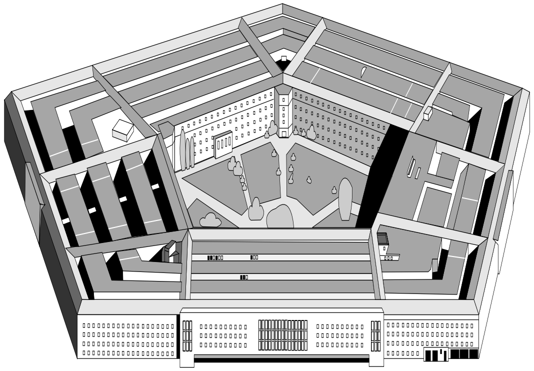
RDT&E PROGRAMS (R-1)



Department of Defense Budget

Fiscal Year 2005

February 2004
Office of the Under Secretary of Defense (Comptroller)

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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DEPARTMENT OF DEFENSE

FY 2005 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

FEB 2004

APPROPRIATION	FY 2003	FY 2004	FY 2005
Research, Development, Test & Eval, Army	7,594,576	10,201,354	10,435,557
Research, Development, Test & Eval, Navy	13,699,864	14,969,495	16,346,391
Research, Development, Test & Eval, AF	18,934,575	20,293,595	21,114,667
Research, Development, Test & Eval, DW	17,838,715	18,926,698	20,739,837
Operational Test & Eval, Defense	239,579	302,080	305,135
Total Research, Development, Test & Evaluation	**58,307,309**	**64,693,222**	**68,941,587**

DEPARTMENT OF DEFENSE

FY 2005 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

FEB 2004

Summary Recap of Budget Activities	FY 2003	FY 2004	FY 2005
Basic Research	1,368,607	1,403,900	1,330,078
Applied Research	4,268,749	4,423,216	3,877,745
Advanced Technology Development	5,091,158	6,254,129	5,342,527
Advanced Component Development & Prototypes	10,636,978	13,305,818	15,351,870
System Development & Demonstration	13,392,610	15,902,316	19,270,725
RDT&E Management Support	4,046,437	3,277,828	3,260,574
Operational Systems Development	19,502,770	20,126,015	20,508,068
Total Research, Development, Test & Evaluation	**58,307,309**	**64,693,222**	**68,941,587**

Summary Recap of FYDP Programs			
Strategic Forces	227,691	301,797	374,709
General Purpose Forces	3,924,872	4,271,548	4,919,418
Intelligence and Communications	13,518,630	13,865,081	13,807,793
Mobility Forces	642,828	770,491	835,980
Guard and Reserve Forces	8,553	4,600	
Research and Development	39,052,984	44,277,739	47,947,540
Central Supply and Maintenance	341,650	396,420	248,734
Training Medical and Other	299	3,230	3,372
Administration and Associated Activities	123,749	202,755	310,404
Support of Other Nations	4,143	28,695	34,939
Special Operations Forces	461,910	570,866	458,698
Total Research, Development, Test & Evaluation	**58,307,309**	**64,693,222**	**68,941,587**

DEPARTMENT OF THE ARMY

FY 2005 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

FEB 2004

Summary Recap of Budget Activities	FY 2003	FY 2004	FY 2005
Basic Research	242,924	381,593	317,506
Applied Research	852,485	1,039,845	651,192
Advanced Technology Development	1,095,874	1,205,226	814,615
Advanced Component Development & Prototypes	944,163	920,801	734,493
System Development & Demonstration	2,430,934	4,663,567	6,129,313
RDT&E Management Support	954,015	893,813	859,298
Operational Systems Development	1,074,181	1,096,509	929,140
Total Research, Development, Test & Eval, Army	**7,594,576**	**10,201,354**	**10,435,557**

Summary Recap of FYDP Programs	FY 2003	FY 2004	FY 2005
Strategic Forces	33,489	58,397	81,514
General Purpose Forces	546,244	541,560	410,551
Intelligence and Communications	320,295	326,298	270,825
Research and Development	6,614,798	9,188,748	9,603,839
Central Supply and Maintenance	79,066	85,853	68,233
Administration and Associated Activities	181		
Support of Other Nations	503	498	595
Total Research, Development, Test & Eval, Army	**7,594,576**	**10,201,354**	**10,435,557**

DEPARTMENT OF THE ARMY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
1	0601101A	In-House Laboratory Independent Research	1	20,255	23,914	23,971	U
2	0601102A	Defense Research Sciences	1	138,432	156,146	131,206	U
3	0601103A	University Research Initiatives	1		85,242	75,133	U
4	0601104A	University and Industry Research Centers	1	84,237	99,786	77,658	U
5	0601105A	Force Health Protection	1		16,505	9,538	U
	Basic Research			**242,924**	**381,593**	**317,506**	
6	0602105A	Materials Technology	2	35,041	39,972	15,385	U
7	0602120A	Sensors and Electronic Survivability	2	21,700	25,230	25,629	U
8	0602122A	TRACTOR HIP	2	6,322	5,649	6,627	U
9	0602211A	Aviation Technology	2	39,163	39,172	41,629	U
10	0602270A	Electronic Warfare Technology	2	17,002	16,471	18,034	U
11	0602303A	Missile Technology	2	52,793	91,560	51,993	U
12	0602307A	Advanced Weapons Technology	2	19,785	14,706	16,641	U
13	0602308A	Advanced Concepts and Simulation	2	28,453	30,431	15,041	U
14	0602601A	Combat Vehicle and Automotive Technology	2	81,562	125,147	69,638	U
15	0602618A	Ballistics Technology	2	61,372	57,197	51,301	U
16	0602622A	Chemical, Smoke and Equipment Defeating Technology	2	15,480	21,722	3,476	U
17	0602623A	Joint Service Small Arms Program	2	5,373	5,649	5,739	U
18	0602624A	Weapons and Munitions Technology	2	71,917	75,266	44,666	U
19	0602705A	Electronics and Electronic Devices	2	61,510	76,809	41,236	U
20	0602709A	Night Vision Technology	2	18,707	21,506	22,617	U

DEPARTMENT OF THE ARMY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
21	0602712A	Countermine Systems	2	18,408	26,016	20,547	U
22	0602716A	Human Factors Engineering Technology	2	20,247	23,913	16,899	U
23	0602720A	Environmental Quality Technology	2	26,461	30,824	17,026	U
24	0602782A	Command, Control, Communications Technology	2	20,805	18,115	18,604	U
25	0602783A	Computer and Software Technology	2	3,931	4,010	3,982	U
26	0602784A	Military Engineering Technology	2	54,562	51,577	47,152	U
27	0602785A	Manpower/Personnel/Training Technology	2	15,130	15,053	15,322	U
28	0602786A	Warfighter Technology	2	35,826	49,349	21,131	U
29	0602787A	Medical Technology	2	120,935	174,501	60,877	U
	Applied Research			**852,485**	**1,039,845**	**651,192**	
30	0603001A	Warfighter Advanced Technology	3	55,618	66,855	68,034	U
31	0603002A	Medical Advanced Technology	3	168,093	217,737	38,404	U
32	0603003A	Aviation Advanced Technology	3	42,388	84,966	69,549	U
33	0603004A	Weapons and Munitions Advanced Technology	3	61,206	53,737	67,622	U
34	0603005A	Combat Vehicle and Automotive Advanced Technology	3	304,885	270,656	203,126	U
35	0603006A	Command, Control, Communications Advanced Technology	3	8,700	11,339	9,946	U
36	0603007A	Manpower, Personnel and Training Advanced Technology	3	7,606	8,921	7,288	U
37	0603008A	Electronic Warfare Advanced Technology	3	28,662	59,170	41,760	U
38	0603009A	TRACTOR HIKE	3	16,943	7,686	8,035	U

DEPARTMENT OF THE ARMY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
39	0603015A	Next Generation Training & Simulation Systems	3		15,658	18,072	U
40	0603020A	TRACTOR ROSE	3	3,261	4,159	4,736	U
41	0603103A	Explosives Demilitarization Technology	3		24,842	9,706	U
42	0603105A	Military HIV Research	3		14,059	6,641	U
43	0603125A	Combating Terrorism, Technology Development	3	41,822	8,610	3,383	U
44	0603238A	Global Surveillance/Air Defense/ Precision Strike Technology Demonstration	3	29,774	12,505	10,721	U
45	0603270A	Electronic Warfare Technology	3	18,566	25,360	9,382	U
46	0603313A	Missile and Rocket Advanced Technology	3	100,616	121,126	92,800	U
47	0603322A	TRACTOR CAGE	3	2,938	7,499	13,312	U
48	0603606A	Landmine Warfare and Barrier Advanced Technology	3	28,075	29,662	25,577	U
49	0603607A	Joint Service Small Arms Program	3	16,396	9,575	5,968	U
50	0603654A	Line-Of-Sight Technology Demonstration	3	29,931	8,739		U
51	0603710A	Night Vision Advanced Technology	3	77,129	84,066	50,071	U
52	0603728A	Environmental Quality Technology Demonstrations	3	12,694	20,462	14,666	U
53	0603734A	Military Engineering Advanced Technology	3	13,643	13,106	3,865	U
54	0603772A	Advanced Tactical Computer Science and Sensor Technology	3	26,928	24,731	31,951	U
		Advanced Technology Development		**1,095,874**	**1,205,226**	**814,615**	
55	0603305A	Army Missile Defense Systems Integration(Non Space)	4	36,790	108,078	53,509	U

DEPARTMENT OF THE ARMY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
56	0603308A	Army Missile Defense Systems Integration (Space)	4	56,974	35,532	4,871	U
57	0603327A	Air and Missile Defense Systems Engineering	4		121,489	91,713	U
58	0603619A	Landmine Warfare and Barrier - Adv Dev	4	9,719	36,563	11,634	U
59	0603627A	Smoke, Obscurant and Target Defeating Sys-Adv Dev	4	2,324	10,147	6,249	U
60	0603639A	Tank and Medium Caliber Ammunition	4	26,367	26,055	39,697	U
61	0603645A	Armored System Modernization - Adv Dev	4	127,951			U
62	0603653A	Advanced Tank Armament System (ATAS)	4	150,234	60,692	51,892	U
63	0603747A	Soldier Support and Survivability	4	19,664	13,833	13,810	U
64	0603766A	Tactical Electronic Surveillance System - Adv Dev	4	16,112	16,878	15,441	U
65	0603774A	Night Vision Systems Advanced Development	4	10,984	7,005	14,047	U
66	0603779A	Environmental Quality Technology	4	30,980	40,509	9,356	U
67	0603782A	Warfighter Information Network-Tactical	4	48,849	81,393	99,645	U
68	0603790A	NATO Research and Development	4	4,561	2,747	4,801	U
69	0603801A	Aviation - Adv Dev	4	10,660	14,307	9,233	U
70	0603802A	Weapons and Munitions - Adv Dev	4	35,634	31,500	2,382	U
71	0603804A	Logistics and Engineer Equipment - Adv Dev	4	11,997	12,863	10,485	U
72	0603805A	Combat Service Support Control System Evaluation and Analysis	4	8,275	8,585	6,366	U
73	0603807A	Medical Systems - Adv Dev	4	13,280	13,392	10,258	U

DEPARTMENT OF THE ARMY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
74	0603850A	Integrated Broadcast Service (JMIP/DISTP)	4	1,928	2,073	4,356	U
75	0603854A	Artillery Systems	4	306,778			U
76	0603856A	SCAMP Block II	4	14,102	27,716	10,221	U
77	0603869A	Medium Extended Air Defense System (MEADS) Concepts	4		249,444	264,527	U
		Advanced Component Development & Prototypes		**944,163**	**920,801**	**734,493**	
78	0604201A	Aircraft Avionics	5	35,971	47,155	68,857	U
79	0604220A	Armed, Deployable OH-58D	5	1,759			U
80	0604223A	Comanche	5	865,613	1,068,029	1,229,664	U
81	0604270A	Electronic Warfare Development	5	38,291	32,870	16,879	U
82	0604280A	Joint Tactical Radio	5	62,892	133,293	121,400	U
83	0604321A	All Source Analysis System	5	54,341	19,959	5,346	U
84	0604328A	TRACTOR CAGE	5	9,304	16,046	14,149	U
85	0604329A	Common Missile	5	28,104	93,705	152,381	U
86	0604601A	Infantry Support Weapons	5		28,340	28,187	U
87	0604604A	Medium Tactical Vehicles	5	3,584	4,321	2,854	U
88	0604609A	Smoke, Obscurant and Target Defeating Sys-SDD	5	7,521	11,968	3,798	U
89	0604611A	JAVELIN	5	467	946	944	U
90	0604622A	Family of Heavy Tactical Vehicles	5	13,852	16,875	2,479	U
91	0604633A	Air Traffic Control	5	2,161	2,489	2,088	U
92	0604641A	Tactical Unmanned Ground Vehicle (TUGV)	5	1,146			U
93	0604642A	Light Tactical Wheeled Vehicles	5	7,900	18,010		U

DEPARTMENT OF THE ARMY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
94	0604645A	Armored Systems Modernization (ASM)-SDD	5	159,175	1,423,146	2,700,455	U
95	0604647A	Non-Line of Sight Cannon	5		260,495	497,643	U
96	0604649A	Engineer Mobility Equipment Development	5	7,651			U
97	0604710A	Night Vision Systems - SDD	5	31,687	38,816	24,693	U
98	0604713A	Combat Feeding, Clothing, and Equipment	5	80,989	98,960	115,093	U
99	0604715A	Non-System Training Devices - SDD	5	55,865	70,870	51,694	U
100	0604716A	Terrain Information - SDD	5	8,092	6,905	3,199	U
101	0604726A	Integrated Meteorological Support System	5	3,359	3,275	2,485	U
102	0604738A	JSIMS Core Program	5	28,759			U
103	0604741A	Air Defense Command, Control and Intelligence - SDD	5	26,983	28,993	27,376	U
104	0604742A	Constructive Simulation Systems Development	5	43,673	16,818	42,869	U
105	0604746A	Automatic Test Equipment Development	5	12,647	11,316	4,713	U
106	0604760A	Distributive Interactive Simulations (DIS) - SDD	5	18,087	25,789	26,985	U
107	0604766A	Tactical Surveillance Systems - SDD	5	57,229	26,022	21,821	U
108	0604768A	Army Tactical Missile System (ATACMS)	5	55,922	9,897	21	U
109	0604770A	Joint Surveillance/Target Attack Radar System (JSTARS)	5	4,509	4,656		U
110	0604778A	Positioning Systems Development (SPACE)	5		1,558	2,048	U

DEPARTMENT OF THE ARMY
FY 2005 RDT&E PROGRAM

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
111	0604780A	Combined Arms Tactical Trainer (CATT) Core	5	8,162	3,956	23,849	U
112	0604783A	Joint Network Management System	5	7,673	9,339	10,726	U
113	0604801A	Aviation - SDD	5	2,979	3,344	2,378	U
114	0604802A	Weapons and Munitions - SDD	5	49,830	157,076	125,885	U
115	0604804A	Logistics and Engineer Equipment - SDD	5	56,101	87,471	89,151	U
116	0604805A	Command, Control, Communications Systems - SDD	5	89,465	216,811	219,790	U
117	0604807A	Medical Materiel/Medical Biological Defense Equipment - SDD	5	18,769	22,615	11,727	U
118	0604808A	Landmine Warfare/Barrier - SDD	5	125,024	96,187	51,045	U
119	0604814A	Artillery Munitions	5	102,141	122,631	133,297	U
120	0604817A	Combat Identification	5	4,983	11,817	6,994	U
121	0604818A	Army Tactical Command & Control Hardware & Software	5	97,970	101,166	68,110	U
122	0604819A	LOSAT	5	10,603	30,488	22,628	U
123	0604820A	Radar Development	5			6,107	U
124	0604823A	Firefinder	5	28,401	26,825	18,516	U
125	0604854A	Artillery Systems	5	30,483	32,289	9,550	U
126	0604865A	Patriot PAC-3 Theater Missile Defense Acquisition	5		156,827	64,178	U
127	0605013A	Information Technology Development	5	70,817	63,203	95,261	U
		System Development & Demonstration		**2,430,934**	**4,663,567**	**6,129,313**	
128	0604256A	Threat Simulator Development	6	17,593	19,601	22,101	U
129	0604258A	Target Systems Development	6	10,049	13,444	11,017	U
130	0604759A	Major T&E Investment	6	47,054	60,141	57,987	U

DEPARTMENT OF THE ARMY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
131	0605103A	Rand Arroyo Center	6	21,163	22,072	20,012	U
132	0605301A	Army Kwajalein Atoll	6	125,327	138,884	143,921	U
133	0605326A	Concepts Experimentation Program	6	23,330	30,704	22,727	U
134	0605502A	Small Business Innovative Research	6	179,142			U
135	0605601A	Army Test Ranges and Facilities	6	129,665	182,885	181,114	U
136	0605602A	Army Technical Test Instrumentation and Targets	6	41,774	56,899	52,433	U
137	0605604A	Survivability/Lethality Analysis	6	34,921	41,860	44,648	U
138	0605605A	DOD High Energy Laser Test Facility	6	16,672	18,299	15,725	U
139	0605606A	Aircraft Certification	6	3,555	2,999	2,985	U
140	0605702A	Meteorological Support to RDT&E Activities	6	6,792	9,359	8,711	U
141	0605706A	Materiel Systems Analysis	6	8,978	15,642	18,000	U
142	0605709A	Exploitation of Foreign Items	6	3,430	3,465	4,740	U
143	0605712A	Support of Operational Testing	6	83,911	66,995	71,239	U
144	0605716A	Army Evaluation Center	6	43,809	46,527	62,209	U
145	0605718A	Simulation & Modeling for Acq, Rqts, & Tng (SMART)	6		2,568	1,935	U
146	0605801A	Programwide Activities	6	59,836	62,966	59,368	U
147	0605803A	Technical Information Activities	6	54,182	42,122	27,713	U
148	0605805A	Munitions Standardization, Effectiveness and Safety	6	30,002	39,783	14,611	U
149	0605857A	Environmental Quality Technology Mgmt Support	6	1,794	4,780	4,527	U
150	0605898A	Management HQ - R&D	6	10,855	11,818	11,575	U

DEPARTMENT OF THE ARMY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
151	0909999A	Financing for Cancelled Account Adjustments	6	181			U
		RDT&E Management Support		**954,015**	**893,813**	**859,298**	
152	0603778A	MLRS Product Improvement Program	7	94,584	83,903	97,422	U
153	0102419A	Aerostat Joint Project Office	7	33,489	58,397	81,514	U
154	0203610A	Domestic Preparedness Against WMD	7	2,437	3,956		U
155	0203726A	Adv Field Artillery Tactical Data System	7	44,959	28,599	17,994	U
156	0203735A	Combat Vehicle Improvement Programs	7	81,285	31,336	15,952	U
157	0203740A	Maneuver Control System	7	40,612	39,145	24,753	U
158	0203744A	Aircraft Modifications/Product Improvement Programs	7	206,500	276,191	224,368	U
159	0203752A	Aircraft Engine Component Improvement Program	7	6,759	5,339	2,427	U
160	0203758A	Digitization	7	27,727	18,049	24,506	U
161	0203759A	Force XXI Battle Command, Brigade and Below (FBCB2)	7	59,887	47,901	23,510	U
162	0203801A	Missile/Air Defense Product Improvement Program	7	39,262	46,055	31,690	U
163	0203802A	Other Missile Product Improvement Programs	7	12,229	1,061	4,863	U
164	0203806A	TRACTOR RUT	7		8,754	3,321	U
165	0203808A	TRACTOR CARD	7	8,495	9,153	9,023	U
166	0208010A	Joint Tactical Communications Program (TRI-TAC)	7	13,281	16,362	18,177	U
167	0208053A	Joint Tactical Ground System	7	2,811	9,659	9,967	U
168	0301359A	Special Army Program	7	12,445	19,737		

DEPARTMENT OF THE ARMY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
169	0301555A	CLASSIFIED PROGRAMS	7				
170	0301556A	SPECIAL PROGRAM	7				
171	0303028A	Security and Intelligence Activities	7	26,182	15,873		U
172	0303140A	Information Systems Security Program	7	22,153	20,500	24,725	U
173	0303141A	Global Combat Support System	7	49,273	55,217	94,215	U
174	0303142A	SATCOM Ground Environment (SPACE)	7	67,716	86,389	51,959	U
175	0303150A	WWMCCS/Global Command and Control System	7	16,704	16,934	19,204	U
176	0305114A	Traffic Control, Approach and Landing System	7	934	945		U
177	0305204A	Tactical Unmanned Aerial Vehicles (JMIP)	7	68,650	68,629	27,127	U
178	0305206A	Airborne Reconnaissance Systems	7	11,433	4,699	5,128	U
179	0305208A	Distributed Common Ground/Surface Systems	7	44,805	37,375	43,254	U
180	0702239A	Avionics Component Improvement Program	7			997	U
181	0708045A	End Item Industrial Preparedness Activities	7	79,066	85,853	67,236	U
182	1001018A	NATO Joint STARS	7	503	498	595	U
		Operational Systems Development		**1,074,181**	**1,096,509**	**929,140**	
		Total Research, Development, Test & Eval, Army		**7,594,576**	**10,201,354**	**10,435,557**	

DEPARTMENT OF THE NAVY

FY 2005 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

FEB 2004

Summary Recap of Budget Activities	FY 2003	FY 2004	FY 2005
Basic Research	405,934	484,048	476,984
Applied Research	778,159	723,697	564,067
Advanced Technology Development	813,556	1,009,367	677,172
Advanced Component Development & Prototypes	2,660,947	2,807,473	2,803,667
System Development & Demonstration	5,184,832	6,359,897	8,008,517
RDT&E Management Support	939,374	686,839	653,996
Operational Systems Development	2,917,062	2,898,174	3,161,988
Total Research, Development, Test & Eval, Navy	**13,699,864**	**14,969,495**	**16,346,391**

Summary Recap of FYDP Programs	FY 2003	FY 2004	FY 2005
Strategic Forces	86,511	132,359	192,034
General Purpose Forces	943,705	951,287	941,570
Intelligence and Communications	1,419,840	1,575,795	1,060,115
Guard and Reserve Forces	8,553	4,600	
Research and Development	11,137,121	12,217,708	14,085,842
Central Supply and Maintenance	96,156	87,746	66,830
Administration and Associated Activities	7,978		
Total Research, Development, Test & Eval, Navy	**13,699,864**	**14,969,495**	**16,346,391**

DEPARTMENT OF THE NAVY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
1	0601103N	University Research Initiatives	1		91,489	83,508	U
2	0601152N	In-House Laboratory Independent Research	1	12,878	17,196	17,664	U
3	0601153N	Defense Research Sciences	1	393,056	375,363	375,812	U
		Basic Research		**405,934**	**484,048**	**476,984**	
4	0602114N	Power Projection Applied Research	2	110,232	142,626	98,831	U
5	0602123N	Force Protection Applied Research	2	113,066	112,868	96,269	U
6	0602131M	Marine Corps Landing Force Technology	2	28,247	32,375	35,398	U
7	0602232N	Communications, Command and Control, Intell, Surveillance	2	1,333			U
8	0602233N	Human Systems Technology	2	1,000	1,705		U
9	0602234N	Materials, Electronics and Computer Technology	2	9,553	1,780		U
10	0602235N	Common Picture Applied Research	2	142,203	95,432	60,134	U
11	0602236N	Warfighter Sustainment Applied Research	2	102,075	100,645	63,726	U
12	0602271N	RF Systems Applied Research	2	69,232	49,244	49,151	U
13	0602435N	Ocean Warfighting Environment Applied Research	2	66,431	62,305	48,482	U
14	0602747N	Undersea Warfare Applied Research	2	85,424	76,788	64,060	U
15	0602782N	Mine and Expeditionary Warfare Applied Research	2	49,363	47,929	48,016	U
		Applied Research		**778,159**	**723,697**	**564,067**	
16	0603114N	Power Projection Advanced Technology	3	176,336	260,688	92,359	U
17	0603123N	Force Protection Advanced Technology	3	89,085	119,838	82,130	U

DEPARTMENT OF THE NAVY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
18	0603235N	Common Picture Advanced Technology	3	45,656	79,690	79,521	U
19	0603236N	Warfighter Sustainment Advanced Technology	3	90,501	86,464	61,103	U
20	0603271N	RF Systems Advanced Technology	3	70,973	62,041	44,046	U
21	0603640M	USMC Advanced Technology Demonstration (ATD)	3	73,607	90,110	58,222	U
22	0603712N	Environmental Quality and Logistics Advanced Technology	3	960			U
23	0603727N	Navy Technical Information Presentation System	3	101,816	137,315	167,626	U
24	0603729N	Warfighter Protection Advanced Technology	3	32,757	28,318	16,719	U
25	0603747N	Undersea Warfare Advanced Technology	3	45,080	46,544	26,515	U
26	0603757N	Joint Warfare Experiments	3		19,956	26	U
27	0603758N	Navy Warfighting Experiments and Demonstrations	3	42,138	39,490	16,006	U
28	0603782N	Mine and Expeditionary Warfare Advanced Technology	3	42,266	38,913	32,899	U
29	0603792N	Advanced Technology Transition	3	2,381			U
		Advanced Technology Development		**813,556**	**1,009,367**	**677,172**	
30	0603207N	Air/Ocean Tactical Applications	4	31,937	22,575	24,431	U
31	0603216N	Aviation Survivability	4	20,359	21,628	10,820	U
32	0603237N	Deployable Joint Command and Control	4	31,527	63,541	42,394	U
33	0603254N	ASW Systems Development	4	25,011	14,340	4,541	U
34	0603261N	Tactical Airborne Reconnaissance	4	1,877	2,029	6,448	U
35	0603382N	Advanced Combat Systems Technology	4	3,214	5,730	67,605	U

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
36	0603502N	Surface and Shallow Water Mine Countermeasures	4	140,512	145,678	103,308	U
37	0603506N	Surface Ship Torpedo Defense	4	13,929	44,891	46,896	U
38	0603512N	Carrier Systems Development	4	88,360	156,603	157,479	U
39	0603513N	Shipboard System Component Development	4	247,513	36,664	18,993	U
40	0603525N	PILOT FISH	4	71,613	93,860	78,223	U
41	0603527N	RETRACT LARCH	4	29,644	73,181	82,532	U
42	0603536N	RETRACT JUNIPER	4		20,258	36,915	U
43	0603542N	Radiological Control	4	1,053	1,097	946	U
44	0603553N	Surface ASW	4	3,108	4,456	17,633	U
45	0603559N	SSGN Conversion	4	79,126	69,405	19,970	U
46	0603561N	Advanced Submarine System Development	4	126,891	92,539	81,160	U
47	0603562N	Submarine Tactical Warfare Systems	4	12,502	6,948	5,957	U
48	0603563N	Ship Concept Advanced Design	4	24,685	20,846	3,723	U
49	0603564N	Ship Preliminary Design & Feasibility Studies	4	2,180			U
50	0603570N	Advanced Nuclear Power Systems	4	211,314	198,999	169,733	U
51	0603573N	Advanced Surface Machinery Systems	4	2,807	6,534		U
52	0603576N	CHALK EAGLE	4	29,815	17,127	47,786	U
53	0603581N	Littoral Combat Ship (LCS)	4	35,322	166,180	352,089	U
54	0603582N	Combat System Integration	4	57,957	97,969	80,840	U
55	0603609N	Conventional Munitions	4	17,613	42,063	34,151	U
56	0603611M	Marine Corps Assault Vehicles	4	263,299	237,893	236,969	U

DEPARTMENT OF THE NAVY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
57	0603612M	USMC Mine Countermeasures Systems - Adv Dev	4	310	1,202	4,522	U
58	0603635M	Marine Corps Ground Combat/ Support System	4	31,622	26,009	22,440	U
59	0603654N	Joint Service Explosive Ordnance Development	4	12,360	16,868	18,047	U
60	0603658N	Cooperative Engagement	4	106,020	86,725	103,452	U
61	0603713N	Ocean Engineering Technology Development	4	24,585	17,977	26,232	U
62	0603721N	Environmental Protection	4	43,048	31,855	24,641	U
63	0603724N	Navy Energy Program	4	14,712	4,636	1,494	U
64	0603725N	Facilities Improvement	4	3,276	1,424	1,621	U
65	0603734N	CHALK CORAL	4	67,617	60,718	58,467	U
66	0603739N	Navy Logistic Productivity	4	28,844	17,989	7,421	U
67	0603746N	RETRACT MAPLE	4	244,120	297,370	275,407	U
68	0603748N	LINK PLUMERIA	4	80,453	104,186	112,997	U
69	0603751N	RETRACT ELM	4	24,390	43,210	48,130	U
70	0603755N	Ship Self Defense	4	9,101	9,625	9,493	U
71	0603764N	LINK EVERGREEN	4	47,820	94,470	63,346	U
72	0603787N	Special Processes	4	47,104	52,855	44,232	U
73	0603790N	NATO Research and Development	4	12,804	11,338	10,151	U
74	0603795N	Land Attack Technology	4	122,032	119,684	82,049	U
75	0603851M	Nonlethal Weapons	4	24,797	43,929	43,321	U
76	0603857N	All Service Combat Identification Evaluation Team (ASCIET)	4	13,715	14,886	13,626	U
77	0603860N	Joint Precision Approach and Landing Systems	4	12,217	24,034	32,391	U

DEPARTMENT OF THE NAVY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
78	0603879N	Single Integrated Air Picture (SIAP) System Engineer (SE)	4	67,034	14,411	20,252	U
79	0603889N	Counterdrug RDT&E Projects	4	16,200			U
80	0604272N	Tactical Air Directional Infrared Countermeasures (TADIRCM)	4		11,866		U
81	0604707N	Space and Electronic Warfare (SEW) Architecture/Engineering Support	4	33,598	37,172	25,943	U
82	0604787N	Joint Warfare Transformation Programs	4			22,450	U
		Advanced Component Development & Prototypes		**2,660,947**	**2,807,473**	**2,803,667**	
83	0604212N	Other Helo Development	5	59,490	67,999	186,970	U
84	0604214N	AV-8B Aircraft - Eng Dev	5	17,712	8,630	12,284	U
85	0604215N	Standards Development	5	42,007	49,867	57,675	U
86	0604216N	Multi-Mission Helicopter Upgrade Development	5	89,943	76,141	78,757	U
87	0604217N	S-3 Weapon System Improvement	5	398			U
88	0604218N	Air/Ocean Equipment Engineering	5	7,332	3,041	4,506	U
89	0604221N	P-3 Modernization Program	5	887	14,593	9,554	U
90	0604230N	Warfare Support System	5		1,976	5,201	U
91	0604231N	Tactical Command System	5	68,220	65,443	49,180	U
92	0604234N	Advanced Hawkeye	5	107,043	343,306	597,015	U
93	0604245N	H-1 Upgrades	5	232,229	90,965	90,389	U
94	0604261N	Acoustic Search Sensors	5	13,311	16,940	13,363	U
95	0604262N	V-22A	5	387,421	402,483	304,164	U
96	0604264N	Air Crew Systems Development	5	7,354	16,183	8,838	U
97	0604269N	EA-18	5			357,502	U

DEPARTMENT OF THE NAVY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
98	0604270N	Electronic Warfare Development	5	88,509	275,422	48,956	U
99	0604273N	VHXX Executive Helo Development	5		195,233	777,398	U
100	0604280N	Joint Tactical Radio System - Navy (JTRS-Navy)	5	19,231	88,601	78,624	U
101	0604300N	SC-21 Total Ship System Engineering	5	668,472	1,052,273	1,431,585	U
102	0604307N	Surface Combatant Combat System Engineering	5	331,213	213,470	146,463	U
103	0604311N	LPD-17 Class Systems Integration	5	9,621	8,888	8,988	U
104	0604312N	Tri-Service Standoff Attack Missile	5	16,146	20,901	27,047	U
105	0604329N	Small Diameter Bomb (SDB)	5	100		9,961	U
106	0604366N	Standard Missile Improvements	5	24,244	81,014	99,022	U
107	0604373N	Airborne MCM	5	73,600	90,981	50,514	U
108	0604503N	SSN-688 and Trident Modernization	5	120,050	76,997	75,359	U
109	0604504N	Air Control	5	5,904	10,355	13,102	U
110	0604507N	Enhanced Modular Signal Processor	5	501	994	1,075	U
111	0604512N	Shipboard Aviation Systems	5	24,311	23,586	28,631	U
112	0604518N	Combat Information Center Conversion	5		13,093	8,228	U
113	0604558N	New Design SSN	5	234,592	144,576	143,270	U
114	0604561N	SSN-21 Developments	5	15,957	23,827	3,020	U
115	0604562N	Submarine Tactical Warfare System	5	24,445	32,354	43,404	U
116	0604567N	Ship Contract Design/ Live Fire T&E	5	196,697	134,061	130,908	U
117	0604574N	Navy Tactical Computer Resources	5	15,377	12,521	2,381	U
118	0604601N	Mine Development	5	1,455	1,480	6,123	U

DEPARTMENT OF THE NAVY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
119	0604603N	Unguided Conventional Air-Launched Weapons	5	13,415	12,065		U
120	0604610N	Lightweight Torpedo Development	5	18,745	6,173	9,965	U
121	0604618N	Joint Direct Attack Munition	5	46,904			U
122	0604654N	Joint Service Explosive Ordnance Development	5	7,295	8,046	8,081	U
123	0604703N	Personnel, Training, Simulation, and Human Factors	5	1,383	1,919	3,005	U
124	0604710N	Navy Energy Program	5	6,641			U
125	0604721N	Battle Group Passive Horizon Extension System	5	16,849	16,743	17,981	U
126	0604727N	Joint Standoff Weapon Systems	5	16,685	4,969	9,531	U
127	0604755N	Ship Self Defense (Detect & Control)	5	60,138	42,237	48,154	U
128	0604756N	Ship Self Defense (Engage: Hard Kill)	5	26,120	24,300	51,213	U
129	0604757N	Ship Self Defense (Engage: Soft Kill/EW)	5	42,818	53,506	28,233	U
130	0604771N	Medical Development	5	65,421	66,788	6,942	U
131	0604777N	Navigation/ID System	5	45,080	45,168	28,104	U
132	0604784N	Distributed Surveillance System	5	37,591	32,907	7,776	U
133	0604800N	Joint Strike Fighter (JSF)	5	1,661,509	2,159,197	2,264,507	U
134	0604910N	Smart Card	5	623	546	695	U
135	0605013M	Information Technology Development	5	18,060	10,063	9,301	U
136	0605013N	Information Technology Development	5	69,827	65,622	109,543	U
137	0605014N	Defense Integrated Military Human Resources System (DIMHRS) - RDT&E	5	51,788	75,441		U

DEPARTMENT OF THE NAVY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
138	0605500N	Multi-mission Maritime Aircraft (MMA)	5	65,615	71,413	496,029	U
139	0508713N	Navy Standard Integrated Personnel System (NSIPS)	5	8,553	4,600		U
		System Development & Demonstration		**5,184,832**	**6,359,897**	**8,008,517**	
140	0604256N	Threat Simulator Development	6	25,725	27,692	23,866	U
141	0604258N	Target Systems Development	6	45,856	37,219	35,677	U
142	0604759N	Major T&E Investment	6	39,851	44,178	39,787	U
143	0605152N	Studies and Analysis Support - Navy	6	6,042	7,570	2,183	U
144	0605154N	Center for Naval Analyses	6	43,720	37,918	43,982	U
145	0605155N	Fleet Tactical Development	6	2,639	1,984	2,338	U
146	0605502N	Small Business Innovative Research	6	226,342			U
147	0605804N	Technical Information Services	6	18,116	27,270	696	U
148	0605853N	Management, Technical & International Support	6	50,482	30,901	31,407	U
149	0605856N	Strategic Technical Support	6	2,247	3,837	3,493	U
150	0605861N	RDT&E Science and Technology Management	6	59,940	64,162	66,117	U
151	0605862N	RDT&E Instrumentation Modernization	6	12,910	13,402	19,370	U
152	0605863N	RDT&E Ship and Aircraft Support	6	74,262	77,772	81,308	U
153	0605864N	Test and Evaluation Support	6	270,550	256,582	255,926	U
154	0605865N	Operational Test and Evaluation Capability	6	11,355	11,959	13,044	U
155	0605866N	Navy Space and Electronic Warfare (SEW) Support	6	3,082	3,140	2,941	U

DEPARTMENT OF THE NAVY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	S E C
156	0605867N	SEW Surveillance/Reconnaissance Support	6	11,836	11,956	12,160	U
157	0605873M	Marine Corps Program Wide Support	6	26,441	29,297	19,701	U
158	0909999N	Financing for Cancelled Account Adjustments	6	7,978			U
		RDT&E Management Support		**939,374**	**686,839**	**653,996**	
159	0603660N	Advanced Development Projects	7				
160	0603661N	Retract Violet	7				
161	0101221N	Strategic Sub & Weapons System Support	7	38,099	65,454	108,782	U
162	0101224N	SSBN Security Technology Program	7	32,718	37,981	43,408	U
163	0101226N	Submarine Acoustic Warfare Development	7	1,057	5,889	8,453	U
164	0101402N	Navy Strategic Communications	7	14,637	23,035	31,391	U
165	0203761N	Rapid Technology Transition (RTT)	7		9,889	14,630	U
166	0204136N	F/A-18 Squadrons	7	204,131	172,743	134,580	U
167	0204152N	E-2 Squadrons	7	18,878	19,331	6,055	U
168	0204163N	Fleet Telecommunications (Tactical)	7	12,048	23,123	19,784	U
169	0204229N	Tomahawk and Tomahawk Mission Planning Center (TMPC)	7	97,284	76,524	28,776	U
170	0204311N	Integrated Surveillance System	7	25,186	14,117	16,965	U
171	0204413N	Amphibious Tactical Support Units (Displacement Craft)	7	6,106	5,589	2,604	U
172	0204571N	Consolidated Training Systems Development	7	25,974	22,460	21,644	U
173	0204574N	Cryptologic Direct Support	7		1,448	1,460	U

DEPARTMENT OF THE NAVY
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
174	0204575N	Electronic Warfare (EW) Readiness Support	7	25,906	11,794	12,139	U
175	0205601N	HARM Improvement	7	58,793	51,601	163,371	U
176	0205604N	Tactical Data Links	7	40,024	43,971	18,977	U
177	0205620N	Surface ASW Combat System Integration	7	36,065	23,118	10,612	U
178	0205632N	MK-48 ADCAP	7	21,323	17,036	21,620	U
179	0205633N	Aviation Improvements	7	38,878	68,552	62,635	U
180	0205658N	Navy Science Assistance Program	7	15,459	7,098	3,821	U
181	0205675N	Operational Nuclear Power Systems	7	55,430	62,052	64,554	U
182	0206313M	Marine Corps Communications Systems	7	197,524	247,179	268,638	U
183	0206623M	Marine Corps Ground Combat/ Supporting Arms Systems	7	37,552	41,960	44,828	U
184	0206624M	Marine Corps Combat Services Support	7	16,682	20,493	10,731	U
185	0207161N	Tactical AIM Missiles	7	2,812	2,236	4,061	U
186	0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	7,650	8,973	9,085	U
187	0301303N	Maritime Intelligence	7				
188	0301323N	Collection Management	7				
189	0301327N	Technical Reconnaissance and Surveillance	7				
190	0303109N	Satellite Communications (SPACE)	7	110,463	267,665	573,092	U
191	0303140N	Information Systems Security Program	7	25,733	25,366	18,676	U
192	0304111N	Special Activities	7				
193	0305149N	COBRA JUDY	7	50,510	68,583	80,694	U

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
194	0305160N	Navy Meteorological and Ocean Sensors-Space (METOC)	7	21,833	7,878	4,215	U
195	0305188N	Joint C4ISR Battle Center (JBC)	7	29,371	44,865	43,569	U
196	0305192N	Joint Military Intelligence Programs	7	6,971	5,246	4,746	U
197	0305204N	Tactical Unmanned Aerial Vehicles (JMIP)	7	253,844	85,713	53,439	U
198	0305205N	Endurance Unmanned Aerial Vehicles	7		100,212	113,438	U
199	0305206N	Airborne Reconnaissance Systems	7	16,171	26,989	10,191	U
200	0305207N	Manned Reconnaissance Systems (JMIP)	7	22,505	16,521	20,203	U
201	0305208N	Distributed Common Ground/Surface Systems	7	8,518	8,818	3,635	U
202	0305927N	Naval Space Surveillance	7	5,017			U
203	0307207N	Aerial Common Sensor (ACS) (JMIP)	7			24,909	U
204	0308601N	Modeling and Simulation Support	7	9,455	13,475	7,262	U
205	0702207N	Depot Maintenance (Non-IF)	7	12,839	8,972		U
206	0708011N	Industrial Preparedness	7	71,704	64,270	56,565	U
207	0708730N	Maritime Technology (MARITECH)	7	11,613	14,504	10,265	U
		Operational Systems Development		**2,917,062**	**2,898,174**	**3,161,988**	
		Total Research, Development, Test & Eval, Navy		**13,699,864**	**14,969,495**	**16,346,391**	

DEPARTMENT OF THE AIR FORCE

FY 2005 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

FEB 2004

Summary Recap of Budget Activities	**FY 2003**	**FY 2004**	**FY 2005**
Basic Research	211,559	331,171	345,500
Applied Research	824,951	896,694	786,180
Advanced Technology Development	700,364	1,093,020	786,994
Advanced Component Development & Prototypes	1,429,066	2,032,666	2,384,536
System Development & Demonstration	4,381,477	4,543,591	4,708,025
RDT&E Management Support	921,213	638,682	747,114
Operational Systems Development	10,465,945	10,757,771	11,356,318
Total Research, Development, Test & Eval, AF	**18,934,575**	**20,293,595**	**21,114,667**

Summary Recap of FYDP Programs			
Strategic Forces	107,691	111,041	101,161
General Purpose Forces	2,381,718	2,727,002	3,518,983
Intelligence and Communications	7,250,372	7,165,450	7,853,765
Mobility Forces	642,828	770,491	835,980
Research and Development	8,376,099	9,310,187	8,583,180
Central Supply and Maintenance	117,505	141,549	91,277
Training Medical and Other	299	3,230	3,372
Administration and Associated Activities	54,423	60,811	123,004
Support of Other Nations	3,640	3,834	3,945
Total Research, Development, Test & Eval, AF	**18,934,575**	**20,293,595**	**21,114,667**

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
1	0601102F	Defense Research Sciences	1	211,559	212,897	217,304	U
2	0601103F	University Research Initiatives	1		106,313	115,865	U
3	0601108F	High Energy Laser Research Initiatives	1		11,961	12,331	U
	Basic Research			**211,559**	**331,171**	**345,500**	
4	0602102F	Materials	2	105,237	109,222	73,660	U
5	0602201F	Aerospace Vehicle Technologies	2	75,067	64,311	74,679	U
6	0602202F	Human Effectiveness Applied Research	2	75,229	87,143	71,483	U
7	0602203F	Aerospace Propulsion	2	135,403	126,988	92,650	U
8	0602204F	Aerospace Sensors	2	77,172	86,405	78,804	U
9	0602500F	Multi-disciplinary Space Technology	2	95,779	101,360	84,581	U
10	0602601F	Space Technology	2	74,889	101,539	88,909	U
11	0602602F	Conventional Munitions	2	62,802	46,061	52,251	U
12	0602605F	Directed Energy Technology	2	35,661	42,077	36,532	U
13	0602702F	Command Control and Communications	2	77,637	79,594	82,147	U
14	0602805F	Dual Use Science and Technology Program	2	10,075	10,496	5,151	U
15	0602890F	High Energy Laser Research	2		41,498	45,333	U
	Applied Research			**824,951**	**896,694**	**786,180**	
16	0603112F	Advanced Materials for Weapon Systems	3	39,746	61,948	34,284	U
17	0603203F	Advanced Aerospace Sensors	3	50,988	41,124	30,634	U
18	0603205F	Flight Vehicle Technology	3	3,463	992		U
19	0603211F	Aerospace Technology Dev/Demo	3	27,767	47,610	29,145	U

DEPARTMENT OF THE AIR FORCE
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
20	0603216F	Aerospace Propulsion and Power Technology	3	84,067	93,425	79,914	U
21	0603231F	Crew Systems and Personnel Protection Technology	3	37,959	42,822	32,794	U
22	0603270F	Electronic Combat Technology	3	24,000	34,597	28,282	U
23	0603311F	Ballistic Missile Technology	3	12,795	11,402		U
24	0603333F	Unmanned Air Vehicle Dev/Demo	3	16,719			U
25	0603401F	Advanced Spacecraft Technology	3	52,424	96,912	60,124	U
26	0603444F	Maui Space Surveillance System (MSSS)	3	47,130	51,581	6,306	U
27	0603500F	Multi-disciplinary Advanced Development Space Technology	3	51,688	62,077	51,114	U
28	0603601F	Conventional Weapons Technology	3	45,070	37,198	22,398	U
29	0603605F	Advanced Weapons Technology	3	71,649	61,221	31,103	U
30	0603723F	Environmental Engineering Technology	3	1,152	1,190		U
31	0603789F	C3I Advanced Development	3	43,160	44,917	28,524	U
32	0603801F	Special Programs	3	90,587	363,861	320,503	U
33	0603850F	Integrated Broadcast Service	3		8,464	2,294	U
34	0603924F	High Energy Laser Advanced Technology Program	3		10,818	8,547	U
35	0207423F	Advanced Communications Systems	3		11,951	12,051	U
36	0401840F	AMC Command and Control System	3		5,995	6,038	U
37	0804757F	Joint National Training Center	3		2,915	2,939	U
				----------	----------	----------	
	Advanced Technology Development			**700,364**	**1,093,020**	**786,994**	
38	0603260F	Intelligence Advanced Development	4	7,144	4,453	4,612	U
39	0603287F	Physical Security Equipment	4		24,275	22,640	U

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FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
40	0603421F	NAVSTAR Global Positioning System III	4	46,633		40,568	U
41	0603430F	Advanced EHF MILSATCOM (SPACE)	4	802,648	802,341	612,049	U
42	0603432F	Polar MILSATCOM (SPACE)	4	22,398	5,533	960	U
43	0603434F	National Polar-orbiting Operational Environmental Satellite Sys (SPACE)	4	232,082	264,681		U
44	0603438F	Space Control Technology	4	12,787	14,547	15,046	U
45	0603742F	Combat Identification Technology	4	11,580	16,434	19,582	U
46	0603790F	NATO Research and Development	4	4,070	3,855	3,930	U
47	0603791F	International Space Cooperative R&D	4	614	540	552	U
48	0603845F	Transformational SATCOM (TSAT)	4	111,485	335,430	774,836	U
49	0603850F	Integrated Broadcast Service	4	38,390	16,229	23,927	U
50	0603851F	Intercontinental Ballistic Missile	4	56,741	60,117	72,503	U
51	0603854F	Wideband Gapfiller System RDT&E (Space)	4	13,801	36,271	73,499	U
52	0603856F	Air Force/National Program Cooperation (AFNPC)	4	2,341			U
53	0603858F	Space-Based Radar	4	45,402	172,625	327,732	U
54	0603859F	Pollution Prevention	4	3,527	4,777	2,692	U
55	0603860F	Joint Precision Approach and Landing Systems	4	10,470	13,621	18,385	U
56	0604015F	Next Generation Bomber	4		44,618		U
57	0604327F	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	4	6,953	9,551	6,383	U
58	0604731F	Unmanned Combat Air Vehicle (UCAV)	4		159,899		U
59	0604855F	Operationally Responsive Launch	4		25,844	35,362	U

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	S E C
60	0604856F	Common Aero Vehicle (CAV)	4		17,025	21,610	U
61	0305178F	National Polar-Orbiting Operational Environmental Satellite System (NPOESS)	4			307,668	U
		Advanced Component Development & Prototypes		**1,429,066**	**2,032,666**	**2,384,536**	
62	0603840F	Global Broadcast Service (GBS)	5	20,910	37,823	33,447	U
63	0604012F	Joint Helmet Mounted Cueing System (JHMCS)	5	1,753	836	2,867	U
64	0604222F	Nuclear Weapons Support	5	13,091	13,244	13,301	U
65	0604226F	B-1B	5	150,427	87,933	59,462	U
66	0604233F	Specialized Undergraduate Flight Training	5	1,772	3,239	3,359	U
67	0604239F	F-22	5	843,999	615,467	210,000	U
68	0604240F	B-2 Advanced Technology Bomber	5	232,151	165,920	245,049	U
69	0604270F	Electronic Warfare Development	5	68,781	97,004	138,393	U
70	0604280F	Joint Tactical Radio	5	13,667	38,096	49,856	U
71	0604287F	Physical Security Equipment	5		7,199	9,744	U
72	0604329F	Small Diameter Bomb (SDB)	5	56,292	125,373	76,489	U
73	0604421F	Counterspace Systems	5	37,077	81,629	75,863	U
74	0604435F	Advanced Polar MILSATCOM	5		13,584		U
75	0604441F	Space Based Infrared System (SBIRS) High EMD	5	775,346	610,230	508,448	U
76	0604479F	Milstar LDR/MDR Satellite Communications (SPACE)	5	148,291	1,367	1,380	U
77	0604600F	Munitions Dispenser Development	5	3,363	17,499	28,048	U
78	0604602F	Armament/Ordnance Development	5	8,530	8,347	8,353	U
79	0604604F	Submunitions	5	4,376	4,677	4,824	U

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
80	0604617F	Agile Combat Support	5	7,870	13,360	10,053	U
81	0604618F	Joint Direct Attack Munition	5	17,021	35,159		U
82	0604706F	Life Support Systems	5	9,982	5,026	6,630	U
83	0604731F	Unmanned Combat Air Vehicle (UCAV)	5	37,541	14,550		U
84	0604735F	Combat Training Ranges	5	15,244	24,077	18,714	U
85	0604740F	Integrated Command & Control Applications (IC2A)	5	12,573	11,105	258	U
86	0604750F	Intelligence Equipment	5	1,277	2,290	1,349	U
87	0604754F	Tactical Data Link Infrastructure	5		14,550		U
88	0604762F	Common Low Observables Verification System (CLOVerS)	5	4,695	6,941	10,303	U
89	0604800F	Joint Strike Fighter (JSF)	5	1,612,826	2,092,547	2,307,420	U
90	0604851F	Intercontinental Ballistic Missile	5	119,689	172,713	91,687	U
91	0604853F	Evolved Expendable Launch Vehicle Program (SPACE)	5	55,782	7,909	27,000	U
92	0605011F	RDT&E for Aging Aircraft	5	32,081	40,615	15,665	U
93	0207131F	A-10 Squadrons	5		13,881		U
94	0207256F	Unmanned Combat Air Vehicle Joint Program Office	5		2,372	2,911	U
95	0207434F	Link-16 Support and Sustainment	5	50,535	70,481	141,012	U
96	0207443F	Family of Interoperable Operational Pictures (FIOP)	5			44,947	U
97	0207450F	Multi-Sensor C2 Aircraft (MC2A)	5			538,860	U
98	0207701F	Full Combat Mission Training	5	3,585	6,887	5,894	U
99	0305176F	Combat Survivor Evader Locator	5	13,214	14,517		U

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
100	0401318F	CV-22	5	7,736	65,144	16,439	U
		System Development & Demonstration		**4,381,477**	**4,543,591**	**4,708,025**	
101	0604256F	Threat Simulator Development	6	28,836	36,283	34,517	U
102	0604759F	Major T&E Investment	6	58,331	60,992	58,933	U
103	0605101F	RAND Project Air Force	6	29,460	24,377	24,970	U
104	0605306F	Ranch Hand II Epidemiology Study	6	10,074	4,652	4,813	U
105	0605502F	Small Business Innovation Research	6	274,413			U
106	0605712F	Initial Operational Test & Evaluation	6	36,320	34,343	28,839	U
107	0605807F	Test and Evaluation Support	6	382,938	326,918	356,266	U
108	0605860F	Rocket Systems Launch Program (SPACE)	6	28,731	22,976	7,984	U
109	0605864F	Space Test Program (STP)	6	46,175	38,579	44,521	U
110	0605976F	Facilities Restoration and Modernization - Test and Evaluation Support	6		33,652	58,936	U
111	0605978F	Facilities Sustainment - Test and Evaluation Support	6		15,636	23,067	U
112	0804731F	General Skill Training	6	299	315	323	U
113	0909900F	Financing for Expired Account Adjustments	6	1,996			U
114	0909980F	Judgment Fund Reimbursement	6	20,000	36,125	100,000	U
115	1001004F	International Activities	6	3,640	3,834	3,945	U
		RDT&E Management Support		**921,213**	**638,682**	**747,114**	
116	0605024F	Anti-Tamper Technology Executive Agency	7	8,474	8,780	7,858	U
117	0101113F	B-52 Squadrons	7	52,001	28,406	25,766	U

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Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
118	0101120F	Advanced Cruise Missile	7	2,562	13,212	7,740	U
119	0101122F	Air-Launched Cruise Missile (ALCM)	7	19,400	29,466	11,837	U
120	0101313F	Strat War Planning System - USSTRATCOM	7	1,625	1,724	23,391	U
121	0101314F	Night Fist - USSTRATCOM	7			4,987	U
122	0101815F	Advanced Strategic Programs	7	5,817	6,048	8,393	U
123	0102326F	Region/Sector Operation Control Center Modernization Program	7	26,286	32,185	19,047	U
124	0203761F	Warfighter Rapid Acquisition Process (WRAP) Rapid Transition Fund	7	27,029		24,935	U
125	0207028F	Joint Expeditionary Force Experiment	7	25,533	50,931		U
126	0207131F	A-10 Squadrons	7	10,960	29,476	22,590	U
127	0207133F	F-16 Squadrons	7	77,627	96,135	99,606	U
128	0207134F	F-15E Squadrons	7	70,749	122,436	115,246	U
129	0207136F	Manned Destructive Suppression	7	21,821	20,458	16,976	U
130	0207138F	F/A-22 Squadrons	7	65,422	313,101	354,528	U
131	0207141F	F-117A Squadrons	7	3,710	14,627	29,661	U
132	0207161F	Tactical AIM Missiles	7	2,785	372	5,558	U
133	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	39,334	32,154	33,266	U
134	0207224F	Combat Rescue and Recovery	7			12,342	U
135	0207247F	AF TENCAP	7	14,157	18,818	10,673	U
136	0207248F	Special Evaluation Program	7	139,200	192,582	199,040	U
137	0207253F	Compass Call	7	8,786	8,706	3,990	U

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

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Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
138	0207268F	Aircraft Engine Component Improvement Program	7	174,205	178,582	165,609	U
139	0207277F	CSAF Innovation Program	7	1,671	2,856	1,879	U
140	0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	7	48,633	25,498	45,777	U
141	0207410F	Air & Space Operations Center (AOC)	7	68,890	27,513	27,695	U
142	0207412F	Control and Reporting Center (CRC)	7	6,099	15,868	11,634	U
143	0207417F	Airborne Warning and Control System (AWACS)	7	163,725	267,846	288,787	U
144	0207423F	Advanced Communications Systems	7	27,326	12,208	20,066	U
145	0207424F	Evaluation and Analysis Program	7	227,032			U
146	0207433F	Advanced Program Technology	7	100,048	263,671	249,391	U
147	0207438F	Theater Battle Management (TBM) C4I	7	33,304	32,505	37,210	U
148	0207445F	Fighter Tactical Data Link	7	28,955	42,318	50,976	U
149	0207446F	Bomber Tactical Data Link	7		12,849	120,256	U
150	0207448F	C2ISR Tactical Data Link	7		26,503	25,441	U
151	0207449F	Command and Control (C2) Constellation	7	337,764	360,051	44,035	U
152	0207581F	Joint Surveillance/Target Attack Radar System (JSTARS)	7	62,103	57,760	89,247	U
153	0207590F	Seek Eagle	7	16,080	19,421	23,159	U
154	0207591F	Advanced Program Evaluation	7	242,161	292,478	474,734	U
155	0207601F	USAF Modeling and Simulation	7	25,540	12,873	18,693	U
156	0207605F	Wargaming and Simulation Centers	7	7,894	7,201	6,377	U
157	0208006F	Mission Planning Systems	7	19,795	51,645	136,701	U

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
158	0208021F	Information Warfare Support	7	8,998	11,988	7,230	U
159	0208160F	Technical Evaluation System	7	181,514			U
160	0208161F	Special Evaluation System	7	38,748			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 HQ - GDIP	7				
166	0302015F	E-4B National Airborne Operations Center (NAOC)	7	47,393	44,000	11,172	U
167	0303110F	Defense Satellite Communications System (SPACE)	7	2,009			U
168	0303131F	Minimum Essential Emergency Communications Network (MEECN)	7	2,253	10,595	33,183	U
169	0303140F	Information Systems Security Program	7	21,659	47,718	79,625	U
170	0303141F	Global Combat Support System	7	25,739	17,239	18,637	U
171	0303150F	Global Command and Control System	7	3,218	3,500	3,611	U
172	0303401F	Communications Security (COMSEC)	7	4,344			U
173	0303601F	MILSATCOM Terminals	7	65,090	171,860	272,149	U
174	0304111F	Special Activities	7				
175	0304311F	Selected Activities	7	147,665	142,801		
176	0305099F	Global Air Traffic Management (GATM)	7	6,961	6,820	7,291	U
177	0305110F	Satellite Control Network (SPACE)	7	16,725	20,468	17,833	U
178	0305111F	Weather Service	7	14,492	16,098	16,526	U

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
179	0305114F	Air Traffic Control, Approach, and Landing System (ATCALS)	7	9,141	10,421	7,371	U
180	0305116F	Aerial Targets	7			5,178	U
181	0305128F	Security and Investigative Activities	7	443	20,300	484	U
182	0305142F	Applied Technology and Integration	7				
183	0305148F	Air Force Tactical Measurement and Signature Intelligence (MASINT) Systems/Progr	7	15,259	7,436	7,905	U
184	0305159F	Defense Reconnaissance Support Activities (SPACE)	7	41,631	95,961	219,345	U
185	0305160F	Defense Meteorological Satellite Program (SPACE)	7	5,031	907		U
186	0305164F	NAVSTAR Global Positioning System (User Equipment) (SPACE)	7	80,500	99,449	104,114	U
187	0305165F	NAVSTAR Global Positioning System (Space and Control Segments)	7	284,036	144,790	148,344	U
188	0305172F	Combined Advanced Applications	7				
189	0305174F	Space Warfare Center	7		401	411	U
190	0305182F	Spacelift Range System (SPACE)	7	90,781	69,908	47,253	U
191	0305191F	Personnel Security Investigations Program - Air Force	7			118,787	U
192	0305193F	Intelligence Support to Information Operations (IO)	7			1,097	U
193	0305202F	Dragon U-2 (JMIP)	7	24,101	46,599	87,745	U
194	0305205F	Endurance Unmanned Aerial Vehicles	7	352,679	401,413		U
195	0305206F	Airborne Reconnaissance Systems	7	64,380	77,930	55,464	U
196	0305207F	Manned Reconnaissance Systems	7	8,357	15,682	13,283	U

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Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
197	0305208F	Distributed Common Ground/Surface Systems	7	30,885	27,772	21,232	U
198	0305219F	Predator UAV (JMIP)	7			81,346	U
199	0305220F	Global Hawk UAV (JMIP)	7			336,159	U
200	0305887F	Intelligence Support to Information Warfare	7			963	U
201	0305906F	NCMC - TW/AA System	7	14,600	57,107	64,822	U
202	0305910F	SPACETRACK (SPACE)	7	20,289	104,694	161,838	U
203	0305911F	Defense Support Program (SPACE)	7	1,935			U
204	0305913F	NUDET Detection System (SPACE)	7	20,754	35,428	35,398	U
205	0305917F	Space Architect	7		12,446	12,907	U
206	0308601F	Modeling and Simulation Support	7	1,936			U
207	0308699F	Shared Early Warning (SEW)	7	3,604	3,210	3,345	U
208	0401115F	C-130 Airlift Squadron	7	130,279	104,486	150,242	U
209	0401119F	C-5 Airlift Squadrons (IF)	7	273,750	346,541	332,982	U
210	0401130F	C-17 Aircraft (IF)	7	155,805	183,913	199,692	U
211	0401132F	C-130J Program	7	1,890	13,436	36,305	U
212	0401134F	Large Aircraft IR Countermeasures (LAIRCM)	7	51,311	45,543	73,684	U
213	0401218F	KC-135s	7	1,908	3,147	1,079	U
214	0401219F	KC-10s	7	20,149	2,286	18,452	U
215	0408011F	Special Tactics / Combat Control	7			1,067	U
216	0702207F	Depot Maintenance (Non-IF)	7	2,209	1,394	1,431	U
217	0702806F	Acquisition and Management Support	7			1,596	U
218	0708011F	Industrial Preparedness	7	45,340	57,007	38,012	U

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Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
219	0708012F	Logistics Support Activities	7	8,718	1,381		U
220	0708026F	Productivity, Reliability, Availability, Maintain. Prog Ofc (PRAMPO)	7	9,154	8,924		U
221	0708611F	Support Systems Development	7	50,035	72,843	50,238	U
222	0708612F	Computer Resources Support Improvement Program (CRSIP)	7	2,049			U
223	0808716F	Other Personnel Activities	7			110	U
224	0901212F	Service-Wide Support (Not Otherwise Accounted For)	7	3,687	4,333		U
225	0901218F	Civilian Compensation Program	7	14,189	7,069	7,272	U
226	0901538F	Financial Management Information Systems Development	7	14,551	13,284	15,732	U
		Operational Systems Development		**10,465,945**	**10,757,771**	**11,356,318**	
		Total Research, Development, Test & Eval, AF		**18,934,575**	**20,293,595**	**21,114,667**	

DEFENSE-WIDE

FY 2005 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

FEB 2004

Summary Recap of Budget Activities	**FY 2003**	**FY 2004**	**FY 2005**
Basic Research	508,190	207,088	190,088
Applied Research	1,813,154	1,762,980	1,876,306
Advanced Technology Development	2,472,793	2,933,712	3,047,451
Advanced Component Development & Prototypes	5,602,802	7,544,878	9,429,174
System Development & Demonstration	1,395,367	335,261	424,870
RDT&E Management Support	1,000,827	769,218	711,326
Operational Systems Development	5,045,582	5,373,561	5,060,622
Total Research, Development, Test & Eval, DW	**17,838,715**	**18,926,698**	**20,739,837**

Summary Recap of FYDP Programs			
General Purpose Forces	53,205	51,699	48,314
Intelligence and Communications	4,528,123	4,797,538	4,623,088
Research and Development	12,685,387	13,259,016	15,369,544
Central Supply and Maintenance	48,923	81,272	22,394
Administration and Associated Activities	61,167	141,944	187,400
Support of Other Nations		24,363	30,399
Special Operations Forces	461,910	570,866	458,698
Total Research, Development, Test & Eval, DW	**17,838,715**	**18,926,698**	**20,739,837**

DEFENSE-WIDE

FY 2005 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

FEB 2004

Summary Recap of Defensewide	**FY 2003**	**FY 2004**	**FY 2005**
Special Operations Command	484,692	594,630	481,817
Defense Contract Management Agency	14,340	15,638	17,373
Chemical and Biological Defense Program	638,013	705,946	559,901
National Geospatial Intelligence Agency			
Defense Threat Reduction Agency	498,432	398,220	442,292
Counter Intelligence Field Activity			
Missile Defense Agency	6,687,013	7,625,487	9,146,672
Office of Secretary Of Defense	2,340,094	1,945,386	2,332,926
Defense Adv Research Projects Agcy	2,654,979	2,831,456	3,090,279
National Security Agency			
The Joint Staff	109,284	126,715	120,247
Defense Information Systems Agency	263,735	311,991	318,508
Defense Intelligence Agency			
Defense Contract Audit Agency	537		
Defense Logistics Agency	191,875	215,463	59,560
DoD Human Resources Activity	27,896	28,897	76,761
Defense Security Cooperation Agency	2,739	5,840	6,995
Defense Security Service	463		
Total Research, Development, Test & Eval, DW	**17,838,715**	**18,926,698**	**20,739,837**

DEFENSE-WIDE
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
1	0601101D8Z	In-House Laboratory Independent Research	1	2,044			U
2	0601101E	Defense Research Sciences	1	171,383	139,434	143,729	U
3	0601103D8Z	University Research Initiatives	1	232,653			U
4	0601105D8Z	Force Health Protection	1	14,156			U
5	0601108D8Z	High Energy Laser Research Initiatives	1	11,355			U
6	0601111D8Z	Government/Industry Cosponsorship of University Research	1	8,240	6,696		U
7	0601114D8Z	Defense Experimental Program to Stimulate Competitive Research	1	15,197	9,578	9,590	U
8	0601384BP	Chemical and Biological Defense Program	1	53,162	51,380	36,769	U
	Basic Research			**508,190**	**207,088**	**190,088**	
9	0602227D8Z	Medical Free Electron Laser	2	11,609	18,518	9,668	U
10	0602228D8Z	Historically Black Colleges and Universities (HBCU) Science	2	25,306	20,651	14,192	U
11	0602234D8Z	Lincoln Laboratory Research Program	2	26,056	26,830	25,441	U
12	0602301E	Computing Systems and Communications Technology	2	390,607	334,696	342,614	U
13	0602302E	Embedded Software and Pervasive Computing	2	54,870	13,250		U
14	0602383E	Biological Warfare Defense	2	157,861	149,105	147,533	U
15	0602384BP	Chemical and Biological Defense Program	2	170,183	151,372	104,385	U
16	0602702E	Tactical Technology	2	168,826	247,405	339,175	U
17	0602712E	Materials and Electronics Technology	2	414,437	465,450	502,044	U

DEFENSE-WIDE
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
18	0602716BR	WMD Defeat Technology	2	228,827	184,109	249,786	U
19	0602717BR	WMD Defense Technologies	2	115,681	115,497	116,113	U
20	0602787D8Z	Medical Technology	2	6,100	11,641	10,084	U
21	0602890D8Z	High Energy Laser Research	2	42,791			U
22	1160401BB	Special Operations Technology Development	2		19,274	13,109	U
23	1160407BB	SOF Medical Technology Development	2		5,182	2,162	U
	Applied Research			**1,813,154**	**1,762,980**	**1,876,306**	
24	0603002D8Z	Medical Advanced Technology	3		5,941	2,063	U
25	0603104D8Z	Explosives Demilitarization Technology	3	17,494			U
26	0603121D8Z	SO/LIC Advanced Development	3	18,495	33,605	32,682	U
27	0603122D8Z	Combating Terrorism Technology Support	3	114,374	97,291	46,719	U
28	0603160BR	Counterproliferation Initiatives - Proliferation Prevention and Defeat	3	105,164	90,338	74,456	U
29	0603175C	Ballistic Missile Defense Technology	3	151,217	225,268	204,320	U
30	0603225D8Z	Joint DoD-DoE Munitions Technology Development	3	18,124	24,648	23,319	U
31	0603232D8Z	Automatic Target Recognition	3	4,403			U
32	0603285E	Advanced Aerospace Systems	3	242,095	315,941	361,067	U
33	0603384BP	Chemical and Biological Defense Program - Advanced Development	3	105,700	156,496	117,343	U
34	0603400D8Z	Joint Unmanned Combat Air Systems (J-UCAS) Advanced Technology Development and R	3			284,617	U
35	0603704D8Z	Special Technical Support	3	12,878	13,495		U

DEFENSE-WIDE
FY 2005 RDT&E PROGRAM

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
36	0603711BR	Arms Control Technology	3	42,023	6,438		U
37	0603712S	Generic Logistics R&D Technology Demonstrations	3	130,577	123,111	27,542	U
38	0603716D8Z	Strategic Environmental Research Program	3	50,938	49,883	56,936	U
39	0603727D8Z	Joint Warfighting Program	3	8,850	10,284	9,936	U
40	0603739E	Advanced Electronics Technologies	3	158,847	186,748	218,151	U
41	0603750D8Z	Advanced Concept Technology Demonstrations	3	195,136	218,167	213,901	U
42	0603755D8Z	High Performance Computing Modernization Program	3	185,221	202,492	186,666	U
43	0603760E	Command, Control and Communications Systems	3	115,654	193,562	225,784	U
44	0603762E	Sensor and Guidance Technology	3	216,052	336,658	337,117	U
45	0603763E	Marine Technology	3	26,164	13,751		U
46	0603764E	Land Warfare Technology	3	164,634	81,513	63,121	U
47	0603765E	Classified DARPA Programs	3	261,851	218,192	238,131	U
48	0603766E	Network-Centric Warfare Technology	3		91,226	125,124	U
49	0603769SE	Distributed Learning Advanced Technology Development	3	15,230	13,611	13,756	U
50	0603781D8Z	Software Engineering Institute	3	21,535	22,324	21,599	U
51	0603805S	Dual Use Application Programs	3	5,750	3,710		U
52	0603826D8Z	Quick Reaction Special Projects	3	24,076	46,566	64,389	U
53	0603832D8Z	Joint Wargaming Simulation Management Office	3	45,835	41,735	46,017	U
54	0603924D8Z	High Energy Laser Advanced Technology Program	3	12,793			U
55	0603942D8Z	Technology Link	3		3,547	1,934	U

DEFENSE-WIDE
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
56	0605160D8Z	Counterproliferation Support	3	1,683	1,851	1,958	U
57	1160402BB	Special Operations Advanced Technology Development	3		105,320	48,803	U
		Advanced Technology Development (ATD)		**2,472,793**	**2,933,712**	**3,047,451**	
58	0603228D8Z	Physical Security Equipment	4	46,872	1,183		U
59	0603709D8Z	Joint Robotics Program	4	19,235	15,784	11,771	U
60	0603714D8Z	Advanced Sensor Applications Program	4	16,914	32,983	17,581	U
61	0603736D8Z	CALS Initiative	4	7,362			U
62	0603851D8Z	Environmental Security Technical Certification Program	4	20,091	35,191	32,546	U
63	0603869C	Meads Concepts	4	101,754			U
64	0603879C	Advanced Concepts, Evaluations And Systems	4		149,993	256,159	U
65	0603880C	Ballistic Missile Defense System Segment	4	1,026,566			U
66	0603881C	Ballistic Missile Defense Terminal Defense Segment	4	134,093	874,527	937,748	U
67	0603882C	Ballistic Missile Defense Midcourse Defense Segment	4	3,056,035	3,724,066	4,384,775	U
68	0603883C	Ballistic Missile Defense Boost Defense Segment	4	705,643	617,270	492,614	U
69	0603884BP	Chemical and Biological Defense Program	4	91,567	131,433	104,195	U
70	0603884C	Ballistic Missile Defense Sensors	4	327,013	425,421	591,957	U
71	0603886C	Ballistic Missile Defense System Interceptor	4		117,719	511,262	U
72	0603888C	Ballistic Missile Defense Test & Targets	4		633,782	713,658	U

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FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
73	0603889C	Ballistic Missile Defense Products	4		305,309	418,608	U
74	0603890C	Ballistic Missile Defense Systems Core	4		445,356	479,764	U
75	0603910D8Z	Strategic Capability Modernization	4	19,461			U
76	0603920D8Z	Humanitarian Demining	4	12,627	13,108	13,747	U
77	0603923D8Z	Coalition Warfare	4	6,545	5,822	5,886	U
78	0604400D8Z	Joint Unmanned Combat Air Systems (J-UCAS) Advanced Component and Prototype Deve	4			422,873	U
79	0604722D8Z	Joint Service Education and Training Systems Development	4	961	987		U
80	0605017D8Z	Reduction Of Total Ownership Cost	4			27,351	U
81	0303191D8Z	Joint Electromagnetic Technology (JET) Program	4	10,063	14,944	6,679	U
		Advanced Component Development & Prototypes		**5,602,802**	**7,544,878**	**9,429,174**	
82	0604384BP	Chemical and Biological Defense Program	5	168,723	176,337	152,379	U
83	0604618D8Z	MANPADS Defense Program	5		2,958	14,135	U
84	0604709D8Z	Joint Robotics Program	5	27,326	21,381	13,845	U
85	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	5	25,480	16,673	18,183	U
86	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	5	10,122	10,478	18,515	U
87	0604861C	Theater High-Altitude Area Defense System - TMD	5	864,216			U
88	0604865C	Patriot PAC-3 Theater Missile Defense Acquisition	5	138,922			U
89	0605013BL	Information Technology Development	5	3,858	10,498	10,683	U
90	0605013D8Z	Prototype Accounting Systems	5	8,889			U

DEFENSE-WIDE
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
91	0605014SE	Information Technology Development	5			52,407	U
92	0605015BL	Information Technology Development-Standard Procurement System (SPS)	5	10,482	5,140	6,690	U
93	0605016D8Z	Financial Management System Improvements	5	67,191	45,098	94,767	U
94	0303129K	Defense Message System	5	11,279	9,662	6,623	U
95	0303140K	Information Systems Security Program	5	18,005	6,688	2,493	U
96	0303141K	Global Combat Support System	5	16,709	16,396	17,867	U
97	0303158K	Joint Command and Control Program (JC2)	5			3,000	U
98	0305840K	Electronic Commerce	5	24,165	7,137	3,466	U
99	0305840S	Electronic Commerce	5		2,335	2,345	U
100	0901200D8Z	BMMP Domain Management and Systems Integration	5		4,480	7,472	U
		System Development and Demonstration (SDD)		**1,395,367**	**335,261**	**424,870**	
101	0603704D8Z	Special Technical Support	6			19,274	U
102	0603757D8Z	Training Transformation (T2)	6		2,909		U
103	0603835D8Z	Transformation Initiatives Program	6			9,977	U
104	0603858D8Z	Unexploded Ordnance Detection and Clearance	6	1,109			U
105	0604774D8Z	Defense Readiness Reporting System (DRRS)	6		15,336	19,691	U
106	0604875D8Z	Joint Systems Architecture Development	6			4,989	U
107	0604943D8Z	Thermal Vicar	6	6,949	7,053	7,263	U
108	0605104D8Z	Technical Studies, Support and Analysis	6	29,465	29,762	30,618	U

DEFENSE-WIDE
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
109	0605110BR	Critical Technology Support	6	1,823	1,838	1,937	U
110	0605114D8Z	BLACK LIGHT	6	14,547	19,388	21,535	U
111	0605116D8Z	General Support to C3I	6	21,853	25,529		U
112	0605117D8Z	Foreign Material Acquisition and Exploitation	6	23,422	33,421	35,572	U
113	0605123D8Z	Interagency Export License Automation	6	862	7,718	5,882	U
114	0605124D8Z	Defense Travel System	6	30,353	31,342	28,508	U
115	0605126J	Joint Theater Air and Missile Defense Organization	6	74,905	85,078	86,409	U
116	0605128D8Z	Classified Program USD(P)	6	186,192	145,835		U
117	0605130D8Z	Foreign Comparative Testing	6	29,319	36,464	35,633	U
118	0605170D8Z	Support to Networks and Information Integration	6			11,490	U
119	0605200D8Z	General Support to USD (Intelligence)	6			4,830	U
120	0605384BP	Chemical and Biological Defense Program	6	48,678	38,928	42,652	U
121	0605502BR	Small Business Innovation Research	6	4,914			U
122	0605502C	Small Business Innovative Research - MDA	6	138,791			U
123	0605502D8Z	Small Business Innovative Research	6	37,539			U
124	0605502E	Small Business Innovative Research	6	64,848			U
125	0605710D8Z	Classified Programs - C3I	6	75,066	41,541		U
126	0605790D8Z	Small Business Innovation Research/Challenge Administration	6	1,965	1,997	1,999	U
127	0605798S	Defense Technology Analysis	6	6,625	5,035	7,279	U
128	0605799D8Z	Force Transformation Directorate	6	9,416	19,388	19,591	U

DEFENSE-WIDE
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
129	0605801K	Defense Technical Information Services (DTIC)	6	42,963	43,494	45,203	U
130	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	6	12,666	15,286	10,598	U
131	0605804D8Z	Development Test and Evaluation	6	46,944	8,808	8,882	U
132	0605898E	Management HQ - R&D	6	44,850	44,525	46,689	U
133	0303169D8Z	Information Technology Rapid Acquisition	6			19,958	U
134	0305193D8Z	Intelligence Support to Information Operations (IO)	6			12,878	U
135	0305193G	Intelligence Support to Information Operations (IO)	6				
136	0901585C	Pentagon Reservation	6	7,432	14,327	13,884	U
137	0901598C	Management HQ - MDA	6	35,331	92,449	141,923	U
138	0901598D8W	IT Software Dev Initiatives	6		1,767	1,700	U
139	0909999E	Financing for Cancelled Account Adjustments	6	2,000			U
	RDT&E Management Support			**1,000,827**	**769,218**	**711,326**	
140	0604805D8Z	Commercial Operations and Support Savings Initiative	7	14,499			U
141	0605127T	Partnership for Peace (PfP) Information Management System	7	2,739	5,840	6,995	U
142	0607384BP	Chemical and Biological Defense (Operational Systems Development)	7			2,178	U
143	0208043J	Classified Programs	7		1,448	1,663	U
144	0208045K	C4I Interoperability	7	44,696	43,122	41,074	U
145	0208052J	Joint Analytical Model Improvement Program	7	8,509	7,129	5,577	U
146	0300205R	Information Technology Systems	7	537			U

DEFENSE-WIDE
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
147	0301011G	Cryptologic Activities	7				
148	0301301L	General Defense Intelligence Program	7				
149	0301318BB	HUMINT (Controlled)	7				
150	0301398L	Management HQ - GDIP	7				
151	0301555BB	CLASSIFIED PROGRAMS	7				
152	0301556BB	SPECIAL PROGRAM	7				
153	0302016K	National Military Command System-Wide Support	7	1,016	1,116	1,240	U
154	0302019K	Defense Info Infrastructure Engineering and Integration	7	6,802	2,423	2,517	U
155	0303126K	Long-Haul Communications - DCS	7	1,602	1,380	11,401	U
156	0303127K	Support of the National Communications System	7	4,275			U
157	0303131K	Minimum Essential Emergency Communications Network (MEECN)	7	7,641	7,089	7,261	U
158	0303140D8Z	Information Systems Security Program	7		14,576	11,135	U
159	0303140G	Information Systems Security Program	7	473,128	477,791	477,846	U
160	0303149J	C4I for the Warrior	7	9,466	4,139	4,177	U
161	0303149K	C4I for the Warrior	7	19,103	36,489	24,712	U
162	0303150K	Global Command and Control System	7	17,421	50,400	43,693	U
163	0303153K	Joint Spectrum Center	7	15,667	16,565	18,941	U
164	0303165K	Defense Collaboration Tool Suite (DCTS)	7		12,689	8,503	U
165	0303170K	Net-Centric Enterprise Services (NCES)	7		30,364	52,059	U

DEFENSE-WIDE
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	S E C
166	0303610K	Teleport Program	7	6,911	10,304	10,272	U
167	0304210BB	Special Applications for Contingencies	7	22,782	23,764	20,758	U
168	0304345BQ	National Imagery and Mapping Program	7				
169	0305102BQ	Defense Imagery and Mapping Program	7				
170	0305125D8Z	Critical Infrastructure Protection (CIP)	7		2,023	28,021	U
171	0305127BZ	Foreign Counterintelligence Activities	7				
172	0305127V	Foreign Counterintelligence Activities	7	463			U
173	0305146BZ	Defense Joint Counterintelligence Program (JMIP)	7	23,035	105,462	32,939	U
174	0305146D8Z	Defense Joint Counterintelligence Program (JMIP)	7	66,500	30,312		U
175	0305183L	Defense Human Intelligence (HUMINT) Program (DHIP)	7				
176	0305190D8Z	C3I Intelligence Programs	7	106,672	130,178		U
177	0305191D8Z	Technology Development	7	225,789	245,536		U
178	0305193G	Intelligence Support to Information Operations (IO)	7				
179	0305193L	Intelligence Support to Information Operations (IO)	7				
180	0305199D8Z	Net Centricity	7			214,222	U
181	0305202G	Dragon U-2 (JMIP)	7				
182	0305206G	Airborne Reconnaissance Systems	7				
183	0305207G	Manned Reconnaissance Systems	7				

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EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
184	0305208BQ	Distributed Common Ground/Surface Systems	7				
185	0305208G	Distributed Common Ground/Surface Systems	7				
186	0305208L	Distributed Common Ground/Surface Systems	7				
187	0305883L	Hard and Deeply Buried Target (HDBT) Intel Support	7				
188	0305884L	Intelligence Planning and Review Activities	7				
189	0305885G	Tactical Cryptologic Activities	7				
190	0305889G	Counterdrug Intelligence Support	7				
191	0305917D8Z	National Security Space Architect (NSSA)	7	10,632			U
192	0708011S	Industrial Preparedness	7	20,741	45,871	11,005	U
193	0708012S	Logistics Support Activities	7	28,182	35,401	11,389	U
194	0902298J	Management Headquarters (JCS)	7	16,404	28,921	22,421	U
195	1001018D8Z	NATO Joint STARS	7		24,363	30,399	U
196	1160279BB	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	7	11,546	13,498		U
197	1160401BB	Special Operations Technology Development	7	17,914			U
198	1160402BB	Special Operations Advanced Technology Development	7	80,719			U
199	1160404BB	Special Operations Tactical Systems Development	7	254,842	298,825	311,966	U
200	1160405BB	Special Operations Intelligence Systems Development	7	6,670	47,084	25,015	U
201	1160407BB	SOF Medical Technology Development	7	3,317			U

DEFENSE-WIDE
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
202	1160408BB	SOF Operational Enhancements	7	86,902	81,683	57,643	U
		Operational Systems Development		**5,045,582**	**5,373,561**	**5,060,622**	
		Total Research, Development, Test & Eval, DW		**17,838,715**	**18,926,698**	**20,739,837**	

DEFENSE-WIDE

FY 2005 RDT&E PROGRAM

SUMMARY
($ IN THOUSANDS)

Summary Recap of Budget Activities	**FY 2003**	**FY 2004**	**FY 2005**
Advanced Technology Development	8,571	12,804	16,295
RDT&E Management Support	231,008	289,276	288,840
Total Operational Test & Eval, Defense	**239,579**	**302,080**	**305,135**

Summary Recap of FYDP Programs			
Research and Development	239,579	302,080	305,135
Total Operational Test & Eval, Defense	**239,579**	**302,080**	**305,135**

DEFENSE-WIDE
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0460D Operational Test & Eval, Defense

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
1	0603941D8Z	Test & Evaluation Science & Technology	3	8,571	12,804	16,295	U
	Advanced Technology Development			**8,571**	**12,804**	**16,295**	
2	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	6	124,319	136,168	123,562	U
3	0605118D8Z	Operational Test and Evaluation	6	27,472	37,006	42,390	U
4	0605131D8Z	Live Fire Testing	6	15,791	11,721	10,209	U
5	0605804D8Z	Development Test and Evaluation	6	63,426	104,381	112,679	U
	RDT&E Management Support			**231,008**	**289,276**	**288,840**	
	Total Operational Test & Eval, Defense			**239,579**	**302,080**	**305,135**	

Special Operations Command
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
22	1160401BB	Special Operations Technology Development	2		19,274	13,109	U
23	1160407BB	SOF Medical Technology Development	2		5,182	2,162	U
	Applied Research				**24,456**	**15,271**	
57	1160402BB	Special Operations Advanced Technology Development	3		105,320	48,803	U
	Advanced Technology Development (ATD)				**105,320**	**48,803**	
149	0301318BB	HUMINT (Controlled)	7				
151	0301555BB	CLASSIFIED PROGRAMS	7				
152	0301556BB	SPECIAL PROGRAM	7				
167	0304210BB	Special Applications for Contingencies	7	22,782	23,764	20,758	U
	Operational Systems Development			22,782	23,764	23,119	
196	1160279BB	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	7	11,546	13,498		U
197	1160401BB	Special Operations Technology Development	7	17,914			U
198	1160402BB	Special Operations Advanced Technology Development	7	80,719			U
199	1160404BB	Special Operations Tactical Systems Development	7	254,842	298,825	311,966	U
200	1160405BB	Special Operations Intelligence Systems Development	7	6,670	47,084	25,015	U
201	1160407BB	SOF Medical Technology Development	7	3,317			U
202	1160408BB	SOF Operational Enhancements	7	86,902	81,683	57,643	U
	Operational Systems Development			**461,910**	**441,090**	**394,624**	
	Total Special Operations Command			**484,692**	**594,630**	**481,817**	

Defense Contract Management Agency
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	S E C
89	0605013BL	Information Technology Development	5	3,858	10,498	10,683	U
92	0605015BL	Information Technology Development-Standard Procurement System (SPS)	5	10,482	5,140	6,690	U
		System Development and Demonstration (SDD)		**14,340**	**15,638**	**17,373**	
		Total Defense Contract Management Agency		**14,340**	**15,638**	**17,373**	

Chemical and Biological Defense Program
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
8	0601384BP	Chemical and Biological Defense Program	1	53,162	51,380	36,769	U
		Basic Research		**53,162**	**51,380**	**36,769**	
15	0602384BP	Chemical and Biological Defense Program	2	170,183	151,372	104,385	U
		Applied Research		**170,183**	**151,372**	**104,385**	
33	0603384BP	Chemical and Biological Defense Program - Advanced Development	3	105,700	156,496	117,343	U
		Advanced Technology Development (ATD)		**105,700**	**156,496**	**117,343**	
69	0603884BP	Chemical and Biological Defense Program	4	91,567	131,433	104,195	U
		Advanced Component Development & Prototypes		**91,567**	**131,433**	**104,195**	
82	0604384BP	Chemical and Biological Defense Program	5	168,723	176,337	152,379	U
		System Development and Demonstration (SDD)		**168,723**	**176,337**	**152,379**	
120	0605384BP	Chemical and Biological Defense Program	6	48,678	38,928	42,652	U
		RDT&E Management Support		**48,678**	**38,928**	**42,652**	
142	0607384BP	Chemical and Biological Defense (Operational Systems Development)	7			2,178	U
		Operational Systems Development				**2,178**	
		Total Chemical and Biological Defense Program		**638,013**	**705,946**	**559,901**	

National Geospatial Intelligence Agency
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
168	0304345BQ	National Imagery and Mapping Program	7				
169	0305102BQ	Defense Imagery and Mapping Program	7				
184	0305208BQ	Distributed Common Ground/Surface Systems	7				
				----------	----------	----------	
		Operational Systems Development					
				----------	----------	----------	
		Total National Geospatial Intelligence Agency					

Defense Threat Reduction Agency
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
18	0602716BR	WMD Defeat Technology	2	228,827	184,109	249,786	U
19	0602717BR	WMD Defense Technologies	2	115,681	115,497	116,113	U
	Applied Research			**344,508**	**299,606**	**365,899**	
28	0603160BR	Counterproliferation Initiatives - Proliferation Prevention and Defeat	3	105,164	90,338	74,456	U
36	0603711BR	Arms Control Technology	3	42,023	6,438		U
	Advanced Technology Development (ATD)			**147,187**	**96,776**	**74,456**	
109	0605110BR	Critical Technology Support	6	1,823	1,838	1,937	U
121	0605502BR	Small Business Innovation Research	6	4,914			U
	RDT&E Management Support			**6,737**	**1,838**	**1,937**	
	Total Defense Threat Reduction Agency			**498,432**	**398,220**	**442,292**	

Counter Intelligence Field Activity
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	S E C
171	0305127BZ	Foreign Counterintelligence Activities	7				
173	0305146BZ	Defense Joint Counterintelligence Program (JMIP)	7	23,035	105,462	32,939	U
				----------	----------	----------	
	Operational Systems Development						
				----------	----------	----------	
	Total Counter Intelligence Field Activity						

Missile Defense Agency
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
29	0603175C	Ballistic Missile Defense Technology	3	151,217	225,268	204,320	U
		Advanced Technology Development (ATD)		**151,217**	**225,268**	**204,320**	
63	0603869C	Meads Concepts	4	101,754			U
64	0603879C	Advanced Concepts, Evaluations And Systems	4		149,993	256,159	U
65	0603880C	Ballistic Missile Defense System Segment	4	1,026,566			U
66	0603881C	Ballistic Missile Defense Terminal Defense Segment	4	134,093	874,527	937,748	U
67	0603882C	Ballistic Missile Defense Midcourse Defense Segment	4	3,056,035	3,724,066	4,384,775	U
68	0603883C	Ballistic Missile Defense Boost Defense Segment	4	705,643	617,270	492,614	U
70	0603884C	Ballistic Missile Defense Sensors	4	327,013	425,421	591,957	U
71	0603886C	Ballistic Missile Defense System Interceptor	4		117,719	511,262	U
72	0603888C	Ballistic Missile Defense Test & Targets	4		633,782	713,658	U
73	0603889C	Ballistic Missile Defense Products	4		305,309	418,608	U
74	0603890C	Ballistic Missile Defense Systems Core	4		445,356	479,764	U
		Advanced Component Development & Prototypes		**5,351,104**	**7,293,443**	**8,786,545**	
87	0604861C	Theater High-Altitude Area Defense System - TMD	5	864,216			U
88	0604865C	Patriot PAC-3 Theater Missile Defense Acquisition	5	138,922			U
		System Development and Demonstration (SDD)		**1,003,138**			

Missile Defense Agency
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
122	0605502C	Small Business Innovative Research - MDA	6	138,791			U
		RDT&E Management Support		**138,791**			
136	0901585C	Pentagon Reservation	6	7,432	14,327	13,884	U
137	0901598C	Management HQ - MDA	6	35,331	92,449	141,923	U
		RDT&E Management Support		**42,763**	**106,776**	**155,807**	
		Total Missile Defense Agency		**6,687,013**	**7,625,487**	**9,146,672**	

Office of Secretary Of Defense
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	S E C
1	0601101D8Z	In-House Laboratory Independent Research	1	2,044			U
3	0601103D8Z	University Research Initiatives	1	232,653			U
4	0601105D8Z	Force Health Protection	1	14,156			U
5	0601108D8Z	High Energy Laser Research Initiatives	1	11,355			U
6	0601111D8Z	Government/Industry Cosponsorship of University Research	1	8,240	6,696		U
7	0601114D8Z	Defense Experimental Program to Stimulate Competitive Research	1	15,197	9,578	9,590	U
	Basic Research			**283,645**	**16,274**	**9,590**	
9	0602227D8Z	Medical Free Electron Laser	2	11,609	18,518	9,668	U
10	0602228D8Z	Historically Black Colleges and Universities (HBCU) Science	2	25,306	20,651	14,192	U
11	0602234D8Z	Lincoln Laboratory Research Program	2	26,056	26,830	25,441	U
20	0602787D8Z	Medical Technology	2	6,100	11,641	10,084	U
21	0602890D8Z	High Energy Laser Research	2	42,791			U
	Applied Research			**111,862**	**77,640**	**59,385**	
24	0603002D8Z	Medical Advanced Technology	3		5,941	2,063	U
25	0603104D8Z	Explosives Demilitarization Technology	3	17,494			U
26	0603121D8Z	SO/LIC Advanced Development	3	18,495	33,605	32,682	U
27	0603122D8Z	Combating Terrorism Technology Support	3	114,374	97,291	46,719	U
30	0603225D8Z	Joint DoD-DoE Munitions Technology Development	3	18,124	24,648	23,319	U
31	0603232D8Z	Automatic Target Recognition	3	4,403			U

Office of Secretary Of Defense
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
34	0603400D8Z	Joint Unmanned Combat Air Systems (J-UCAS) Advanced Technology Development and R	3			284,617	U
35	0603704D8Z	Special Technical Support	3	12,878	13,495		U
38	0603716D8Z	Strategic Environmental Research Program	3	50,938	49,883	56,936	U
39	0603727D8Z	Joint Warfighting Program	3	8,850	10,284	9,936	U
41	0603750D8Z	Advanced Concept Technology Demonstrations	3	195,136	218,167	213,901	U
42	0603755D8Z	High Performance Computing Modernization Program	3	185,221	202,492	186,666	U
50	0603781D8Z	Software Engineering Institute	3	21,535	22,324	21,599	U
52	0603826D8Z	Quick Reaction Special Projects	3	24,076	46,566	64,389	U
53	0603832D8Z	Joint Wargaming Simulation Management Office	3	45,835	41,735	46,017	U
54	0603924D8Z	High Energy Laser Advanced Technology Program	3	12,793			U
55	0603942D8Z	Technology Link	3		3,547	1,934	U
56	0605160D8Z	Counterproliferation Support	3	1,683	1,851	1,958	U
		Advanced Technology Development (ATD)		**731,835**	**771,829**	**992,736**	
58	0603228D8Z	Physical Security Equipment	4	46,872	1,183		U
59	0603709D8Z	Joint Robotics Program	4	19,235	15,784	11,771	U
60	0603714D8Z	Advanced Sensor Applications Program	4	16,914	32,983	17,581	U
61	0603736D8Z	CALS Initiative	4	7,362			U
62	0603851D8Z	Environmental Security Technical Certification Program	4	20,091	35,191	32,546	U
75	0603910D8Z	Strategic Capability Modernization	4	19,461			U

Office of Secretary Of Defense
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
76	0603920D8Z	Humanitarian Demining	4	12,627	13,108	13,747	U
77	0603923D8Z	Coalition Warfare	4	6,545	5,822	5,886	U
78	0604400D8Z	Joint Unmanned Combat Air Systems (J-UCAS) Advanced Component and Prototype Deve	4			422,873	U
79	0604722D8Z	Joint Service Education and Training Systems Development	4	961	987		U
80	0605017D8Z	Reduction Of Total Ownership Cost	4			27,351	U
		Advanced Component Development & Prototypes		**150,068**	**105,058**	**531,755**	
81	0303191D8Z	Joint Electromagnetic Technology (JET) Program	4	10,063	14,944	6,679	U
		Advanced Component Development & Prototypes		**10,063**	**14,944**	**6,679**	
83	0604618D8Z	MANPADS Defense Program	5		2,958	14,135	U
84	0604709D8Z	Joint Robotics Program	5	27,326	21,381	13,845	U
86	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	5	10,122	10,478	18,515	U
90	0605013D8Z	Prototype Accounting Systems	5	8,889			U
93	0605016D8Z	Financial Management System Improvements	5	67,191	45,098	94,767	U
		System Development and Demonstration (SDD)		**113,528**	**79,915**	**141,262**	
100	0901200D8Z	BMMP Domain Management and Systems Integration	5		4,480	7,472	U
		System Development and Demonstration (SDD)			**4,480**	**7,472**	
101	0603704D8Z	Special Technical Support	6			19,274	U
102	0603757D8Z	Training Transformation (T2)	6		2,909		U
103	0603835D8Z	Transformation Initiatives Program	6			9,977	U
104	0603858D8Z	Unexploded Ordnance Detection and Clearance	6	1,109			U

Office of Secretary Of Defense
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
105	0604774D8Z	Defense Readiness Reporting System (DRRS)	6		15,336	19,691	U
106	0604875D8Z	Joint Systems Architecture Development	6			4,989	U
107	0604943D8Z	Thermal Vicar	6	6,949	7,053	7,263	U
108	0605104D8Z	Technical Studies, Support and Analysis	6	29,465	29,762	30,618	U
110	0605114D8Z	BLACK LIGHT	6	14,547	19,388	21,535	U
111	0605116D8Z	General Support to C3I	6	21,853	25,529		U
112	0605117D8Z	Foreign Material Acquisition and Exploitation	6	23,422	33,421	35,572	U
113	0605123D8Z	Interagency Export License Automation	6	862	7,718	5,882	U
114	0605124D8Z	Defense Travel System	6	30,353	31,342	28,508	U
116	0605128D8Z	Classified Program USD(P)	6	186,192	145,835		U
117	0605130D8Z	Foreign Comparative Testing	6	29,319	36,464	35,633	U
118	0605170D8Z	Support to Networks and Information Integration	6			11,490	U
119	0605200D8Z	General Support to USD (Intelligence)	6			4,830	U
123	0605502D8Z	Small Business Innovative Research	6	37,539			U
125	0605710D8Z	Classified Programs - C3I	6	75,066	41,541		U
126	0605790D8Z	Small Business Innovation Research/Challenge Administration	6	1,965	1,997	1,999	U
128	0605799D8Z	Force Transformation Directorate	6	9,416	19,388	19,591	U
131	0605804D8Z	Development Test and Evaluation	6	46,944	8,808	8,882	U
	RDT&E Management Support			**515,001**	**426,491**	**265,734**	

Office of Secretary Of Defense
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
133	0303169D8Z	Information Technology Rapid Acquisition	6			19,958	U
134	0305193D8Z	Intelligence Support to Information Operations (IO)	6			12,878	U
		RDT&E Management Support				**32,836**	
138	0901598D8W	IT Software Dev Initiatives	6		1,767	1,700	U
		RDT&E Management Support			**1,767**	**1,700**	
140	0604805D8Z	Commercial Operations and Support Savings Initiative	7	14,499			U
		Operational Systems Development		**14,499**			
158	0303140D8Z	Information Systems Security Program	7		14,576	11,135	U
170	0305125D8Z	Critical Infrastructure Protection (CIP)	7		2,023	28,021	U
174	0305146D8Z	Defense Joint Counterintelligence Program (JMIP)	7	66,500	30,312		U
176	0305190D8Z	C3I Intelligence Programs	7	106,672	130,178		U
177	0305191D8Z	Technology Development	7	225,789	245,536		U
180	0305199D8Z	Net Centricity	7			214,222	U
191	0305917D8Z	National Security Space Architect (NSSA)	7	10,632			U
		Operational Systems Development		**409,593**	**422,625**	**253,378**	
195	1001018D8Z	NATO Joint STARS	7		24,363	30,399	U
		Operational Systems Development			**24,363**	**30,399**	
		Total Office of Secretary Of Defense		**2,340,094**	**1,945,386**	**2,332,926**	

Defense Adv Research Projects Agcy
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
2	0601101E	Defense Research Sciences	1	171,383	139,434	143,729	U
	Basic Research			**171,383**	**139,434**	**143,729**	
12	0602301E	Computing Systems and Communications Technology	2	390,607	334,696	342,614	U
13	0602302E	Embedded Software and Pervasive Computing	2	54,870	13,250		U
14	0602383E	Biological Warfare Defense	2	157,861	149,105	147,533	U
16	0602702E	Tactical Technology	2	168,826	247,405	339,175	U
17	0602712E	Materials and Electronics Technology	2	414,437	465,450	502,044	U
	Applied Research			**1,186,601**	**1,209,906**	**1,331,366**	
32	0603285E	Advanced Aerospace Systems	3	242,095	315,941	361,067	U
40	0603739E	Advanced Electronics Technologies	3	158,847	186,748	218,151	U
43	0603760E	Command, Control and Communications Systems	3	115,654	193,562	225,784	U
44	0603762E	Sensor and Guidance Technology	3	216,052	336,658	337,117	U
45	0603763E	Marine Technology	3	26,164	13,751		U
46	0603764E	Land Warfare Technology	3	164,634	81,513	63,121	U
47	0603765E	Classified DARPA Programs	3	261,851	218,192	238,131	U
48	0603766E	Network-Centric Warfare Technology	3		91,226	125,124	U
	Advanced Technology Development (ATD)			**1,185,297**	**1,437,591**	**1,568,495**	
124	0605502E	Small Business Innovative Research	6	64,848			U
132	0605898E	Management HQ - R&D	6	44,850	44,525	46,689	U
	RDT&E Management Support			**109,698**	**44,525**	**46,689**	

Defense Adv Research Projects Agcy
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
139	0909999E	Financing for Cancelled Account Adjustments	6	2,000			U
		RDT&E Management Support		**2,000**			
		Total Defense Adv Research Projects Agcy		**2,654,979**	**2,831,456**	**3,090,279**	

National Security Agency
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
135	0305193G	Intelligence Support to Information Operations (IO)	6				
				----------	----------	----------	
	RDT&E Management Support						
147	0301011G	Cryptologic Activities	7				
159	0303140G	Information Systems Security Program	7	473,128	477,791	477,846	U
178	0305193G	Intelligence Support to Information Operations (IO)	7				
181	0305202G	Dragon U-2 (JMIP)	7				
182	0305206G	Airborne Reconnaissance Systems	7				
183	0305207G	Manned Reconnaissance Systems	7				
185	0305208G	Distributed Common Ground/Surface Systems	7				
189	0305885G	Tactical Cryptologic Activities	7				
190	0305889G	Counterdrug Intelligence Support	7				
				----------	----------	----------	
	Operational Systems Development						
				----------	----------	----------	
Total National Security Agency							

The Joint Staff
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
115	0605126J	Joint Theater Air and Missile Defense Organization	6	74,905	85,078	86,409	U
		RDT&E Management Support		**74,905**	**85,078**	**86,409**	
143	0208043J	Classified Programs	7		1,448	1,663	U
145	0208052J	Joint Analytical Model Improvement Program	7	8,509	7,129	5,577	U
		Operational Systems Development		**8,509**	**8,577**	**7,240**	
160	0303149J	C4I for the Warrior	7	9,466	4,139	4,177	U
		Operational Systems Development		**9,466**	**4,139**	**4,177**	
194	0902298J	Management Headquarters (JCS)	7	16,404	28,921	22,421	U
		Operational Systems Development		**16,404**	**28,921**	**22,421**	
		Total The Joint Staff		**109,284**	**126,715**	**120,247**	

Defense Information Systems Agency
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
85	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	5	25,480	16,673	18,183	U
		System Development and Demonstration (SDD)		**25,480**	**16,673**	**18,183**	
94	0303129K	Defense Message System	5	11,279	9,662	6,623	U
95	0303140K	Information Systems Security Program	5	18,005	6,688	2,493	U
96	0303141K	Global Combat Support System	5	16,709	16,396	17,867	U
97	0303158K	Joint Command and Control Program (JC2)	5			3,000	U
98	0305840K	Electronic Commerce	5	24,165	7,137	3,466	U
		System Development and Demonstration (SDD)		**70,158**	**39,883**	**33,449**	
129	0605801K	Defense Technical Information Services (DTIC)	6	42,963	43,494	45,203	U
		RDT&E Management Support		**42,963**	**43,494**	**45,203**	
144	0208045K	C4I Interoperability	7	44,696	43,122	41,074	U
		Operational Systems Development		**44,696**	**43,122**	**41,074**	
153	0302016K	National Military Command System-Wide Support	7	1,016	1,116	1,240	U
154	0302019K	Defense Info Infrastructure Engineering and Integration	7	6,802	2,423	2,517	U
155	0303126K	Long-Haul Communications - DCS	7	1,602	1,380	11,401	U
156	0303127K	Support of the National Communications System	7	4,275			U
157	0303131K	Minimum Essential Emergency Communications Network (MEECN)	7	7,641	7,089	7,261	U
161	0303149K	C4I for the Warrior	7	19,103	36,489	24,712	U
162	0303150K	Global Command and Control System	7	17,421	50,400	43,693	U
163	0303153K	Joint Spectrum Center	7	15,667	16,565	18,941	U

Defense Information Systems Agency
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
164	0303165K	Defense Collaboration Tool Suite (DCTS)	7		12,689	8,503	U
165	0303170K	Net-Centric Enterprise Services (NCES)	7		30,364	52,059	U
166	0303610K	Teleport Program	7	6,911	10,304	10,272	U
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		Operational Systems Development		**80,438**	**168,819**	**180,599**	
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		Total Defense Information Systems Agency		**263,735**	**311,991**	**318,508**	

Defense Intelligence Agency
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	S E C
148	0301301L	General Defense Intelligence Program	7				
150	0301398L	Management HQ - GDIP	7				
175	0305183L	Defense Human Intelligence (HUMINT) Program (DHIP)	7				
179	0305193L	Intelligence Support to Information Operations (IO)	7				
186	0305208L	Distributed Common Ground/Surface Systems	7				
187	0305883L	Hard and Deeply Buried Target (HDBT) Intel Support	7				
188	0305884L	Intelligence Planning and Review Activities	7				
				----------	----------	----------	
		Operational Systems Development					
				----------	----------	----------	
		Total Defense Intelligence Agency					

Defense Contract Audit Agency
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
146	0300205R	Information Technology Systems	7	537			U
		Operational Systems Development		**537**			
		Total Defense Contract Audit Agency		**537**			

Defense Logistics Agency
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
37	0603712S	Generic Logistics R&D Technology Demonstrations	3	130,577	123,111	27,542	U
51	0603805S	Dual Use Application Programs	3	5,750	3,710		U
		Advanced Technology Development (ATD)		**136,327**	**126,821**	**27,542**	
99	0305840S	Electronic Commerce	5		2,335	2,345	U
		System Development and Demonstration (SDD)			**2,335**	**2,345**	
127	0605798S	Defense Technology Analysis	6	6,625	5,035	7,279	U
		RDT&E Management Support		**6,625**	**5,035**	**7,279**	
192	0708011S	Industrial Preparedness	7	20,741	45,871	11,005	U
193	0708012S	Logistics Support Activities	7	28,182	35,401	11,389	U
		Operational Systems Development		**48,923**	**81,272**	**22,394**	
		Total Defense Logistics Agency		**191,875**	**215,463**	**59,560**	

DoD Human Resources Activity
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	FY 2003	FY 2004	FY 2005	SEC
				Thousands of Dollars			
49	0603769SE	Distributed Learning Advanced Technology Development	3	15,230	13,611	13,756	U
		Advanced Technology Development (ATD)		**15,230**	**13,611**	**13,756**	
91	0605014SE	Information Technology Development	5			52,407	U
		System Development and Demonstration (SDD)				**52,407**	
130	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	6	12,666	15,286	10,598	U
		RDT&E Management Support		**12,666**	**15,286**	**10,598**	
		Total DoD Human Resources Activity		**27,896**	**28,897**	**76,761**	

Defense Security Cooperation Agency
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
141	0605127T	Partnership for Peace (PfP) Information Management System	7	2,739	5,840	6,995	U
		Operational Systems Development		**2,739**	**5,840**	**6,995**	
		Total Defense Security Cooperation Agency		**2,739**	**5,840**	**6,995**	

Defense Security Service
FY 2005 RDT&E PROGRAM

EXHIBIT R-1

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

Date: FEB 2004

Line No	Program Element Number	Item	Act	Thousands of Dollars FY 2003	FY 2004	FY 2005	SEC
172	0305127V	Foreign Counterintelligence Activities	7	463			U
		Operational Systems Development		**463**			
		Total Defense Security Service		**463**			