263	U
72	0603801A	Aviation - Adv Dev	4	12,807	10,767	9,968	9,320	U
73	0603802A	Weapons and Munitions - Adv Dev	4	33,567	34,257	31,856	4,868	U

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DEPARTMENT OF THE ARMY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
74	0603804A	Logistics and Engineer Equipment - Adv Dev	4	7,412	9,243	12,008	10,713	U
75	0603805A	Combat Service Support Control System Evaluation and Analysis	4	8,395	8,415	8,682	8,658	U
76	0603807A	Medical Systems - Adv Dev	4	19,270	13,340	11,042	10,012	U
77	0603850A	Integrated Broadcast Service (JMIP/DISTP)	4	1,960	1,927	2,097	1,901	U
78	0603851A	TRACTOR CAGE	4	3,566				U
79	0603854A	Artillery Systems	4	427,273	356,651			U
80	0603856A	SCAMP Block II	4	6,657	14,352	28,028	15,107	U
81	0603869A	Medium Extended Air Defense System (MEADS) Concepts	4			276,259	267,270	U
		<b>Advanced Component Development &amp; Prototypes</b>		<b>859,300</b>	<b>856,512</b>	<b>784,347</b>	<b>694,361</b>	
82	0604201A	Aircraft Avionics	5	48,999	39,559	64,650	44,685	U
83	0604220A	Armed, Deployable OH-58D	5	1,764	1,790			U
84	0604223A	Comanche	5	754,381	874,018	1,079,257	1,181,563	U
85	0604270A	EW Development	5	53,411	38,309	33,214	19,526	U
86	0604280A	Joint Tactical Radio	5	72,742	62,921	134,693	91,583	U
87	0604321A	All Source Analysis System	5	44,242	54,366	20,168	15,548	U
88	0604328A	TRACTOR CAGE	5	4,967	9,309	16,215	15,147	U
89	0604329A	Common Missile	5	16,075	28,602	183,790	182,932	U
90	0604601A	Infantry Support Weapons	5			21,637	28,515	U
91	0604604A	Medium Tactical Vehicles	5	1,883	1,866	4,366	2,879	U
92	0604609A	Smoke, Obscurant and Target Defeating Sys-SDD	5	7,611	7,654	12,094	4,223	U
93	0604611A	JAVELIN	5	2,870	467	956	952	U

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DEPARTMENT OF THE ARMY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
94	0604619A	Landmine Warfare	5	22,165				U
95	0604622A	Family of Heavy Tactical Vehicles	5	2,510	14,521	9,200	10,756	U
96	0604633A	Air Traffic Control	5	1,116	2,199	2,514	2,596	U
97	0604641A	Tactical Unmanned Ground Vehicle (TUGV)	5	1,439	1,146			U
98	0604642A	Light Tactical Wheeled Vehicles	5	1,920	7,531	15,700	10,022	U
99	0604645A	Armored Systems Modernization (ASM)-SDD	5		239,213	1,701,331	2,458,373	U
100	0604649A	Engineer Mobility Equipment Development	5	8,902	7,786			U
101	0604710A	Night Vision Systems - SDD	5	24,783	36,581	29,022	22,399	U
102	0604713A	Combat Feeding, Clothing, and Equipment	5	90,579	86,449	67,283	66,748	U
103	0604715A	Non-System Training Devices - SDD	5	29,010	56,002	71,616	62,634	U
104	0604716A	Terrain Information - SDD	5	7,779	8,096	6,977	5,965	U
105	0604726A	Integrated Meteorological Support System	5	1,899	3,361	3,309	3,300	U
106	0604738A	JSIMS Core Program	5	29,758	19,213			U
107	0604741A	Air Defense Command, Control and Intelligence - SDD	5	16,669	27,262	29,297	32,415	U
108	0604742A	Constructive Simulation Systems Development	5	64,279	43,813	16,994	1,155	U
109	0604746A	Automatic Test Equipment Development	5	12,751	12,899	4,634	4,707	U
110	0604760A	Distributive Interactive Simulations (DIS) - SDD	5	21,333	18,128	26,358	20,567	U
111	0604766A	Tactical Surveillance Systems - SDD	5	59,668	57,255	19,695	16	U

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DEPARTMENT OF THE ARMY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	FY 2002	Thousands of Dollars			S E C
					FY 2003	FY 2004	FY 2005	
112	0604768A	Army Tactical Missile System (ATACMS)	5	106,860	42,942	55,075	9,836	U
113	0604770A	Joint Surveillance/Target Attack Radar System	5	7,485	4,511	4,705		U
114	0604778A	Positioning Systems Development (SPACE)	5			1,574	2,065	U
115	0604780A	Combined Arms Tactical Trainer (CATT) Core	5	11,799	8,247	3,998	5,596	U
116	0604783A	Joint Network Management System	5	21,225	7,677	9,437	10,811	U
117	0604801A	Aviation - SDD	5	5,365	3,481	2,379	2,390	U
118	0604802A	Weapons and Munitions - SDD	5	16,546	50,341	129,409	133,444	U
119	0604804A	Logistics and Engineer Equipment - SDD	5	31,204	64,808	86,288	88,153	U
120	0604805A	Command, Control, Communications Systems - SDD	5	112,970	89,546	219,088	162,970	U
121	0604807A	Medical Materiel/Medical Biological Defense Equipment - SDD	5	17,070	18,790	12,202	11,715	U
122	0604808A	Landmine Warfare/Barrier - SDD	5	55,502	123,314	90,396	90,126	U
123	0604814A	Artillery Munitions	5	59,329	102,188	133,994	153,389	U
124	0604817A	Combat Identification	5	2,892	4,985	3,541		U
125	0604818A	Army Tactical Command & Control Hardware & Software	5	59,276	96,326	98,129	86,950	U
126	0604819A	LOSAT	5	24,773	13,597	30,809	22,610	U
127	0604820A	Radar Development	5	4,952				U
128	0604823A	Firefinder	5	25,875	24,913	27,107	28,515	U
129	0604854A	Artillery Systems	5	63,655	26,614	32,629	9,636	U
130	0604865A	Patriot PAC-3 Theater Missile Defense Acquisition	5			174,475	78,440	U

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DEPARTMENT OF THE ARMY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
131	0605013A	Information Technology Development	5	108,734	69,686	47,566	57,167	U
		<b>System Development &amp; Demonstration</b>		<b>2,141,017</b>	<b>2,512,282</b>	<b>4,737,771</b>	<b>5,243,019</b>	
132	0604256A	Threat Simulator Development	6	19,896	18,158	17,751	18,915	U
133	0604258A	Target Systems Development	6	22,504	10,226	13,890	12,582	U
134	0604759A	Major T&E Investment	6	47,304	51,168	62,135	66,524	U
135	0605103A	Rand Arroyo Center	6	19,467	21,172	22,804	23,016	U
136	0605301A	Army Kwajalein Atoll	6	144,005	126,486	137,307	139,394	U
137	0605326A	Concepts Experimentation Program	6	30,678	23,564	26,473	27,121	U
138	0605502A	Small Business Innovative Research	6	160,561	178,120			U
139	0605601A	Army Test Ranges and Facilities	6	115,473	130,727	174,603	172,114	U
140	0605602A	Army Technical Test Instrumentation and Targets	6	35,560	41,052	54,986	60,018	U
141	0605604A	Survivability/Lethality Analysis	6	35,060	35,236	39,138	41,647	U
142	0605605A	DOD High Energy Laser Test Facility	6	22,445	16,679	17,806	17,999	U
143	0605606A	Aircraft Certification	6	3,524	3,618	3,098	3,132	U
144	0605702A	Meteorological Support to RDT&E Activities	6	6,727	6,795	9,669	9,771	U
145	0605706A	Materiel Systems Analysis	6	10,695	8,982	15,832	16,209	U
146	0605709A	Exploitation of Foreign Items	6	3,381	3,431	3,579	5,465	U
147	0605712A	Support of Operational Testing	6	85,714	91,566	67,795	67,757	U
148	0605716A	Army Evaluation Center	6	29,763	37,923	57,074	57,404	U
149	0605718A	Simulation & Modeling for Acq, Rqts, & Tng (SMART)	6			2,654	2,731	U
150	0605801A	Programwide Activities	6	58,366	57,831	71,555	68,870	U
151	0605803A	Technical Information Activities	6	41,695	45,516	28,520	28,929	U

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DEPARTMENT OF THE ARMY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
152	0605805A	Munitions Standardization, Effectiveness and Safety	6	29,443	30,029	19,855	19,627	U
153	0605857A	Environmental Quality Technology Mgmt Support	6	1,662	1,820	4,938	5,217	U
154	0605898A	Management Headquarters (Research and Development)	6	4,058	9,991	8,995	8,536	U
155	0909999A	Financing for Cancelled Account Adjustments	6	439				U
<b>RDT&amp;E Management Support</b>				<b>928,420</b>	<b>950,090</b>	<b>860,457</b>	<b>872,978</b>	
156	0603778A	MLRS Product Improvement Program	7	101,595	94,623	84,839	110,537	U
157	0102419A	Aerostat Joint Project Office	7	31,114	28,792	57,549	56,420	U
158	0203610A	Domestic Preparedness Against Weapons of Mass Destruction	7	2,511	2,438			U
159	0203726A	Adv Field Artillery Tactical Data System	7	35,716	44,978	28,917	22,551	U
160	0203735A	Combat Vehicle Improvement Programs	7	159,759	82,702	24,486	16,121	U
161	0203740A	Maneuver Control System	7	40,231	42,229	39,581	17,883	U
162	0203744A	Aircraft Modifications/Product Improvement Programs	7	141,751	204,562	187,959	167,274	U
163	0203752A	Aircraft Engine Component Improvement Program	7	14,443	6,767	3,399	3,451	U
164	0203758A	Digitization	7	31,420	32,158	18,251	18,716	U
165	0203759A	Force XXI Battle Command, Brigade and Below (FBCB2)	7	54,927	61,961	48,436	20,224	U
166	0203761A	Force XXI, Warfighting Rapid Acquisition Program	7	39				U
167	0203801A	Missile/Air Defense Product Improvement Program	7	13,302	41,787	44,468	32,025	U

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DEPARTMENT OF THE ARMY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
168	0203802A	Other Missile Product Improvement Programs	7	52,921	12,445	9,822	4,915	U
169	0203806A	TRACTOR RUT	7			8,851	3,342	U
170	0203808A	TRACTOR CARD	7	11,081	8,499	9,255	9,118	U
171	0208010A	Joint Tactical Communications Program (TRI-TAC)	7	25,614	13,506	16,543	18,664	U
172	0208053A	Joint Tactical Ground System	7	5,152	2,812	9,767	35,064	U
173	0301359A	Special Army Program	7	6,811	9,645	5,968	5,500	U
174	0303028A	Security and Intelligence Activities	7	2,420	26,193			U
175	0303140A	Information Systems Security Program	7	12,875	22,163	20,728	24,845	U
176	0303141A	Global Combat Support System	7	79,012	49,360	58,983	65,158	U
177	0303142A	SATCOM Ground Environment (SPACE)	7	43,059	68,915	87,352	64,538	U
178	0303150A	WWMCCS/Global Command and Control System	7	13,131	16,999	20,124	19,206	U
179	0305114A	Traffic Control, Approach and Landing System	7	753	935	956	1,903	U
180	0305204A	Tactical Unmanned Aerial Vehicles	7	35,213	67,435	60,493	66,730	U
181	0305206A	Airborne Reconnaissance Systems	7	10,910	11,438	4,751	5,094	U
182	0305208A	Distributed Common Ground Systems	7	71,836	44,823	32,292	42,377	U
183	0708045A	End Item Industrial Preparedness Activities	7	98,769	74,728	65,981	67,706	U
184	1001018A	NATO Joint STARS	7		503	503	601	U
<b>Operational Systems Development</b>				<b>1,096,365</b>	<b>1,073,396</b>	<b>950,254</b>	<b>899,963</b>	
<b>Total Research, Development, Test &amp; Eval, Army</b>				<b>7,018,252</b>	<b>7,534,849</b>	<b>9,122,825</b>	<b>9,538,691</b>	

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DEPARTMENT OF THE NAVY  
FY 2004/2005 RDT&E PROGRAM

FEB 2003

SUMMARY  
(\$ IN THOUSANDS)

<u>Summary Recap of Budget Activities</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Basic Research	394,837	412,322	456,586	471,811
Applied Research	755,239	805,709	535,943	600,674
Advanced Technology Development	847,495	813,228	721,773	777,579
Advanced Component Development & Prototypes	2,564,903	2,708,224	2,600,045	2,562,562
System Development & Demonstration	3,606,058	5,264,584	6,239,357	7,233,558
RDT&E Management Support	877,808	704,355	651,123	668,033
Operational Systems Development	2,333,049	2,922,095	2,901,826	3,129,893
<b>Total Research, Development, Test &amp; Eval, Navy</b>	<b>11,379,389</b>	<b>13,630,517</b>	<b>14,106,653</b>	<b>15,444,110</b>
<u>Summary Recap of FYDP Programs</u>				
Strategic Forces	81,047	95,004	173,513	224,455
General Purpose Forces	914,810	957,146	901,579	920,856
Intelligence and Communications	861,323	1,402,684	1,600,313	1,856,484
Guard and Reserve Forces	11,360	12,507	4,653	4,393
Research and Development	9,383,374	11,070,863	11,352,861	12,381,112
Central Supply and Maintenance	114,620	92,313	73,734	56,810
Administration and Associated Activities	12,855			
<b>Total Research, Development, Test &amp; Eval, Navy</b>	<b>11,379,389</b>	<b>13,630,517</b>	<b>14,106,653</b>	<b>15,444,110</b>

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DEPARTMENT OF THE NAVY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
1	0601103N	University Research Initiatives	1			70,669	76,843	U
2	0601152N	In-House Laboratory Independent Research	1	16,095	15,992	17,400	17,745	U
3	0601153N	Defense Research Sciences	1	378,742	396,330	368,517	377,223	U
	<b>Basic Research</b>			<b>394,837</b>	<b>412,322</b>	<b>456,586</b>	<b>471,811</b>	
4	0602114N	Power Projection Applied Research	2	86,004	105,324	114,144	107,260	U
5	0602123N	Force Protection Applied Research	2	133,261	118,413	75,909	98,763	U
6	0602131M	Marine Corps Landing Force Technology	2	27,610	29,568	31,778	35,562	U
7	0602232N	Communications, Command and Control, Intell, Surveillance	2		1,368			U
8	0602233N	Human Systems Technology	2	2,498	1,027			U
9	0602234N	Materials, Electronics and Computer Technology	2	18,591	9,780			U
10	0602235N	Common Picture Applied Research	2	122,933	148,222	59,022	70,120	U
11	0602236N	Warfighter Sustainment Applied Research	2	107,343	106,745	52,213	59,157	U
12	0602271N	RF Systems Applied Research	2	58,922	74,208	44,019	51,415	U
13	0602435N	Ocean Warfighting Environment Applied Research	2	60,549	71,027	48,785	63,729	U
14	0602633N	Undersea Warfare Weaponry Technology	2	1,635				U
15	0602747N	Undersea Warfare Applied Research	2	72,511	84,496	62,583	66,353	U
16	0602782N	Mine and Expeditionary Warfare Applied Research	2	54,379	55,531	47,490	48,315	U
17	0602805N	Dual Use Science and Technology Program	2	9,003				U
	<b>Applied Research</b>			<b>755,239</b>	<b>805,709</b>	<b>535,943</b>	<b>600,674</b>	

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DEPARTMENT OF THE NAVY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
18	0603114N	Power Projection Advanced Technology	3	120,080	164,854	173,478	188,028	U
19	0603123N	Force Protection Advanced Technology	3	134,154	86,270	55,780	82,554	U
20	0603235N	Common Picture Advanced Technology	3	51,521	47,262	69,194	73,620	U
21	0603236N	Warfighter Sustainment Advanced Technology	3	72,907	96,320	54,794	56,053	U
22	0603271N	RF Systems Advanced Technology	3	73,781	74,433	45,475	36,571	U
23	0603508N	Surface Ship & Submarine HM&E Advanced Technology	3	2,898				U
24	0603640M	Marine Corps Advanced Technology Demonstration (ATD)	3	64,373	74,970	56,404	58,446	U
25	0603706N	Medical Development	3	56,748				U
26	0603707N	Manpower, Personnel and Training Adv Tech Dev	3	1,921				U
27	0603712N	Environmental Quality and Logistics Advanced Technology	3	1,348	977			U
28	0603727N	Navy Technical Information Presentation System	3	99,996	95,512	151,058	162,105	U
29	0603729N	Warfighter Protection Advanced Technology	3	23,822	39,058	11,435	12,362	U
30	0603747N	Undersea Warfare Advanced Technology	3	51,517	43,641	38,168	45,475	U
31	0603757N	Joint Warfare Experiments	3			13,684	14,292	U
32	0603758N	Navy Warfighting Experiments and Demonstrations	3	46,024	42,501	20,584	17,992	U
33	0603782N	Mine and Expeditionary Warfare Advanced Technology	3	46,405	44,985	31,719	30,081	U
34	0603792N	Advanced Technology Transition	3		2,445			U
	<b>Advanced Technology Development</b>			<b>847,495</b>	<b>813,228</b>	<b>721,773</b>	<b>777,579</b>	

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DEPARTMENT OF THE NAVY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
35	0603207N	Air/Ocean Tactical Applications	4	30,415	33,036	22,832	24,978	U
36	0603216N	Aviation Survivability	4	29,108	20,378	6,809	5,921	U
37	0603237N	Deployable Joint Command and Control	4		31,761	79,449	43,181	U
38	0603254N	ASW Systems Development	4	14,427	25,335	11,149	8,608	U
39	0603261N	Tactical Airborne Reconnaissance	4	1,923	1,877	7,051	6,461	U
40	0603382N	Advanced Combat Systems Technology	4	3,111	3,276	3,394	3,346	U
41	0603502N	Surface and Shallow Water Mine Countermeasures	4	137,208	148,356	140,731	101,076	U
42	0603506N	Surface Ship Torpedo Defense	4	18,054	14,321	48,347	53,730	U
43	0603512N	Carrier Systems Development	4	157,969	111,395	144,965	162,080	U
44	0603513N	Shipboard System Component Development	4	280,795	256,366	20,431	19,251	U
45	0603525N	PILOT FISH	4	96,871	69,969	95,301	78,447	U
46	0603527N	RETRACT LARCH	4	49,002	27,854	74,111	82,812	U
47	0603536N	RETRACT JUNIPER	4			20,526	74,885	U
48	0603542N	Radiological Control	4	1,009	1,055	1,112	959	U
49	0603553N	Surface ASW	4	3,542	3,184	2,506	2,698	U
50	0603559N	SSGN Conversion	4	72,162	89,743	68,988	19,499	U
51	0603561N	Advanced Submarine System Development	4	122,614	129,601	52,744	158,595	U
52	0603562N	Submarine Tactical Warfare Systems	4	9,120	13,075	6,027	6,350	U
53	0603563N	Ship Concept Advanced Design	4	22,437	25,102	7,679	7,545	U
54	0603564N	Ship Preliminary Design & Feasibility Studies	4	12,478	6,840			U
55	0603570N	Advanced Nuclear Power Systems	4	170,706	211,314	201,239	174,239	U

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DEPARTMENT OF THE NAVY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
56	0603573N	Advanced Surface Machinery Systems	4	2,997	2,867	1,468		U
57	0603576N	CHALK EAGLE	4	35,438	20,462	17,463	14,127	U
58	0603581N	Littoral Combat Ship (LCS)	4		33,099	158,071	180,587	U
59	0603582N	Combat System Integration	4	63,904	57,048	86,836	48,439	U
60	0603609N	Conventional Munitions	4	23,484	17,988	42,539	43,461	U
61	0603611M	Marine Corps Assault Vehicles	4	252,634	270,255	240,695	237,819	U
62	0603612M	Marine Corps Mine/Countermeasures Systems - Adv Dev	4		486	1,215	6,032	U
63	0603635M	Marine Corps Ground Combat/Support System	4	33,934	31,059	19,700	20,612	U
64	0603654N	Joint Service Explosive Ordnance Development	4	12,356	12,589	12,385	15,632	U
65	0603658N	Cooperative Engagement	4	107,334	109,606	72,506	76,918	U
66	0603713N	Ocean Engineering Technology Development	4	15,173	14,920	18,180	14,917	U
67	0603721N	Environmental Protection	4	44,944	43,985	30,127	31,815	U
68	0603724N	Navy Energy Program	4	6,678	14,975	1,713	1,880	U
69	0603725N	Facilities Improvement	4	1,670	3,300	1,440	1,567	U
70	0603734N	CHALK CORAL	4	45,280	65,552	61,453	57,836	U
71	0603739N	Navy Logistic Productivity	4	34,100	26,133	7,591	7,957	U
72	0603746N	RETRACT MAPLE	4	159,363	268,883	300,864	240,095	U
73	0603748N	LINK PLUMERIA	4	63,048	81,081	105,363	110,825	U
74	0603751N	RETRACT ELM	4	21,313	21,417	43,755	48,260	U
75	0603755N	Ship Self Defense	4	9,054	5,800	9,733	10,605	U
76	0603764N	LINK EVERGREEN	4	27,101	54,736	95,796	95,899	U
77	0603787N	Special Processes	4	65,285	38,879	53,450	51,837	U

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DEPARTMENT OF THE NAVY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
78	0603790N	NATO Research and Development	4	12,293	8,989	7,941	11,955	U
79	0603795N	Land Attack Technology	4	140,054	124,142	63,434	57,141	U
80	0603851M	Nonlethal Weapons	4	32,524	25,866	43,445	43,492	U
81	0603857N	All Service Combat Identification Evaluation Team (ASCIET)	4	12,994	14,084	16,765	15,218	U
82	0603860N	Joint Precision Approach and Landing Systems	4		11,668	24,304	38,989	U
83	0603879N	Single Integrated Air Picture (SIAP) System Engineer (SE)	4	41,381	71,952	15,053	7,831	U
84	0603889N	Counterdrug RDT&E Projects	4	24,809				U
85	0604272N	Tactical Air Directional Infrared Countermeasures (TADIRCM)	4	4,143				U
86	0604327N	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	4				9,789	U
87	0604707N	Space and Electronic Warfare (SEW) Architecture/Engineering Support	4	38,664	32,565	31,369	26,366	U
		<b>Advanced Component Development &amp; Prototypes</b>		<b>2,564,903</b>	<b>2,708,224</b>	<b>2,600,045</b>	<b>2,562,562</b>	
88	0603662N	Foreign Counter-Intelligence (FCI) - RDT&E	5					
89	0603787N	Special Processes	5					
90	0603831N	Classified Programs	5					
91	0604212N	Other Helo Development	5	79,983	35,383	66,764	193,627	U
92	0604214N	AV-8B Aircraft - Eng Dev	5	34,251	18,154	10,527	12,365	U
93	0604215N	Standards Development	5	71,083	39,443	50,063	55,431	U
94	0604216N	Multi-Mission Helicopter Upgrade Development	5	141,446	92,831	76,998	79,152	U
95	0604217N	S-3 Weapon System Improvement	5	401	413			U

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DEPARTMENT OF THE NAVY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
96	0604218N	Air/Ocean Equipment Engineering	5	6,386	7,555	4,309	4,779	U
97	0604221N	P-3 Modernization Program	5	6,014	2,297	7,306	6,785	U
98	0604230N	Warfare Support System	5			1,466	1,958	U
99	0604231N	Tactical Command System	5	64,068	68,768	68,805	60,460	U
100	0604234N	E-2C Radar Modernization	5	75,661	111,186	352,298	537,837	U
101	0604245N	H-1 Upgrades	5	167,706	236,039	90,589	61,174	U
102	0604261N	Acoustic Search Sensors	5	16,140	13,621	15,831	20,290	U
103	0604262N	V-22A	5	415,819	410,780	441,142	306,982	U
104	0604264N	Air Crew Systems Development	5	15,915	7,524	8,765	8,032	U
105	0604270N	EW Development	5	119,237	79,543	256,701	390,964	U
106	0604273N	VHXX Executive Helo Development	5			197,431	199,577	U
107	0604280N	Joint Tactical Radio System - Navy (JTRS-Navy)	5		19,913	87,943	84,140	U
108	0604300N	SC-21 Total Ship System Engineering	5	235,952	688,170	1,037,987	1,438,998	U
109	0604307N	Surface Combatant Combat System Engineering	5	320,187	340,426	205,733	208,048	U
110	0604311N	LPD-17 Class Systems Integration	5	947	9,909	7,989	8,659	U
111	0604312N	Tri-Service Standoff Attack Missile	5	1,871	14,613	25,137	27,162	U
112	0604329N	Small Diameter Bomb (SDB)	5		1,945			U
113	0604366N	Standard Missile Improvements	5	13,574	20,819	76,927	100,683	U
114	0604373N	Airborne MCM	5	58,363	73,728	88,514	49,954	U
115	0604503N	SSN-688 and Trident Modernization	5	66,764	123,765	80,815	66,797	U
116	0604504N	Air Control	5	13,213	4,841	10,472	7,357	U
117	0604507N	Enhanced Modular Signal Processor	5	972	502	1,006	1,085	U

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FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	FY 2002	Thousands of Dollars			S E C
					FY 2003	FY 2004	FY 2005	
118	0604512N	Shipboard Aviation Systems	5	16,684	26,031	18,352	25,255	U
119	0604518N	Combat Information Center Conversion	5	5,070		21,244	16,489	U
120	0604558N	New Design SSN	5	192,053	240,731	112,355	118,303	U
121	0604561N	SSN-21 Developments	5	5,448	16,353	13,482	3,057	U
122	0604562N	Submarine Tactical Warfare System	5	37,209	25,089	32,238	35,670	U
123	0604567N	Ship Contract Design/ Live Fire T&E	5	122,405	181,098	138,017	140,018	U
124	0604574N	Navy Tactical Computer Resources	5	38,596	15,803	2,267	2,456	U
125	0604601N	Mine Development	5		1,458	1,497	6,247	U
126	0604603N	Unguided Conventional Air-Launched Weapons	5	16,773	13,697	9,701		U
127	0604610N	Lightweight Torpedo Development	5	9,900	14,638	3,442	10,072	U
128	0604618N	Joint Direct Attack Munition	5	49,037	47,780	33,029	66,015	U
129	0604654N	Joint Service Explosive Ordnance Development	5	7,810	7,609	8,136	8,113	U
130	0604703N	Personnel, Training, Simulation, and Human Factors	5	1,257	1,303	1,941	2,183	U
131	0604710N	Navy Energy Program	5	3,030	6,789			U
132	0604721N	Battle Group Passive Horizon Extension System	5	9,310	17,077	16,942	18,078	U
133	0604727N	Joint Standoff Weapon Systems	5	30,282	16,283	775	526	U
134	0604755N	Ship Self Defense (Detect & Control)	5	62,141	60,598	40,930	25,633	U
135	0604756N	Ship Self Defense (Engage: Hard Kill)	5	33,075	29,367	23,076	31,032	U
136	0604757N	Ship Self Defense (Engage: Soft Kill/EW)	5	41,350	43,970	35,508	28,566	U

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DEPARTMENT OF THE NAVY  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
137	0604771N	Medical Development	5	22,585	72,024	9,121	9,351	U
138	0604777N	Navigation/ID System	5	22,317	45,579	45,726	28,788	U
139	0604784N	Distributed Surveillance System	5	42,514	37,591	28,755	64,107	U
140	0604800N	Joint Strike Fighter (JSF)	5	724,911	1,708,900	2,171,736	2,226,004	U
141	0604910N	Smart Card	5	844	695	552	697	U
142	0605013M	Information Technology Development	5	10,219	7,894	8,835	11,722	U
143	0605013N	Information Technology Development	5	63,489	73,314	30,562	25,135	U
144	0605014N	Defense Integrated Military Human Resources System (DIMHRS) - RDT&E	5	44,410	50,115	78,724	49,552	U
145	0605015N	Joint Counter-Intelligence Assessment Group (JCAG) - RDT&E	5	5,918				U
146	0605500N	Multi-mission Maritime Aircraft (MMA)	5	41,741	68,123	76,243	343,800	U
147	0508713N	Navy Standard Integrated Personnel System (NSIPS)	5	11,360	12,507	4,653	4,393	U
		<b>System Development &amp; Demonstration</b>		<b>3,606,058</b>	<b>5,264,584</b>	<b>6,239,357</b>	<b>7,233,558</b>	
148	0604256N	Threat Simulator Development	6	29,811	29,891	28,004	29,185	U
149	0604258N	Target Systems Development	6	48,935	45,618	37,638	39,571	U
150	0604759N	Major T&E Investment	6	40,674	41,473	43,908	45,737	U
151	0605152N	Studies and Analysis Support - Navy	6	7,422	5,930	4,431	4,166	U
152	0605154N	Center for Naval Analyses	6	45,324	42,170	40,726	42,175	U
153	0605155N	Fleet Tactical Development	6	2,746	2,707	2,006	2,348	U
154	0605502N	Small Business Innovative Research	6	180,118				U
155	0605804N	Technical Information Services	6	10,127	18,320	726	799	U
156	0605853N	Management, Technical & International Support	6	28,467	50,698	30,236	29,712	U

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EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
157	0605856N	Strategic Technical Support	6	2,275	2,285	3,883	3,904	U
158	0605861N	RDT&E Science and Technology Management	6	57,486	55,737	64,885	58,533	U
159	0605862N	RDT&E Instrumentation Modernization	6	11,439	13,221	13,554	14,268	U
160	0605863N	RDT&E Ship and Aircraft Support	6	70,956	69,867	78,648	88,912	U
161	0605864N	Test and Evaluation Support	6	274,223	272,417	258,471	260,082	U
162	0605865N	Operational Test and Evaluation Capability	6	11,473	11,555	12,094	13,027	U
163	0605866N	Navy Space and Electronic Warfare (SEW) Support	6	7,200	3,154	3,187	3,279	U
164	0605867N	SEW Surveillance/Reconnaissance Support	6	16,254	11,836	12,091	12,569	U
165	0605873M	Marine Corps Program Wide Support	6	20,023	27,476	16,635	19,766	U
166	0909999N	Financing for Cancelled Account Adjustments	6	12,855				U
		<b>RDT&amp;E Management Support</b>		<b>877,808</b>	<b>704,355</b>	<b>651,123</b>	<b>668,033</b>	
167	0603660N	Advanced Development Projects	7					
168	0603661N	Retract Violet	7					
169	0101221N	Strategic Sub & Weapons System Support	7	43,051	39,307	104,793	139,650	U
170	0101224N	SSBN Security Technology Program	7	32,496	33,730	38,408	43,534	U
171	0101226N	Submarine Acoustic Warfare Development	7	944	1,065	2,955	8,580	U
172	0101402N	Navy Strategic Communications	7	4,556	20,902	27,357	32,691	U
173	0203761N	Rapid Technology Transition (RTT)	7			14,662	14,683	U
174	0204136N	F/A-18 Squadrons	7	252,854	210,489	179,047	123,041	U
175	0204152N	E-2 Squadrons	7	36,264	18,553	9,083	6,229	U

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EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
176	0204163N	Fleet Telecommunications (Tactical)	7	22,544	12,216	16,484	20,996	U
177	0204229N	Tomahawk and Tomahawk Mission Planning Center (TMPC)	7	72,585	97,448	71,385	36,143	U
178	0204311N	Integrated Surveillance System	7	37,711	25,365	14,278	17,028	U
179	0204413N	Amphibious Tactical Support Units	7	25,648	6,185	5,652	161	U
180	0204571N	Consolidated Training Systems Development	7	26,048	26,439	21,719	20,184	U
181	0204574N	Cryptologic Direct Support	7			1,466	1,468	U
182	0204575N	Electronic Warfare (EW) Readiness Support	7	7,396	26,086	11,927	12,365	U
183	0205601N	HARM Improvement	7	31,016	60,263	49,381	132,290	U
184	0205604N	Tactical Data Links	7	37,906	41,614	44,526	19,089	U
185	0205620N	Surface ASW Combat System Integration	7	27,789	35,106	12,179	11,187	U
186	0205632N	MK-48 ADCAP	7	19,320	21,499	17,227	24,234	U
187	0205633N	Aviation Improvements	7	49,976	39,928	60,073	54,431	U
188	0205658N	Navy Science Assistance Program	7	20,141	15,318	7,236	3,849	U
189	0205667N	F-14 Upgrade	7	1,467				U
190	0205675N	Operational Nuclear Power Systems	7	54,445	55,430	62,751	63,432	U
191	0206313M	Marine Corps Communications Systems	7	114,659	196,004	235,722	267,268	U
192	0206623M	Marine Corps Ground Combat/ Supporting Arms Systems	7	41,775	38,850	35,439	70,564	U
193	0206624M	Marine Corps Combat Services Support	7	7,718	20,516	19,723	10,132	U
194	0207161N	Tactical AIM Missiles	7	17,856	1,909	2,322	4,110	U

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EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
195	0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	9,692	7,928	9,297	7,972	U
196	0301303N	Maritime Intelligence	7					
197	0301323N	Collection Management	7					
198	0301327N	Technical Reconnaissance and Surveillance	7					
199	0303109N	Satellite Communications (SPACE)	7	54,743	112,970	379,541	504,753	U
200	0303140N	Information Systems Security Program	7	26,447	23,665	18,404	19,190	U
201	0304111N	Special Activities	7					
202	0305149N	COBRA JUDY	7		51,061	69,369	81,000	U
203	0305160N	Navy Meteorological and Ocean Sensors-Space (METOC)	7	20,893	22,251	4,966	4,471	U
204	0305188N	Joint C4ISR Battle Center (JBC)	7	13,075	24,169	50,413	51,735	U
205	0305192N	Joint Military Intelligence Programs	7	6,939	7,038	5,314	4,762	U
206	0305204N	Tactical Unmanned Aerial Vehicles	7	73,152	254,796	56,521	10,605	U
207	0305205N	Endurance Unmanned Aerial Vehicles	7			101,448	281,743	U
208	0305206N	Airborne Reconnaissance Systems	7	17,272	16,171	13,345	10,313	U
209	0305207N	Manned Reconnaissance Systems	7	36,912	22,510	13,717	11,809	U
210	0305208N	Distributed Common Ground Systems	7	7,093	8,518	4,421	3,647	U
211	0305927N	Naval Space Surveillance	7	2,906	9,311			U
212	0308601N	Modeling and Simulation Support	7	14,145	9,612	7,044	8,248	U
213	0702207N	Depot Maintenance (Non-IF)	7	15,938	6,947	9,073		U
214	0708011N	Industrial Preparedness	7	70,326	73,320	54,593	56,810	U

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EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars			FY 2005	S E C
				FY 2002	FY 2003	FY 2004		
215	0708730N	Maritime Technology (MARITECH)	7	28,356	12,046	10,068		U
		Operational Systems Development		2,333,049	2,922,095	2,901,826	3,129,893	
		Total Research, Development, Test & Eval, Navy		11,379,389	13,630,517	14,106,653	15,444,110	

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FY 2004/2005 RDT&E PROGRAM

FEB 2003

SUMMARY  
(\$ IN THOUSANDS)

<u>Summary Recap of Budget Activities</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Basic Research	221,683	217,863	322,041	346,720
Applied Research	749,483	829,153	757,960	793,181
Advanced Technology Development	545,908	703,765	1,146,130	998,665
Advanced Component Development & Prototypes	910,281	1,468,399	2,176,984	2,727,976
System Development & Demonstration	3,506,284	4,506,643	4,577,185	4,273,365
RDT&E Management Support	893,137	636,801	630,365	745,199
Operational Systems Development	7,652,446	10,198,068	10,725,593	11,827,627
<b>Total Research, Development, Test &amp; Eval, AF</b>	<b>14,479,222</b>	<b>18,560,692</b>	<b>20,336,258</b>	<b>21,712,733</b>

Summary Recap of FYDP Programs

Strategic Forces	83,065	119,243	102,238	64,025
General Purpose Forces	1,636,545	2,378,375	2,799,821	3,569,163
Intelligence and Communications	5,423,956	6,960,452	7,059,208	7,298,438
Mobility Forces	544,771	673,152	781,065	1,008,595
Research and Development	6,620,555	8,268,575	9,430,545	9,551,622
Central Supply and Maintenance	119,666	110,741	94,836	91,916
Training Medical and Other		310	3,258	3,271
Administration and Associated Activities	47,090	46,072	61,420	121,748
Support of Other Nations	3,574	3,772	3,867	3,955
<b>Total Research, Development, Test &amp; Eval, AF</b>	<b>14,479,222</b>	<b>18,560,692</b>	<b>20,336,258</b>	<b>21,712,733</b>

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FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
1	0601102F	Defense Research Sciences	1	221,683	217,863	204,754	218,188	U
2	0601103F	University Research Initiatives	1			105,224	116,169	U
3	0601108F	High Energy Laser Research Initiatives	1			12,063	12,363	U
		<b>Basic Research</b>		<b>221,683</b>	<b>217,863</b>	<b>322,041</b>	<b>346,720</b>	
4	0602102F	Materials	2	96,064	106,955	68,657	68,283	U
5	0602201F	Aerospace Vehicle Technologies	2	97,543	76,347	65,662	77,571	U
6	0602202F	Human Effectiveness Applied Research	2	67,740	76,707	66,795	68,693	U
7	0602203F	Aerospace Propulsion	2	174,292	132,285	101,575	88,859	U
8	0602204F	Aerospace Sensors	2	79,389	76,743	75,577	84,110	U
9	0602500F	Multi-disciplinary Space Technology	2		98,929	90,526	91,185	U
10	0602601F	Space Technology	2	79,330	76,239	83,240	90,810	U
11	0602602F	Conventional Munitions	2	48,051	58,802	46,455	50,351	U
12	0602605F	Directed Energy Technology	2	33,557	37,547	35,359	36,239	U
13	0602702F	Command Control and Communications	2	63,572	78,204	71,674	82,764	U
14	0602805F	Dual Use Science and Technology Program	2	9,945	10,395	10,586	8,864	U
15	0602890F	High Energy Laser Research	2			41,854	45,452	U
		<b>Applied Research</b>		<b>749,483</b>	<b>829,153</b>	<b>757,960</b>	<b>793,181</b>	
16	0603112F	Advanced Materials for Weapon Systems	3	42,338	41,159	33,079	34,374	U
17	0603203F	Advanced Aerospace Sensors	3	57,625	52,482	36,550	30,714	U
18	0603205F	Flight Vehicle Technology	3	4,418	3,463			U
19	0603211F	Aerospace Technology Dev/Demo	3	22,214	29,002	73,416	31,427	U

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EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	FY 2002	Thousands of Dollars			S E C
					FY 2003	FY 2004	FY 2005	
20	0603216F	Aerospace Propulsion and Power Technology	3	112,738	88,236	114,726	62,578	U
21	0603231F	Crew Systems and Personnel Protection Technology	3	32,115	39,235	34,487	32,881	U
22	0603270F	Electronic Combat Technology	3	30,582	23,828	28,496	28,356	U
23	0603311F	Ballistic Missile Technology	3	1,146	13,159			U
24	0603333F	Unmanned Air Vehicle Dev/Demo	3	18,903	17,608			U
25	0603401F	Advanced Spacecraft Technology	3	57,450	54,884	72,114	60,282	U
26	0603436F	Transformational Wideband MILSATCOM	3	9,972				U
27	0603444F	Maui Space Surveillance System (MSSS)	3	25,958	47,888	6,323	6,323	U
28	0603500F	Multi-disciplinary Advanced Development Space Technology	3		54,161	62,610	55,814	U
29	0603601F	Conventional Weapons Technology	3	37,190	43,605	30,516	22,456	U
30	0603605F	Advanced Weapons Technology	3	60,729	53,381	27,024	30,229	U
31	0603723F	Environmental Engineering Technology	3		1,187			U
32	0603755F	High Performance Computing Modernization Program	3			185,282	186,911	U
33	0603789F	C3I Advanced Development	3	32,530	45,030	31,538	28,599	U
34	0603801F	Special Programs	3		95,457	369,483	349,510	U
35	0603850F	Integrated Broadcast Service	3			8,537	8,558	U
36	0603924F	High Energy Laser Advanced Technology Program	3			10,910	8,569	U
37	0207423F	Advanced Communications Systems	3			12,053	12,083	U
38	0401840F	AMC Command and Control System	3			6,046	6,054	U

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EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
39	0804757F	Joint National Training Center	3			2,940	2,947	U
		<b>Advanced Technology Development</b>		<b>545,908</b>	<b>703,765</b>	<b>1,146,130</b>	<b>998,665</b>	
40	0603260F	Intelligence Advanced Development	4	5,117	4,422	4,513	4,624	U
41	0603287F	Physical Security Equipment	4			24,483	22,699	U
42	0603421F	NAVSTAR Global Positioning System III	4	62,970	55,580		40,674	U
43	0603430F	Advanced EHF MILSATCOM (SPACE)	4	459,631	822,477	778,078	573,652	U
44	0603432F	Polar MILSATCOM (SPACE)	4	21,380	19,347	5,580	963	U
45	0603434F	National Polar-orbiting Operational Environmental Satellite Sys (SPACE)	4	145,635	232,082	267,716	297,668	U
46	0603438F	Space Control Technology	4	28,967	13,609	14,714	15,786	U
47	0603742F	Combat Identification Technology	4	12,849	12,135	16,575	19,633	U
48	0603790F	NATO Research and Development	4	5,230	4,237	3,888	3,940	U
49	0603791F	International Space Cooperative R&D	4		636	545	553	U
50	0603845F	Advanced Wideband System (AWS)	4		117,953	439,277	877,504	U
51	0603850F	Integrated Broadcast Service	4	16,639	38,390	16,466	23,990	U
52	0603851F	Intercontinental Ballistic Missile	4	44,409	62,087	67,632	91,992	U
53	0603854F	Wideband Gapfiller System RDT&E (Space)	4	96,398	13,801	36,686	73,691	U
54	0603856F	Air Force/National Program Cooperation (AFNPC)	4	2,252	2,491			U
55	0603858F	Space-Based Radar	4		47,149	274,104	358,669	U
56	0603859F	Pollution Prevention	4		3,678	2,318	2,799	U
57	0603860F	Joint Precision Approach and Landing Systems	4	8,804	10,987	13,847	18,798	U

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EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
58	0604327F	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	4		7,338	12,633		U
59	0604731F	Unmanned Combat Air Vehicle (UCAV)	4			161,269	243,219	U
60	0604855F	Operationally Responsive Launch	4			24,440	35,455	U
61	0604856F	Common Aero Vehicle (CAV)	4			12,220	21,667	U
<b>Advanced Component Development &amp; Prototypes</b>				<b>910,281</b>	<b>1,468,399</b>	<b>2,176,984</b>	<b>2,727,976</b>	
62	0603840F	Global Broadcast Service (GBS)	5	34,035	22,253	38,147	33,490	U
63	0604012F	Joint Helmet Mounted Cueing System (JHMCS)	5	5,530	1,839	843	2,875	U
64	0604222F	Nuclear Weapons Support	5	12,392	13,091	13,396	13,627	U
65	0604226F	B-1B	5	95,932	157,173	88,703	76,918	U
66	0604233F	Specialized Undergraduate Flight Training	5	4,682	1,867	3,267	3,368	U
67	0604239F	F-22	5	877,273	839,635	620,740	210,000	U
68	0604240F	B-2 Advanced Technology Bomber	5	163,452	259,722	152,084	236,609	U
69	0604251F	Space-Based Radar	5	23,137				U
70	0604270F	EW Development	5	43,838	67,226	74,034	42,554	U
71	0604280F	Joint Tactical Radio	5		16,974	48,814	51,951	U
72	0604287F	Physical Security Equipment	5			7,261	9,770	U
73	0604329F	Small Diameter Bomb (SDB)	5	38,753	53,118	126,447	67,685	U
74	0604421F	Counterspace Systems	5		39,458	82,565	76,061	U
75	0604435F	Interim Polar	5			13,740	82,345	U
76	0604441F	Space Based Infrared System (SBIRS) High EMD	5	524,459	775,395	617,229	508,919	U
77	0604479F	Milstar LDR/MDR Satellite Communications (SPACE)	5	226,391	147,787	1,383	1,384	U

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EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
78	0604600F	Munitions Dispenser Development	5		3,463	15,849	24,621	U
79	0604602F	Armament/Ordnance Development	5	6,753	8,939	8,419	8,374	U
80	0604604F	Submunitions	5	4,506	4,588	4,717	4,837	U
81	0604617F	Agile Combat Support	5	16,182	7,965	5,574	7,080	U
82	0604618F	Joint Direct Attack Munition	5	26,279	16,244	34,061		U
83	0604706F	Life Support Systems	5	8,899	7,732	269	262	U
84	0604731F	Unmanned Combat Air Vehicle (UCAV)	5		39,127	14,675	180,228	U
85	0604735F	Combat Training Ranges	5	23,393	15,713	20,383	20,555	U
86	0604740F	Integrated Command & Control Applications (IC2A)	5	6,553	13,059	239	1,244	U
87	0604750F	Intelligence Equipment	5	1,735	1,290	1,320	1,353	U
88	0604754F	Tactical Data Link Infrastructure	5	18,138		14,675	24,720	U
89	0604762F	Common Low Observables Verification System (CLOVerS)	5	5,732	4,730	7,000		U
90	0604779F	Tactical Data Link Interoperability	5	5,301				U
91	0604800F	Joint Strike Fighter (JSF)	5	720,058	1,697,810	2,194,087	2,242,485	U
92	0604851F	Intercontinental Ballistic Missile	5	85,329	121,611	184,193	91,928	U
93	0604853F	Evolved Expendable Launch Vehicle Program (SPACE)	5	321,777	56,954	8,000	15,000	U
94	0605011F	RDT&E for Aging Aircraft	5	39,245	32,894	24,063	15,806	U
95	0207249F	Precision Attack Systems Procurement	5	3,462				U
96	0207256F	Unmanned Combat Air Vehicle Joint Program Office	5			4,892	4,924	U
97	0207434F	Link-16 Support and Sustainment	5		50,073	58,783	190,001	U
98	0207701F	Full Combat Mission Training	5	3,605	3,650	6,946	5,909	U

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DEPARTMENT OF THE AIR FORCE  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
99	0305176F	Combat Survivor Evader Locator	5	13,815	14,062	14,684		U
100	0401318F	CV-22	5	145,648	11,201	65,703	16,482	U
		<b>System Development &amp; Demonstration</b>		<b>3,506,284</b>	<b>4,506,643</b>	<b>4,577,185</b>	<b>4,273,365</b>	
101	0604256F	Threat Simulator Development	6	34,808	29,694	36,595	36,507	U
102	0604759F	Major T&E Investment	6	59,080	59,971	50,215	59,606	U
103	0605101F	RAND Project Air Force	6	28,957	25,192	24,586	25,035	U
104	0605306F	Ranch Hand II Epidemiology Study	6	11,258	10,703	4,692	4,834	U
105	0605502F	Small Business Innovation Research	6	225,636				U
106	0605712F	Initial Operational Test & Evaluation	6	32,550	26,483	34,646	26,896	U
107	0605807F	Test and Evaluation Support	6	388,388	381,170	336,720	350,597	U
108	0605860F	Rocket Systems Launch Program (SPACE)	6	26,011	30,576	9,673	11,905	U
109	0605864F	Space Test Program (STP)	6	46,758	49,141	42,909	44,638	U
110	0605976F	Facilities Restoration and Modernization - Test and Evaluation Support	6			33,940	59,091	U
111	0605978F	Facilities Sustainment - Test and Evaluation Support	6			15,770	23,127	U
112	0804731F	General Skill Training	6		310	318	324	U
113	0909900F	Financing for Expired Account Adjustments	6	12,480				U
114	0909980F	Judgment Fund Reimbursement	6	23,637	19,789	36,434	98,684	U
115	1001004F	International Activities	6	3,574	3,772	3,867	3,955	U
		<b>RDT&amp;E Management Support</b>		<b>893,137</b>	<b>636,801</b>	<b>630,365</b>	<b>745,199</b>	
116	0604240F	B-2 Advanced Technology Bomber	7			24,691		U

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DEPARTMENT OF THE AIR FORCE  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
117	0605024F	Anti-Tamper Technology Executive Agency	7		8,808	7,855	7,879	U
118	0101113F	B-52 Squadrons	7	65,025	54,712	28,649	16,633	U
119	0101120F	Advanced Cruise Missile	7	2,302	2,727	13,364	7,760	U
120	0101122F	Air-Launched Cruise Missile (ALCM)	7	9,973	20,070	29,804	11,868	U
121	0101313F	Strat War Planning System - USSTRATCOM	7		1,842	1,748	1,652	U
122	0101815F	Advanced Strategic Programs	7		5,817	6,100	6,415	U
123	0102326F	Region/Sector Operation Control Center Modernization Program	7	5,765	34,075	22,573	19,697	U
124	0203761F	Warfighter Rapid Acquisition Process (WRAP) Rapid Transition Fund	7	28,882	24,372			U
125	0207028F	Joint Expeditionary Force Experiment	7	47,732	26,558	51,367	40,155	U
126	0207131F	A-10 Squadrons	7	9,297	7,503	29,729	22,649	U
127	0207133F	F-16 Squadrons	7	107,035	81,639	87,478	99,867	U
128	0207134F	F-15E Squadrons	7	100,003	60,363	112,085	115,547	U
129	0207136F	Manned Destructive Suppression	7	20,630	22,910	20,633	10,320	U
130	0207138F	F-22 Squadrons	7		66,323	315,784	375,428	U
131	0207141F	F-117A Squadrons	7	2,139	3,417	14,752	31,539	U
132	0207161F	Tactical AIM Missiles	7	6,946	2,912	375	5,573	U
133	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	53,529	35,537	32,429	33,353	U
134	0207224F	Combat Rescue and Recovery	7				13,377	U
135	0207247F	AF TENCAP	7	11,856	15,066	10,479	10,701	U
136	0207248F	Special Evaluation Program	7	98,285	127,813	164,239	112,161	U

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DEPARTMENT OF THE AIR FORCE  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	FY 2002	Thousands of Dollars			S E C
					FY 2003	FY 2004	FY 2005	
137	0207253F	Compass Call	7	3,647	9,239	3,790		U
138	0207268F	Aircraft Engine Component Improvement Program	7	163,498	182,755	180,112	168,771	U
139	0207277F	CSAF Innovation Program	7	1,871	1,879	1,880	1,884	U
140	0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	7	82,793	51,047	31,216	45,897	U
141	0207410F	Aerospace Operations Center (AOC)	7	19,489	71,459	27,887	36,217	U
142	0207412F	Control and Reporting Center (CRC)	7	6,625	6,472	16,083	24,664	U
143	0207417F	Airborne Warning and Control System (AWACS)	7	36,732	169,649	270,397	289,544	U
144	0207423F	Advanced Communications Systems	7	9,596	28,485	12,312	4,490	U
145	0207424F	Evaluation and Analysis Program	7	188,567	228,409			U
146	0207433F	Advanced Program Technology	7	104,705	102,683	263,392	202,467	U
147	0207438F	Theater Battle Management (TBM) C4I	7	37,848	33,828	31,647	31,303	U
148	0207445F	Fighter Tactical Data Link	7		38,168	42,877	67,617	U
149	0207446F	Bomber Tactical Data Link	7			12,959	120,571	U
150	0207448F	C2ISR Tactical Data Link	7			26,927	26,713	U
151	0207449F	MC2C (Multi-sensor Command and Control Constellation)	7		333,864	363,630	550,860	U
152	0207581F	Joint Surveillance and Target Attack Radar System (Joint STARS)	7	147,682	60,317	58,431	89,481	U
153	0207590F	Seek Eagle	7	16,521	16,792	19,587	23,220	U
154	0207591F	Advanced Program Evaluation	7	84,072	232,597	425,486	628,634	U
155	0207601F	USAF Modeling and Simulation	7	26,889	22,396	8,483	8,577	U
156	0207605F	Wargaming and Simulation Centers	7	7,582	8,323	6,262	8,358	U
157	0208006F	Mission Planning Systems	7	17,300	16,540	62,348	144,059	U

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DEPARTMENT OF THE AIR FORCE  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	FY 2002	Thousands of Dollars			S E C
					FY 2003	FY 2004	FY 2005	
158	0208021F	Information Warfare Support	7	1,667	7,625	12,091	12,249	U
159	0208160F	Technical Evaluation System	7	146,464	186,980			U
160	0208161F	Special Evaluation System	7	39,596	40,732			U
161	0301310F	National Air Intelligence Center	7					
162	0301314F	COBRA BALL	7					
163	0301315F	Missile and Space Technical Collection	7					
164	0301324F	FOREST GREEN	7					
165	0301398F	Management Headquarters GDIP	7					
166	0302015F	E-4B National Airborne Operations Center (NAOC)	7	18,596	46,688	44,377	53,164	U
167	0303110F	Defense Satellite Communications System (SPACE)	7	3,006	2,016			U
168	0303112F	Air Force Communications (AIRCOM)	7	29,481				U
169	0303131F	Minimum Essential Emergency Communications Network (MEECN)	7	5,536	2,396	10,716	37,620	U
170	0303140F	Information Systems Security Program	7	21,675	24,325	37,667	87,831	U
171	0303141F	Global Combat Support System	7	56,666	25,464	17,473	17,848	U
172	0303150F	Global Command and Control System	7	5,576	3,492	3,547	3,620	U
173	0303401F	Communications Security (COMSEC)	7	3,726	4,661			U
174	0303601F	MILSATCOM Terminals	7	38,751	71,293	173,831	241,906	U
175	0304111F	Special Activities	7					
176	0304311F	Selected Activities	7	58,631	147,665	107,800	108,233	U
177	0305099F	Global Air Traffic Management (GATM)	7	8,843	7,041	7,164	7,310	U
178	0305110F	Satellite Control Network (SPACE)	7	47,378	16,779	18,603	17,880	U

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DEPARTMENT OF THE AIR FORCE  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
179	0305111F	Weather Service	7	10,558	14,095	16,317	16,569	U
180	0305114F	Air Traffic Control, Approach, and Landing System (ATCALs)	7	25,075	9,614	10,622	5,886	U
181	0305128F	Security and Investigative Activities	7	439	469	474	485	U
182	0305142F	Applied Technology and Integration	7					
183	0305144F	Titan Space Launch Vehicles (SPACE)	7	16,947				U
184	0305148F	Air Force Tactical Measurement and Signature Intelligence (MASINT) Systems/Pro	7		15,259	7,510	15,826	U
185	0305159F	Defense Reconnaissance Support Activities (SPACE)	7	44,800	41,631	232,287	234,919	U
186	0305160F	Defense Meteorological Satellite Program (SPACE)	7	12,838	3,816	918		U
187	0305164F	NAVSTAR Global Positioning System (User Equipment) (SPACE)	7	47,822	85,241	100,589	104,387	U
188	0305165F	NAVSTAR Global Positioning System (Space and Control Segments)	7	183,569	285,415	146,468	129,933	U
189	0305172F	Combined Advanced Applications	7					
190	0305174F	Space Warfare Center	7			404	412	U
191	0305182F	Spacelift Range System (SPACE)	7	65,608	85,538	63,210	50,777	U
192	0305202F	Dragon U-2 (JMIP)	7	30,348	23,586	52,518	59,975	U
193	0305205F	Endurance Unmanned Aerial Vehicles	7	210,270	346,713	398,631	340,202	U
194	0305206F	Airborne Reconnaissance Systems	7	60,513	60,381	77,823	66,609	U
195	0305207F	Manned Reconnaissance Systems	7	7,015	7,915	14,726	13,318	U
196	0305208F	Distributed Common Ground Systems	7	19,903	30,674	27,107	26,198	U
197	0305906F	NCCM - TW/AA System	7	15,276	15,214	57,933	64,992	U

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DEPARTMENT OF THE AIR FORCE  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
198	0305910F	SPACETRACK (SPACE)	7	21,935	21,507	118,234	162,262	U
199	0305911F	Defense Support Program (SPACE)	7	5,890	2,024			U
200	0305913F	NUDET Detection System (SPACE)	7	21,420	20,865	35,834	35,491	U
201	0305917F	Space Architect	7			12,589	12,941	U
202	0308601F	Modeling and Simulation Support	7		1,953			U
203	0308699F	Shared Early Warning (SEW)	7	3,421	3,942	3,254	3,354	U
204	0401115F	C-130 Airlift Squadron	7	50,523	155,102	105,381	150,636	U
205	0401119F	C-5 Airlift Squadrons	7	157,542	284,730	356,570	455,232	U
206	0401130F	C-17 Aircraft	7	106,005	153,797	184,089	200,215	U
207	0401132F	C-130J Program	7		9,784	13,551	37,818	U
208	0401134F	Large Aircraft IR Countermeasures (LAIRCM)	7	58,676	46,795	45,946	73,877	U
209	0401218F	KC-135s	7	5,067	1,465	1,473	1,082	U
210	0401219F	KC-10s	7	21,310	10,278	2,306		U
211	0401839F	Air Mobility Tactical Data Link	7				67,199	U
212	0702207F	Depot Maintenance (Non-IF)	7	2,595	2,296	1,406	1,435	U
213	0708011F	Industrial Preparedness	7	55,694	44,381	39,396	40,112	U
214	0708012F	Logistics Support Activities	7		10,095			U
215	0708026F	Productivity, Reliability, Availability, Maintain. Prog Ofc (PRAMPO)	7	27,124	9,512			U
216	0708611F	Support Systems Development	7	31,977	42,408	54,034	50,369	U
217	0708612F	Computer Resources Support Improvement Program (CRSIP)	7	2,276	2,049			U
218	0901212F	Service-Wide Support (Not Otherwise Accounted For)	7		3,980	4,392		U

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DEPARTMENT OF THE AIR FORCE  
 FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
219	0901218F	Civilian Compensation Program	7	10,973	7,057	7,130	7,291	U
220	0901538F	Financial Management Information Systems Development	7		15,246	13,464	15,773	U
		<b>Operational Systems Development</b>		7,652,446	10,198,068	10,725,593	11,827,627	
		<b>Total Research, Development, Test &amp; Eval, AF</b>		14,479,222	18,560,692	20,336,258	21,712,733	

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 FY 2004/2005 RDT&E PROGRAM

FEB 2003

SUMMARY  
 (\$ IN THOUSANDS)

<u>Summary Recap of Budget Activities</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Basic Research	512,039	542,495	186,860	180,291
Applied Research	1,723,689	1,796,009	1,734,825	1,865,597
Advanced Technology Development	2,122,130	2,500,943	2,566,243	2,658,261
Advanced Component Development & Prototypes	5,790,735	5,721,213	7,635,658	8,526,051
System Development & Demonstration	1,422,574	1,453,218	358,383	213,202
RDT&E Management Support	725,116	585,531	612,038	628,351
Operational Systems Development	3,221,225	4,461,980	4,880,250	6,034,990
<b>Total Research, Development, Test &amp; Eval, DW</b>	<b>15,517,508</b>	<b>17,061,389</b>	<b>17,974,257</b>	<b>20,106,743</b>
<u>Summary Recap of FYDP Programs</u>				
General Purpose Forces	50,845	52,410	51,138	50,570
Intelligence and Communications	2,772,870	3,921,004	4,439,157	4,432,258
Research and Development	12,219,270	12,504,211	12,855,997	15,008,593
Central Supply and Maintenance	40,830	48,910	51,944	22,527
Administration and Associated Activities	54,177	45,210	135,470	135,735
Support of Other Nations			24,721	73,550
Special Operations Forces	379,516	489,644	415,830	383,510
<b>Total Research, Development, Test &amp; Eval, DW</b>	<b>15,517,508</b>	<b>17,061,389</b>	<b>17,974,257</b>	<b>20,106,743</b>

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 FY 2004/2005 RDT&E PROGRAM

SUMMARY  
 (\$ IN THOUSANDS)

FEB 2003

<u>Summary Recap of Defensewide</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Special Operations Command	383,916	512,461	440,417	408,021
Defense Contract Management Agency	13,959	11,574	15,734	14,910
Chemical and Biological Defense Program	594,626	634,030	598,953	448,597
National Imagery and Mapping Agency				
Defense Threat Reduction Agency	615,004	405,847	382,169	462,677
Counter Intelligence Field Activity				
Missile Defense Agency	6,909,938	6,718,553	7,728,864	8,679,038
Office of Secretary Of Defense	1,703,500	2,198,387	1,550,725	2,646,915
Defense Adv Research Projects Agcy	2,260,086	2,689,890	2,953,567	3,085,904
National Security Agency				
The Joint Staff	62,979	99,305	119,115	115,342
Defense Information Systems Agency	215,649	261,175	329,271	333,136
Defense Intelligence Agency				
Defense Contract Audit Agency	543	537	550	550
Defense Logistics Agency	141,259	183,218	81,872	53,693
DoD Human Resources Activity	12,664	22,888	22,615	22,541
Defense Security Cooperation Agency	1,895	2,738	1,934	2,012
Defense Security Service	654	470		
<b>Total Research, Development, Test &amp; Eval, DW</b>	<b>15,517,508</b>	<b>17,061,389</b>	<b>17,974,257</b>	<b>20,106,743</b>

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 FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				SEC
				FY 2002	FY 2003	FY 2004	FY 2005	
1	0601101D8Z	In-House Laboratory Independent Research	1	2,081	2,047			U
2	0601101E	Defense Research Sciences	1	141,900	199,030	151,029	143,522	U
3	0601103D8Z	University Research Initiatives	1	248,997	234,778			U
4	0601105D8Z	Force Health Protection	1	36,442	14,787			U
5	0601108D8Z	High Energy Laser Research Initiatives	1	11,785	11,666			U
6	0601111D8Z	Government/Industry Cosponsorship of University Research	1	9,195	8,903			U
7	0601114D8Z	Defense Experimental Program to Stimulate Competitive Research	1	16,824	16,455			U
8	0601384BP	Chemical and Biological Defense Program	1	44,815	54,829	35,831	36,769	U
	<b>Basic Research</b>			----- 512,039	----- 542,495	----- 186,860	----- 180,291	
9	0602227D8Z	Medical Free Electron Laser	2	19,660	11,897	9,494	9,694	U
10	0602228D8Z	Historically Black Colleges and Universities (HBCU) Science	2	23,784	25,980			U
11	0602234D8Z	Lincoln Laboratory Research Program	2	21,969	26,769	27,231	26,514	U
12	0602301E	Computing Systems and Communications Technology	2	349,666	409,256	404,859	479,119	U
13	0602302E	Embedded Software and Pervasive Computing	2	56,190	58,599	13,318		U
14	0602383E	Biological Warfare Defense	2	171,878	161,956	137,254	138,533	U
15	0602384BP	Chemical and Biological Defense Program	2	142,988	173,362	106,451	104,385	U
16	0602702E	Tactical Technology	2	163,827	169,641	250,558	256,175	U
17	0602712E	Materials and Electronics Technology	2	340,446	434,426	465,544	461,043	U

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 FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				SEC
				FY 2002	FY 2003	FY 2004	FY 2005	
18	0602715BR	Nuclear Sustainment & Counterproliferation Technologies	2	389,079				U
19	0602716BR	WMD Defeat Technology	2		162,272	183,178	247,911	U
20	0602717BR	Strategic Defense Technologies	2		117,950	116,049	116,803	U
21	0602787D8Z	Medical Technology	2	8,971		9,213	10,111	U
22	0602890D8Z	High Energy Laser Research	2	35,231	43,901			U
23	1160401BB	Special Operations Technology Development	2			9,715	13,142	U
24	1160407BB	SOF Medical Technology Development	2			1,961	2,167	U
	<b>Applied Research</b>			<b>1,723,689</b>	<b>1,796,009</b>	<b>1,734,825</b>	<b>1,865,597</b>	
25	0603002D8Z	Medical Advanced Technology	3	2,066		5,028	2,065	U
26	0603104D8Z	Explosives Demilitarization Technology	3	16,925	18,205			U
27	0603121D8Z	SO/LIC Advanced Development	3	14,509	18,608	31,300	32,723	U
28	0603122D8Z	Combating Terrorism Technology Support	3	56,011	111,377	60,526	46,778	U
29	0603160BR	Counterproliferation Advanced Development Technologies	3	162,565	80,377	76,277	81,826	U
30	0603175C	Ballistic Missile Defense Technology	3	145,021	151,130	240,820	205,791	U
31	0603225D8Z	Joint DoD-DoE Munitions Technology Development	3	18,982	18,623	25,011	25,351	U
32	0603232D8Z	Automatic Target Recognition	3	7,638	5,367			U
33	0603285E	Advanced Aerospace Systems	3	131,954	235,300	323,730	340,567	U
34	0603384BP	Chemical and Biological Defense Program - Advanced Development	3	81,777	107,763	103,725	98,843	U
35	0603704D8Z	Special Technical Support	3	12,107	12,893	11,693	12,303	U
36	0603711BR	Arms Control Technology	3	60,192	43,433	4,807	14,200	U

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EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
37	0603712S	Generic Logistics R&D Technology Demonstrations	3	88,803	129,291	22,359	23,542	U
38	0603716D8Z	Strategic Environmental Research Program	3	62,165	52,534	47,068	60,012	U
39	0603727D8Z	Joint Warfighting Program	3	7,536	9,296	9,685	9,948	U
40	0603728D8Z	Agile Port Demonstration	3	8,500				U
41	0603739E	Advanced Electronics Technologies	3	192,895	158,987	174,150	172,151	U
42	0603750D8Z	Advanced Concept Technology Demonstrations	3	157,762	200,881	213,361	214,183	U
43	0603752D8Z	Commercial Technology Insertion Program	3				32,945	U
44	0603755D8Z	High Performance Computing Modernization Program	3	188,554	202,933			U
45	0603760E	Command, Control and Communications Systems	3	117,007	117,164	242,738	279,855	U
46	0603762E	Sensor and Guidance Technology	3	190,133	217,378	342,914	354,877	U
47	0603763E	Marine Technology	3	36,141	32,224	13,898		U
48	0603764E	Land Warfare Technology	3	153,017	165,963	82,387	15,433	U
49	0603765E	Classified DARPA Programs	3	118,284	287,695	210,532	246,174	U
50	0603766E	Network-Centric Warfare Technology	3			95,654	151,966	U
51	0603769D8Z	Distributed Learning Advanced Technology Development	3		1,608			U
52	0603781D8Z	Software Engineering Institute	3	21,876	22,189	22,652	22,627	U
53	0603805S	Dual Use Application Programs	3	6,000				U
54	0603826D8Z	Quick Reaction Special Projects	3		24,572	74,385	99,513	U
55	0603832D8Z	Joint Wargaming Simulation Management Office	3	46,104	46,337	44,887	46,075	U

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EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
56	0603924D8Z	High Energy Laser Advanced Technology Program	3	15,842	13,086			U
57	0603942D8Z	Technology Link	3			2,000	1,936	U
58	0603943D8Z	Air-to-Air Technology	3			2,000	1,936	U
59	0605160D8Z	Counterproliferation Support	3	1,764	1,729	1,882	1,960	U
60	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	3		14,000	13,757	13,756	U
61	1160402BB	Special Operations Advanced Technology Development	3			67,017	48,925	U
	<b>Advanced Technology Development (ATD)</b>			<b>2,122,130</b>	<b>2,500,943</b>	<b>2,566,243</b>	<b>2,658,261</b>	
62	0603228D8Z	Physical Security Equipment	4	39,313	47,519			U
63	0603709D8Z	Joint Robotics Program	4	12,558	19,943	11,515	11,791	U
64	0603714D8Z	Advanced Sensor Applications Program	4	21,239	15,436	16,718	17,612	U
65	0603736D8Z	CALS Initiative	4	6,680	7,535	4,000		U
66	0603851D8Z	Environmental Security Technical Certification Program	4	20,504	20,363	35,594	32,606	U
67	0603869C	Meads Concepts	4		114,781			U
68	0603879C	Advanced Concepts, Evaluations And Systems	4			151,696	216,778	U
69	0603880C	Ballistic Missile Defense System Segment	4	790,535	1,046,652			U
70	0603881C	Ballistic Missile Defense Terminal Defense Segment	4	195,800	136,399	810,440	924,356	U
71	0603882C	Ballistic Missile Defense Midcourse Defense Segment	4	3,655,089	3,103,844	3,613,266	3,841,412	U
72	0603883C	Ballistic Missile Defense Boost Defense Segment	4	583,463	718,036	626,264	653,612	U



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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
73	0603884BP	Chemical and Biological Defense Program	4	123,517	89,925	162,142	79,195	U
74	0603884C	Ballistic Missile Defense Sensors	4	312,973	350,436	438,242	562,752	U
75	0603886C	Ballistic Missile Defense System Interceptor	4			301,052	541,178	U
76	0603888C	Ballistic Missile Defense Test & Targets	4			611,522	711,181	U
77	0603889C	Ballistic Missile Defense Products	4			343,644	384,763	U
78	0603890C	Ballistic Missile Defense Systems Core	4			483,996	522,458	U
79	0603910D8Z	Strategic Capability Modernization	4		19,833			U
80	0603920D8Z	Humanitarian Demining	4	13,220	12,893	13,299	13,771	U
81	0603923D8Z	Coalition Warfare	4	5,844	6,562	5,906	5,896	U
82	0604722D8Z	Joint Service Education and Training Systems Development	4	10,000	986			U
83	0303191D8Z	Joint Electromagnetic Technology (JET) Program	4		10,070	6,362	6,690	U
	<b>Advanced Component Development &amp; Prototypes</b>			<b>5,790,735</b>	<b>5,721,213</b>	<b>7,635,658</b>	<b>8,526,051</b>	
84	0604384BP	Chemical and Biological Defense Program	5	157,559	172,262	148,017	83,325	U
85	0604618D8Z	MANPADS Defense Program	5			25,000	21,609	U
86	0604709D8Z	Joint Robotics Program	5	15,003	27,887	13,597	13,861	U
87	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	5	12,750	27,534	18,910	18,229	U
88	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	5	16,328	10,399	10,633	18,536	U
89	0604861C	Theater High-Altitude Area Defense System - TMD	5	818,632	888,323			U

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
90	0604865C	Patriot PAC-3 Theater Missile Defense Acquisition	5	130,630	176,155			U
91	0604867C	Navy Area Theater Missile Defense	5	96,121				U
92	0605013BL	Information Technology Development	5	3,584	3,858	10,539	10,710	U
93	0605013D8Z	Prototype Accounting Systems	5		673			U
94	0605015BL	Information Technology Development-Standard Procurement System (SPS)	5	10,375	7,716	5,195	4,200	U
95	0605016D8Z	Financial Management System Improvements	5	98,521	67,838	84,688	9,861	U
96	0303129K	Defense Message System	5	10,966	11,446	10,170	6,640	U
97	0303140K	Information Systems Security Program	5	11,599	17,814	5,987	2,499	U
98	0303141K	Global Combat Support System	5	15,640	16,717	17,259	17,912	U
99	0305840K	Electronic Commerce	5	24,866	24,596	6,028	3,475	U
100	0305840S	Electronic Commerce	5			2,360	2,345	U
	<b>System Development and Demonstration (SDD)</b>			<b>1,422,574</b>	<b>1,453,218</b>	<b>358,383</b>	<b>213,202</b>	
101	0603757D8Z	Training Transformation (T2)	6			2,951		U
102	0603858D8Z	Unexploded Ordnance Detection and Clearance	6	1,152	1,128			U
103	0604774D8Z	Defense Readiness Reporting System (DRRS)	6			18,575	19,738	U
104	0604943D8Z	Thermal Vicar	6	5,952	7,058	7,157	7,280	U
105	0605104D8Z	Technical Studies, Support and Analysis	6	27,400	29,000	30,204	30,686	U
106	0605110BR	Critical Technology Support	6	3,168	1,815	1,858	1,937	U
107	0605114D8Z	BLACK LIGHT	6		14,888	19,675	21,586	U
108	0605114E	BLACK LIGHT	6	5,000				U

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
109	0605116D8Z	General Support to C3I	6	28,312	22,438	24,638	35,614	U
110	0605117D8Z	Foreign Material Acquisition and Exploitation	6	31,578	23,468	33,916	35,644	U
111	0605123D8Z	Interagency Export License Automation	6	10,434	900	8,837	5,896	U
112	0605124D8Z	Defense Travel System	6	19,600	29,335	31,806	28,576	U
113	0605126J	Joint Theater Air and Missile Defense Organization	6	26,678	68,887	87,250	86,631	U
114	0605128D8Z	Classified Program USD(P)	6	45,000	24,832			U
115	0605130D8Z	Foreign Comparative Testing	6	34,839	26,873	34,873	35,705	U
116	0605384BP	Chemical and Biological Defense Program	6	43,970	35,889	39,345	42,652	U
117	0605502C	Small Business Innovative Research - MDA	6	145,102				U
118	0605502E	Small Business Innovative Research	6	53,646				U
119	0605710D8Z	Classified Programs - C3I	6	44,274	106,727	20,556	21,656	U
120	0605790D8Z	Small Business Innovation Research/Challenge Administration	6	14,544	2,018	2,026	2,003	U
121	0605798S	Defense Technology Analysis	6	5,626	5,017	5,209	5,279	U
122	0605799D8Z	Force Transformation Directorate	6		9,654	19,675	19,638	U
123	0605801K	Defense Technical Information Services (DTIC)	6	45,674	42,396	44,162	45,196	U
124	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	6	12,664	8,888	8,858	8,785	U
125	0605804D8Z	Development Test and Evaluation	6	45,829	49,252	8,938	8,903	U
126	0605898E	Management Headquarters (Research and Development) DARPA	6	36,102	42,271	45,002	46,489	U
127	0901585C	Pentagon Reservation	6	6,381	7,432	14,481	13,384	U

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
128	0901598C	Management Headquarters - MDA	6	30,191	25,365	93,441	101,373	U
129	0901598D8W	IT Software Dev Initiatives	6			8,605	3,700	U
130	0909999E	Financing for Cancelled Account Adjustments	6	2,000				U
	<b>RDT&amp;E Management Support</b>			<b>725,116</b>	<b>585,531</b>	<b>612,038</b>	<b>628,351</b>	
131	0604805D8Z	Commercial Operations and Support Savings Initiative	7	22,735	15,504			U
132	0605127T	Partnership for Peace (PfP) Information Management System	7	1,895	2,738	1,934	2,012	U
133	0605601D8Z	RDT&E Transformational Programs	7				1,153,652	U
134	0607384BP	Chemical and Biological Defense (Operational Systems Development)	7			3,442	3,428	U
135	0208043J	ISLAND SUN	7			1,469	1,667	U
136	0208045K	C4I Interoperability	7	40,232	44,220	42,415	43,326	U
137	0208052J	Joint Analytical Model Improvement Program	7	10,613	8,190	7,254	5,577	U
138	0300205R	Information Technology Systems	7	543	537	550	550	U
139	0301011G	Cryptologic Activities	7					
140	0301301L	General Defense Intelligence Program	7					
141	0301398L	Management Headquarters GDIP, DIA	7					
142	0302016K	National Military Command System-Wide Support	7	963	1,021	1,133	1,243	U
143	0302019K	Defense Info Infrastructure Engineering and Integration	7	8,393	7,325	2,460	2,523	U
144	0303126K	Long Haul Communications (DCS)	7	10,679	1,364	1,401	1,430	U
145	0303127K	Support of the National Communications System	7	4,252				U

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
146	0303131K	Minimum Essential Emergency Communications Network (MEECN)	7	7,576	6,981	7,198	7,279	U
147	0303140D8Z	Information Systems Security Program	7			14,790	15,178	U
148	0303140G	Information Systems Security Program	7	428,432	474,519	476,657	473,097	U
149	0303149J	C4I for the Warrior	7	10,083	9,815	4,199	4,189	U
150	0303149K	C4I for the Warrior	7		19,914	37,100	44,375	U
151	0303150K	Global Command and Control System	7		14,930	49,991	49,004	U
152	0303153K	Joint Spectrum Center	7	8,903	18,525	18,850	18,989	U
153	0303165K	Defense Collaboration Tool Suite (DCTS)	7			14,915	8,525	U
154	0303170K	Net-Centric Enterprise Services (NCES)	7			40,830	52,193	U
155	0303610K	Teleport Program	7	13,156	6,392	10,462	10,298	U
156	0304210BB	Special Applications for Contingencies	7	4,400	22,817	24,587	24,511	U
157	0304345BQ	National Imagery and Mapping Program	7					
158	0305102BQ	Defense Imagery and Mapping Program	7	136,400	160,237	161,873	218,772	U
159	0305125D8Z	Critical Infrastructure Protection (CIP)	7			2,051	2,168	U
160	0305127BZ	Foreign Counterintelligence Activities	7					
161	0305127V	Foreign Counterintelligence Activities	7	654	470			U
162	0305146BZ	Defense Joint Counterintelligence Program (JMIP)	7		23,194	82,266	81,580	U

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
163	0305146D8Z	Defense Joint Counterintelligence Program (JMIP)	7	17,939	66,508	30,757	18,592	U
164	0305190D8Z	C3I Intelligence Programs	7	16,684	106,779	132,094	191,645	U
165	0305191D8Z	Technology Development	7	4,738	225,849	249,152	106,598	U
166	0305193L	Intelligence Support to Information Operations (IO)	7					
167	0305202G	Dragon U-2 (JMIP)	7	4,082	3,325	2,747	2,131	U
168	0305206G	Airborne Reconnaissance Systems	7	16,309	11,414	12,184	11,233	U
169	0305207G	Manned Reconnaissance Systems	7	16,830	7,188	4,424	4,986	U
170	0305208BQ	Distributed Common Ground Systems	7					
171	0305208G	Distributed Common Ground Systems	7					
172	0305208L	Distributed Common Ground Systems	7	1,006	975	979	980	U
173	0305883L	Hard and Deeply Buried Target (HDBT) Intel Support	7					
174	0305884L	Intelligence Planning and Review Activities	7					
175	0305885G	Tactical Cryptologic Activities	7	103,937	110,526	112,691	117,437	U
176	0305889G	Counterdrug Intelligence Support	7	7,089				U
177	0305917D8Z	National Security Space Architect (NSSA)	7		10,818			U
178	0708011S	Industrial Preparedness	7	40,830	20,728	16,163	11,070	U
179	0708012S	Logistics Support Activities	7		28,182	35,781	11,457	U
180	0902298J	Management Headquarters (JCS)	7	15,605	12,413	18,943	17,278	U
181	1001018D8Z	NATO Joint STARS	7			24,721	73,550	U
182	1160279BB	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	7	9,744	12,620			U

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
183	1160401BB	Special Operations Technology Development	7	19,928	18,006			U
184	1160402BB	Special Operations Advanced Technology Development	7	17,775	79,550			U
185	1160404BB	Special Operations Tactical Systems Development	7	231,778	287,621	255,981	253,588	U
186	1160405BB	Special Operations Intelligence Systems Development	7	14,889	4,648	16,726	15,679	U
187	1160407BB	SOF Medical Technology Development	7	4,875	3,339			U
188	1160408BB	SOF Operational Enhancements	7	80,527	83,860	64,430	50,009	U
		<b>Operational Systems Development</b>		<b>3,221,225</b>	<b>4,461,980</b>	<b>4,880,250</b>	<b>6,034,990</b>	
		<b>Total Research, Development, Test &amp; Eval, DW</b>		<b>15,517,508</b>	<b>17,061,389</b>	<b>17,974,257</b>	<b>20,106,743</b>	

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FEB 2003

SUMMARY  
(\$ IN THOUSANDS)

<u>Summary Recap of Budget Activities</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Advanced Technology Development	7,905	8,571	12,804	19,413
RDT&E Management Support	221,223	228,983	273,857	281,722
<b>Total Operational Test &amp; Eval, Defense</b>	<b>229,128</b>	<b>237,554</b>	<b>286,661</b>	<b>301,135</b>
 <u>Summary Recap of FYDP Programs</u>				
Research and Development	229,128	237,554	286,661	301,135
<b>Total Operational Test &amp; Eval, Defense</b>	<b>229,128</b>	<b>237,554</b>	<b>286,661</b>	<b>301,135</b>



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EXHIBIT R-1

APPROPRIATION: 0460D Operational Test & Eval, Defense

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
1	0603941D8Z	Test & Evaluation Science & Technology	3	7,905	8,571	12,804	19,413	U
		<b>Advanced Technology Development</b>		<b>7,905</b>	<b>8,571</b>	<b>12,804</b>	<b>19,413</b>	
2	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	6	127,090	122,294	123,215	124,444	U
3	0605118D8Z	Operational Test and Evaluation	6	17,513	26,758	37,323	42,390	U
4	0605131D8Z	Live Fire Testing	6	12,736	15,791	10,074	10,209	U
5	0605804D8Z	Development Test and Evaluation	6	63,884	64,140	103,245	104,679	U
		<b>RDT&amp;E Management Support</b>		<b>221,223</b>	<b>228,983</b>	<b>273,857</b>	<b>281,722</b>	
		<b>Total Operational Test &amp; Eval, Defense</b>		<b>229,128</b>	<b>237,554</b>	<b>286,661</b>	<b>301,135</b>	

Special Operations Command  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test &amp; Eval, DW

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
23	1160401BB	Special Operations Technology Development	2			9,715	13,142	U
24	1160407BB	SOF Medical Technology Development	2			1,961	2,167	U
		<b>Applied Research</b>				<b>11,676</b>	<b>15,309</b>	
61	1160402BB	Special Operations Advanced Technology Development	3			67,017	48,925	U
		<b>Advanced Technology Development (ATD)</b>				<b>67,017</b>	<b>48,925</b>	
156	0304210BB	Special Applications for Contingencies	7	4,400	22,817	24,587	24,511	U
		<b>Operational Systems Development</b>		<b>4,400</b>	<b>22,817</b>	<b>24,587</b>	<b>24,511</b>	
182	1160279BB	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	7	9,744	12,620			U
183	1160401BB	Special Operations Technology Development	7	19,928	18,006			U
184	1160402BB	Special Operations Advanced Technology Development	7	17,775	79,550			U
185	1160404BB	Special Operations Tactical Systems Development	7	231,778	287,621	255,981	253,588	U
186	1160405BB	Special Operations Intelligence Systems Development	7	14,889	4,648	16,726	15,679	U
187	1160407BB	SOF Medical Technology Development	7	4,875	3,339			U
188	1160408BB	SOF Operational Enhancements	7	80,527	83,860	64,430	50,009	U
		<b>Operational Systems Development</b>		<b>379,516</b>	<b>489,644</b>	<b>337,137</b>	<b>319,276</b>	
		<b>Total Special Operations Command</b>		<b>383,916</b>	<b>512,461</b>	<b>440,417</b>	<b>408,021</b>	

Defense Contract Management Agency  
 FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test &amp; Eval, DW

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	
92	0605013BL	Information Technology Development	5	3,584	3,858	10,539	10,710	U
94	0605015BL	Information Technology Development-Standard Procurement System (SPS)	5	10,375	7,716	5,195	4,200	U
		<b>System Development and Demonstration (SDD)</b>		<b>13,959</b>	<b>11,574</b>	<b>15,734</b>	<b>14,910</b>	
		<b>Total Defense Contract Management Agency</b>		<b>13,959</b>	<b>11,574</b>	<b>15,734</b>	<b>14,910</b>	

Chemical and Biological Defense Program  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test &amp; Eval, DW

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
8	0601384BP	Chemical and Biological Defense Program	1	44,815	54,829	35,831	36,769	U
		<b>Basic Research</b>		<b>44,815</b>	<b>54,829</b>	<b>35,831</b>	<b>36,769</b>	
15	0602384BP	Chemical and Biological Defense Program	2	142,988	173,362	106,451	104,385	U
		<b>Applied Research</b>		<b>142,988</b>	<b>173,362</b>	<b>106,451</b>	<b>104,385</b>	
34	0603384BP	Chemical and Biological Defense Program - Advanced Development	3	81,777	107,763	103,725	98,843	U
		<b>Advanced Technology Development (ATD)</b>		<b>81,777</b>	<b>107,763</b>	<b>103,725</b>	<b>98,843</b>	
73	0603884BP	Chemical and Biological Defense Program	4	123,517	89,925	162,142	79,195	U
		<b>Advanced Component Development &amp; Prototypes</b>		<b>123,517</b>	<b>89,925</b>	<b>162,142</b>	<b>79,195</b>	
84	0604384BP	Chemical and Biological Defense Program	5	157,559	172,262	148,017	83,325	U
		<b>System Development and Demonstration (SDD)</b>		<b>157,559</b>	<b>172,262</b>	<b>148,017</b>	<b>83,325</b>	
116	0605384BP	Chemical and Biological Defense Program	6	43,970	35,889	39,345	42,652	U
		<b>RDT&amp;E Management Support</b>		<b>43,970</b>	<b>35,889</b>	<b>39,345</b>	<b>42,652</b>	
134	0607384BP	Chemical and Biological Defense (Operational Systems Development)	7			3,442	3,428	U
		<b>Operational Systems Development</b>				<b>3,442</b>	<b>3,428</b>	
<b>Total Chemical and Biological Defense Program</b>				<b>594,626</b>	<b>634,030</b>	<b>598,953</b>	<b>448,597</b>	

National Imagery and Mapping Agency  
 FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
157	0304345BQ	National Imagery and Mapping Program	7					
158	0305102BQ	Defense Imagery and Mapping Program	7	136,400	160,237	161,873	218,772	U
170	0305208BQ	Distributed Common Ground Systems	7	-----	-----	-----	-----	
		Operational Systems Development		-----	-----	-----	-----	
		Total National Imagery and Mapping Agency		-----	-----	-----	-----	

Defense Threat Reduction Agency  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test &amp; Eval, DW

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
18	0602715BR	Nuclear Sustainment & Counterproliferation Technologies	2	389,079				U
19	0602716BR	WMD Defeat Technology	2		162,272	183,178	247,911	U
20	0602717BR	Strategic Defense Technologies	2		117,950	116,049	116,803	U
	<b>Applied Research</b>			<b>389,079</b>	<b>280,222</b>	<b>299,227</b>	<b>364,714</b>	
29	0603160BR	Counterproliferation Advanced Development Technologies	3	162,565	80,377	76,277	81,826	U
36	0603711BR	Arms Control Technology	3	60,192	43,433	4,807	14,200	U
	<b>Advanced Technology Development (ATD)</b>			<b>222,757</b>	<b>123,810</b>	<b>81,084</b>	<b>96,026</b>	
106	0605110BR	Critical Technology Support	6	3,168	1,815	1,858	1,937	U
	<b>RDT&amp;E Management Support</b>			<b>3,168</b>	<b>1,815</b>	<b>1,858</b>	<b>1,937</b>	
	<b>Total Defense Threat Reduction Agency</b>			<b>615,004</b>	<b>405,847</b>	<b>382,169</b>	<b>462,677</b>	

Counter Intelligence Field Activity  
 FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
160	0305127BZ	Foreign Counterintelligence Activities	7					
162	0305146BZ	Defense Joint Counterintelligence Program (JMIP)	7		23,194	82,266	81,580	U
		Operational Systems Development		-----	-----	-----	-----	
		Total Counter Intelligence Field Activity		-----	-----	-----	-----	

Missile Defense Agency  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test &amp; Eval, DW

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
30	0603175C	Ballistic Missile Defense Technology	3	145,021	151,130	240,820	205,791	U
		<b>Advanced Technology Development (ATD)</b>		<b>145,021</b>	<b>151,130</b>	<b>240,820</b>	<b>205,791</b>	
67	0603869C	Meads Concepts	4		114,781			U
68	0603879C	Advanced Concepts, Evaluations And Systems	4			151,696	216,778	U
69	0603880C	Ballistic Missile Defense System Segment	4	790,535	1,046,652			U
70	0603881C	Ballistic Missile Defense Terminal Defense Segment	4	195,800	136,399	810,440	924,356	U
71	0603882C	Ballistic Missile Defense Midcourse Defense Segment	4	3,655,089	3,103,844	3,613,266	3,841,412	U
72	0603883C	Ballistic Missile Defense Boost Defense Segment	4	583,463	718,036	626,264	653,612	U
74	0603884C	Ballistic Missile Defense Sensors	4	312,973	350,436	438,242	562,752	U
75	0603886C	Ballistic Missile Defense System Interceptor	4			301,052	541,178	U
76	0603888C	Ballistic Missile Defense Test & Targets	4			611,522	711,181	U
77	0603889C	Ballistic Missile Defense Products	4			343,644	384,763	U
78	0603890C	Ballistic Missile Defense Systems Core	4			483,996	522,458	U
		<b>Advanced Component Development &amp; Prototypes</b>		<b>5,537,860</b>	<b>5,470,148</b>	<b>7,380,122</b>	<b>8,358,490</b>	
89	0604861C	Theater High-Altitude Area Defense System - TMD	5	818,632	888,323			U
90	0604865C	Patriot PAC-3 Theater Missile Defense Acquisition	5	130,630	176,155			U
91	0604867C	Navy Area Theater Missile Defense	5	96,121				U
		<b>System Development and Demonstration (SDD)</b>		<b>1,045,383</b>	<b>1,064,478</b>			



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Missile Defense Agency  
 FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
117	0605502C	Small Business Innovative Research - MDA	6	145,102				U
		<b>RDT&amp;E Management Support</b>		<b>145,102</b>				
127	0901585C	Pentagon Reservation	6	6,381	7,432	14,481	13,384	U
128	0901598C	Management Headquarters - MDA	6	30,191	25,365	93,441	101,373	U
		<b>RDT&amp;E Management Support</b>		<b>36,572</b>	<b>32,797</b>	<b>107,922</b>	<b>114,757</b>	
<b>Total Missile Defense Agency</b>				<b>6,909,938</b>	<b>6,718,553</b>	<b>7,728,864</b>	<b>8,679,038</b>	

Office of Secretary Of Defense  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test &amp; Eval, DW

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				SEC
				FY 2002	FY 2003	FY 2004	FY 2005	
1	0601101D8Z	In-House Laboratory Independent Research	1	2,081	2,047			U
3	0601103D8Z	University Research Initiatives	1	248,997	234,778			U
4	0601105D8Z	Force Health Protection	1	36,442	14,787			U
5	0601108D8Z	High Energy Laser Research Initiatives	1	11,785	11,666			U
6	0601111D8Z	Government/Industry Cosponsorship of University Research	1	9,195	8,903			U
7	0601114D8Z	Defense Experimental Program to Stimulate Competitive Research	1	16,824	16,455			U
	<b>Basic Research</b>			<b>325,324</b>	<b>288,636</b>			
9	0602227D8Z	Medical Free Electron Laser	2	19,660	11,897	9,494	9,694	U
10	0602228D8Z	Historically Black Colleges and Universities (HBCU) Science	2	23,784	25,980			U
11	0602234D8Z	Lincoln Laboratory Research Program	2	21,969	26,769	27,231	26,514	U
21	0602787D8Z	Medical Technology	2	8,971		9,213	10,111	U
22	0602890D8Z	High Energy Laser Research	2	35,231	43,901			U
	<b>Applied Research</b>			<b>109,615</b>	<b>108,547</b>	<b>45,938</b>	<b>46,319</b>	
25	0603002D8Z	Medical Advanced Technology	3	2,066		5,028	2,065	U
26	0603104D8Z	Explosives Demilitarization Technology	3	16,925	18,205			U
27	0603121D8Z	SO/LIC Advanced Development	3	14,509	18,608	31,300	32,723	U
28	0603122D8Z	Combating Terrorism Technology Support	3	56,011	111,377	60,526	46,778	U
31	0603225D8Z	Joint DoD-DoE Munitions Technology Development	3	18,982	18,623	25,011	25,351	U
32	0603232D8Z	Automatic Target Recognition	3	7,638	5,367			U

Office of Secretary Of Defense  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test &amp; Eval, DW

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
35	0603704D8Z	Special Technical Support	3	12,107	12,893	11,693	12,303	U
38	0603716D8Z	Strategic Environmental Research Program	3	62,165	52,534	47,068	60,012	U
39	0603727D8Z	Joint Warfighting Program	3	7,536	9,296	9,685	9,948	U
40	0603728D8Z	Agile Port Demonstration	3	8,500				U
42	0603750D8Z	Advanced Concept Technology Demonstrations	3	157,762	200,881	213,361	214,183	U
43	0603752D8Z	Commercial Technology Insertion Program	3				32,945	U
44	0603755D8Z	High Performance Computing Modernization Program	3	188,554	202,933			U
51	0603769D8Z	Distributed Learning Advanced Technology Development	3		1,608			U
52	0603781D8Z	Software Engineering Institute	3	21,876	22,189	22,652	22,627	U
54	0603826D8Z	Quick Reaction Special Projects	3		24,572	74,385	99,513	U
55	0603832D8Z	Joint Wargaming Simulation Management Office	3	46,104	46,337	44,887	46,075	U
56	0603924D8Z	High Energy Laser Advanced Technology Program	3	15,842	13,086			U
57	0603942D8Z	Technology Link	3			2,000	1,936	U
58	0603943D8Z	Air-to-Air Technology	3			2,000	1,936	U
59	0605160D8Z	Counterproliferation Support	3	1,764	1,729	1,882	1,960	U
		<b>Advanced Technology Development (ATD)</b>		<b>638,341</b>	<b>760,238</b>	<b>551,478</b>	<b>610,355</b>	
62	0603228D8Z	Physical Security Equipment	4	39,313	47,519			U
63	0603709D8Z	Joint Robotics Program	4	12,558	19,943	11,515	11,791	U
64	0603714D8Z	Advanced Sensor Applications Program	4	21,239	15,436	16,718	17,612	U
65	0603736D8Z	CALS Initiative	4	6,680	7,535	4,000		U

Office of Secretary Of Defense  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test &amp; Eval, DW

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
66	0603851D8Z	Environmental Security Technical Certification Program	4	20,504	20,363	35,594	32,606	U
79	0603910D8Z	Strategic Capability Modernization	4		19,833			U
80	0603920D8Z	Humanitarian Demining	4	13,220	12,893	13,299	13,771	U
81	0603923D8Z	Coalition Warfare	4	5,844	6,562	5,906	5,896	U
82	0604722D8Z	Joint Service Education and Training Systems Development	4	10,000	986			U
		<b>Advanced Component Development &amp; Prototypes</b>		<b>129,358</b>	<b>151,070</b>	<b>87,032</b>	<b>81,676</b>	
83	0303191D8Z	Joint Electromagnetic Technology (JET) Program	4		10,070	6,362	6,690	U
		<b>Advanced Component Development &amp; Prototypes</b>			<b>10,070</b>	<b>6,362</b>	<b>6,690</b>	
85	0604618D8Z	MANPADS Defense Program	5			25,000	21,609	U
86	0604709D8Z	Joint Robotics Program	5	15,003	27,887	13,597	13,861	U
88	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	5	16,328	10,399	10,633	18,536	U
93	0605013D8Z	Prototype Accounting Systems	5		673			U
95	0605016D8Z	Financial Management System Improvements	5	98,521	67,838	84,688	9,861	U
		<b>System Development and Demonstration (SDD)</b>		<b>129,852</b>	<b>106,797</b>	<b>133,918</b>	<b>63,867</b>	
101	0603757D8Z	Training Transformation (T2)	6			2,951		U
102	0603858D8Z	Unexploded Ordnance Detection and Clearance	6	1,152	1,128			U
103	0604774D8Z	Defense Readiness Reporting System (DRRS)	6			18,575	19,738	U
104	0604943D8Z	Thermal Vicar	6	5,952	7,058	7,157	7,280	U
105	0605104D8Z	Technical Studies, Support and Analysis	6	27,400	29,000	30,204	30,686	U
107	0605114D8Z	BLACK LIGHT	6		14,888	19,675	21,586	U

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Office of Secretary Of Defense  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test &amp; Eval, DW

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
109	0605116D8Z	General Support to C3I	6	28,312	22,438	24,638	35,614	U
110	0605117D8Z	Foreign Material Acquisition and Exploitation	6	31,578	23,468	33,916	35,644	U
111	0605123D8Z	Interagency Export License Automation	6	10,434	900	8,837	5,896	U
112	0605124D8Z	Defense Travel System	6	19,600	29,335	31,806	28,576	U
114	0605128D8Z	Classified Program USD(P)	6	45,000	24,832			U
115	0605130D8Z	Foreign Comparative Testing	6	34,839	26,873	34,873	35,705	U
119	0605710D8Z	Classified Programs - C3I	6	44,274	106,727	20,556	21,656	U
120	0605790D8Z	Small Business Innovation Research/Challenge Administration	6	14,544	2,018	2,026	2,003	U
122	0605799D8Z	Force Transformation Directorate	6		9,654	19,675	19,638	U
125	0605804D8Z	Development Test and Evaluation	6	45,829	49,252	8,938	8,903	U
	<b>RDT&amp;E Management Support</b>			<b>308,914</b>	<b>347,571</b>	<b>263,827</b>	<b>272,925</b>	
129	0901598D8W	IT Software Dev Initiatives	6			8,605	3,700	U
	<b>RDT&amp;E Management Support</b>					<b>8,605</b>	<b>3,700</b>	
131	0604805D8Z	Commercial Operations and Support Savings Initiative	7	22,735	15,504			U
133	0605601D8Z	RDT&E Transformational Programs	7				1,153,652	U
	<b>Operational Systems Development</b>			<b>22,735</b>	<b>15,504</b>		<b>1,153,652</b>	
147	0303140D8Z	Information Systems Security Program	7			14,790	15,178	U
159	0305125D8Z	Critical Infrastructure Protection (CIP)	7			2,051	2,168	U
163	0305146D8Z	Defense Joint Counterintelligence Program (JMIP)	7	17,939	66,508	30,757	18,592	U
164	0305190D8Z	C3I Intelligence Programs	7	16,684	106,779	132,094	191,645	U

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Office of Secretary Of Defense  
 FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
165	0305191D8Z	Technology Development	7	4,738	225,849	249,152	106,598	U
177	0305917D8Z	National Security Space Architect (NSSA)	7		10,818			U
		<b>Operational Systems Development</b>		<b>39,361</b>	<b>409,954</b>	<b>428,844</b>	<b>334,181</b>	
181	1001018D8Z	NATO Joint STARS	7			24,721	73,550	U
		<b>Operational Systems Development</b>				<b>24,721</b>	<b>73,550</b>	
<b>Total Office of Secretary Of Defense</b>				<b>1,703,500</b>	<b>2,198,387</b>	<b>1,550,725</b>	<b>2,646,915</b>	

Defense Adv Research Projects Agcy  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test &amp; Eval, DW

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
2	0601101E	Defense Research Sciences	1	141,900	199,030	151,029	143,522	U
		<b>Basic Research</b>		<b>141,900</b>	<b>199,030</b>	<b>151,029</b>	<b>143,522</b>	
12	0602301E	Computing Systems and Communications Technology	2	349,666	409,256	404,859	479,119	U
13	0602302E	Embedded Software and Pervasive Computing	2	56,190	58,599	13,318		U
14	0602383E	Biological Warfare Defense	2	171,878	161,956	137,254	138,533	U
16	0602702E	Tactical Technology	2	163,827	169,641	250,558	256,175	U
17	0602712E	Materials and Electronics Technology	2	340,446	434,426	465,544	461,043	U
		<b>Applied Research</b>		<b>1,082,007</b>	<b>1,233,878</b>	<b>1,271,533</b>	<b>1,334,870</b>	
33	0603285E	Advanced Aerospace Systems	3	131,954	235,300	323,730	340,567	U
41	0603739E	Advanced Electronics Technologies	3	192,895	158,987	174,150	172,151	U
45	0603760E	Command, Control and Communications Systems	3	117,007	117,164	242,738	279,855	U
46	0603762E	Sensor and Guidance Technology	3	190,133	217,378	342,914	354,877	U
47	0603763E	Marine Technology	3	36,141	32,224	13,898		U
48	0603764E	Land Warfare Technology	3	153,017	165,963	82,387	15,433	U
49	0603765E	Classified DARPA Programs	3	118,284	287,695	210,532	246,174	U
50	0603766E	Network-Centric Warfare Technology	3			95,654	151,966	U
		<b>Advanced Technology Development (ATD)</b>		<b>939,431</b>	<b>1,214,711</b>	<b>1,486,003</b>	<b>1,561,023</b>	
108	0605114E	BLACK LIGHT	6	5,000				U
118	0605502E	Small Business Innovative Research	6	53,646				U
126	0605898E	Management Headquarters (Research and Development) DARPA	6	36,102	42,271	45,002	46,489	U
		<b>RDT&amp;E Management Support</b>		<b>94,748</b>	<b>42,271</b>	<b>45,002</b>	<b>46,489</b>	

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Defense Adv Research Projects Agcy  
 FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C U
				FY 2002	FY 2003	FY 2004	FY 2005	
130	0909999E	Financing for Cancelled Account Adjustments	6	2,000				U
		RDT&E Management Support		2,000				
<b>Total Defense Adv Research Projects Agcy</b>				<b>2,260,086</b>	<b>2,689,890</b>	<b>2,953,567</b>	<b>3,085,904</b>	



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National Security Agency  
 FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
139	0301011G	Cryptologic Activities	7					
148	0303140G	Information Systems Security Program	7	428,432	474,519	476,657	473,097	U
167	0305202G	Dragon U-2 (JMIP)	7	4,082	3,325	2,747	2,131	U
168	0305206G	Airborne Reconnaissance Systems	7	16,309	11,414	12,184	11,233	U
169	0305207G	Manned Reconnaissance Systems	7	16,830	7,188	4,424	4,986	U
171	0305208G	Distributed Common Ground Systems	7					
175	0305885G	Tactical Cryptologic Activities	7	103,937	110,526	112,691	117,437	U
176	0305889G	Counterdrug Intelligence Support	7	7,089				U
		Operational Systems Development		-----	-----	-----	-----	
		Total National Security Agency		-----	-----	-----	-----	

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The Joint Staff  
 FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test &amp; Eval, DW

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
113	0605126J	Joint Theater Air and Missile Defense Organization	6	26,678	68,887	87,250	86,631	U
		<b>RDT&amp;E Management Support</b>		<b>26,678</b>	<b>68,887</b>	<b>87,250</b>	<b>86,631</b>	
135	0208043J	ISLAND SUN	7			1,469	1,667	U
137	0208052J	Joint Analytical Model Improvement Program	7	10,613	8,190	7,254	5,577	U
		<b>Operational Systems Development</b>		<b>10,613</b>	<b>8,190</b>	<b>8,723</b>	<b>7,244</b>	
149	0303149J	C4I for the Warrior	7	10,083	9,815	4,199	4,189	U
		<b>Operational Systems Development</b>		<b>10,083</b>	<b>9,815</b>	<b>4,199</b>	<b>4,189</b>	
180	0902298J	Management Headquarters (JCS)	7	15,605	12,413	18,943	17,278	U
		<b>Operational Systems Development</b>		<b>15,605</b>	<b>12,413</b>	<b>18,943</b>	<b>17,278</b>	
		<b>Total The Joint Staff</b>		<b>62,979</b>	<b>99,305</b>	<b>119,115</b>	<b>115,342</b>	

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Defense Information Systems Agency  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test &amp; Eval, DW

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
87	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	5	12,750	27,534	18,910	18,229	U
		<b>System Development and Demonstration (SDD)</b>		<b>12,750</b>	<b>27,534</b>	<b>18,910</b>	<b>18,229</b>	
96	0303129K	Defense Message System	5	10,966	11,446	10,170	6,640	U
97	0303140K	Information Systems Security Program	5	11,599	17,814	5,987	2,499	U
98	0303141K	Global Combat Support System	5	15,640	16,717	17,259	17,912	U
99	0305840K	Electronic Commerce	5	24,866	24,596	6,028	3,475	U
		<b>System Development and Demonstration (SDD)</b>		<b>63,071</b>	<b>70,573</b>	<b>39,444</b>	<b>30,526</b>	
123	0605801K	Defense Technical Information Services (DTIC)	6	45,674	42,396	44,162	45,196	U
		<b>RDT&amp;E Management Support</b>		<b>45,674</b>	<b>42,396</b>	<b>44,162</b>	<b>45,196</b>	
136	0208045K	C4I Interoperability	7	40,232	44,220	42,415	43,326	U
		<b>Operational Systems Development</b>		<b>40,232</b>	<b>44,220</b>	<b>42,415</b>	<b>43,326</b>	
142	0302016K	National Military Command System-Wide Support	7	963	1,021	1,133	1,243	U
143	0302019K	Defense Info Infrastructure Engineering and Integration	7	8,393	7,325	2,460	2,523	U
144	0303126K	Long Haul Communications (DCS)	7	10,679	1,364	1,401	1,430	U
145	0303127K	Support of the National Communications System	7	4,252				U
146	0303131K	Minimum Essential Emergency Communications Network (MEECN)	7	7,576	6,981	7,198	7,279	U
150	0303149K	C4I for the Warrior	7		19,914	37,100	44,375	U
151	0303150K	Global Command and Control System	7		14,930	49,991	49,004	U
152	0303153K	Joint Spectrum Center	7	8,903	18,525	18,850	18,989	U
153	0303165K	Defense Collaboration Tool Suite (DCTS)	7			14,915	8,525	U

Defense Information Systems Agency  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test &amp; Eval, DW

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
154	0303170K	Net-Centric Enterprise Services (NCES)	7			40,830	52,193	U
155	0303610K	Teleport Program	7	13,156	6,392	10,462	10,298	U
		<b>Operational Systems Development</b>		53,922	76,452	184,340	195,859	
		<b>Total Defense Information Systems Agency</b>		215,649	261,175	329,271	333,136	

Defense Intelligence Agency  
 FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
140	0301301L	General Defense Intelligence Program	7					
141	0301398L	Management Headquarters GDIP, DIA	7					
166	0305193L	Intelligence Support to Information Operations (IO)	7					
172	0305208L	Distributed Common Ground Systems	7	1,006	975	979	980	U
173	0305883L	Hard and Deeply Buried Target (HDBT) Intel Support	7					
174	0305884L	Intelligence Planning and Review Activities	7					
		Operational Systems Development		-----	-----	-----	-----	
		Total Defense Intelligence Agency		-----	-----	-----	-----	

Defense Contract Audit Agency  
 FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
138	0300205R	Information Technology Systems	7	543	537	550	550	U
		Operational Systems Development		543	537	550	550	
		Total Defense Contract Audit Agency		543	537	550	550	

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Defense Logistics Agency  
FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test &amp; Eval, DW

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
37	0603712S	Generic Logistics R&D Technology Demonstrations	3	88,803	129,291	22,359	23,542	U
53	0603805S	Dual Use Application Programs	3	6,000				U
		<b>Advanced Technology Development (ATD)</b>		<b>94,803</b>	<b>129,291</b>	<b>22,359</b>	<b>23,542</b>	
100	0305840S	Electronic Commerce	5			2,360	2,345	U
		<b>System Development and Demonstration (SDD)</b>				<b>2,360</b>	<b>2,345</b>	
121	0605798S	Defense Technology Analysis	6	5,626	5,017	5,209	5,279	U
		<b>RDT&amp;E Management Support</b>		<b>5,626</b>	<b>5,017</b>	<b>5,209</b>	<b>5,279</b>	
178	0708011S	Industrial Preparedness	7	40,830	20,728	16,163	11,070	U
179	0708012S	Logistics Support Activities	7		28,182	35,781	11,457	U
		<b>Operational Systems Development</b>		<b>40,830</b>	<b>48,910</b>	<b>51,944</b>	<b>22,527</b>	
		<b>Total Defense Logistics Agency</b>		<b>141,259</b>	<b>183,218</b>	<b>81,872</b>	<b>53,693</b>	

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DoD Human Resources Activity  
 FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
60	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	3		14,000	13,757	13,756	U
		<b>Advanced Technology Development (ATD)</b>			<b>14,000</b>	<b>13,757</b>	<b>13,756</b>	
124	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	6	12,664	8,888	8,858	8,785	U
		<b>RDT&amp;E Management Support</b>		<b>12,664</b>	<b>8,888</b>	<b>8,858</b>	<b>8,785</b>	
		<b>Total DoD Human Resources Activity</b>		<b>12,664</b>	<b>22,888</b>	<b>22,615</b>	<b>22,541</b>	



Defense Security Cooperation Agency  
 FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars				S E C
				FY 2002	FY 2003	FY 2004	FY 2005	
132	0605127T	Partnership for Peace (PfP) Information Management System	7	1,895	2,738	1,934	2,012	U
		Operational Systems Development		1,895	2,738	1,934	2,012	
		Total Defense Security Cooperation Agency		1,895	2,738	1,934	2,012	

Defense Security Service  
 FY 2004/2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2003

Line No	Program Element Number	Item	Act	Thousands of Dollars			FY 2005	S E C U
				FY 2002	FY 2003	FY 2004		
161	0305127V	Foreign Counterintelligence Activities	7	654	470			U
		Operational Systems Development		654	470			
		Total Defense Security Service		654	470			