

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY							
BASIC RESEARCH							
0601101A	1	In-House Laboratory Independent Research	24,121				24,121
0601102A	2	Defense Research Sciences	128,798	6,000			134,798
		Advanced Deployable Nano-sensors			2,000		
		Desert Terrain Analysis			4,000		
0601103A	3	University Research Initiatives	71,642				71,642
0601104A	4	University and Industry Research Centers	84,816	6,100			90,916
		Jidoka Project			1,500		
		Army Centers of Excellence			2,500		
		Electromagnetic Gun Initiative			2,100		
0601105A	5	Force Health Protection	9,847				9,847
0601114A	6	Defense Experimental Program to Stimulate Competitive Research	9,730				9,730
0601228A	7	Historically Black Colleges and Universities/Minority Instit	14,083				14,083
TOTAL, BASIC RESEARCH			343,037	12,100	12,100	0	355,137
APPLIED RESEARCH							
0602105A	8	Materials Technology	15,186	20,000			35,186
		Composite Multifunction Material Technology for Future Combat Systems			5,000		
		Volumetrically Controlled Manufacturing (VCM)			15,000		
0602120A	9	Sensors and Electronic Survivability	22,765				22,765
0602122A	10	TRACTOR HIP	5,835				5,835
0602211A	11	Aviation Technology	39,459				39,459
0602270A	12	EW Technology	17,029				17,029
0602303A	13	Missile Technology	43,269	10,000			53,269

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0602307A	14	Micro Electro-mechanical Systems Inertial Measurement Unit/GPS Advanced Weapons Technology/HEL Diode-Pumped Solid-State High Energy Laser	14,189	7,000	10,000		21,189
0602308A	15	Advanced Concepts and Simulation	15,941		7,000		15,941
0602601A	16	Combat Vehicle and Automotive Technology Advanced Electric Drive M-Gator Advanced Powertrains Fuel Preparator	80,910	9,900		3,000 4,400 2,500	90,810
0602618A	17	Ballistics Technology/FCS	53,478				53,478
0602622A	18	Chemical, Smoke and Equipment Defeating Technology Metal Particles in Defense Applications Obscurant Smokes	3,540	5,000		5,000	8,540
0602623A	19	Joint Service Small Arms Program Anti-Material Sniper Rifle	5,835	5,000		5,000	10,835
0602624A	20	Weapons and Munitions Technology Alloy Tungsten (LA-T) Kinetic Energy Penetrator Technology Ammo Generation 2 (X-Caliber) Warhead Technology TEMPER	39,485	16,500		5,500 3,000 8,000	55,985
0602705A	21	Electronics and Electronic Devices Advanced Battery Technology Initiative Flexible Display Initiative	33,694	24,000		20,000 4,000	57,694
0602709A	22	Night Vision Technology	22,233				22,233
0602712A	23	Countermine Systems	21,291				21,291
0602716A	24	Human Factors Engineering Technology Human Systems Integration (MANPRINT)	16,749	3,500		3,500	20,249
0602720A	25	Environmental Quality Technology	18,252				18,252
0602782A	26	Command, Control, Communications Technology	18,728				18,728
0602783A	27	Computer and Software Technology	4,142				4,142

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0602784A	28	Military Engineering Technology Brooks Energy and Sustainability Lab	45,407	2,000		2,000	47,407
0602785A	29	Manpower/Personnel/Training Technology	15,548				15,548
0602786A	30	Warfighter Technology Advanced Microbial Technology for Treating Military Textiles & Clothing	29,421	3,500		3,500	32,921
0602787A	31	Medical Technology Remote Acoustic Hemostasis	58,877	8,200		8,200	67,077
0602805A	32	Dual Use Science and Technology	0				0
TOTAL, APPLIED RESEARCH			641,263	114,600	114,600	0	755,863
ADVANCED TECHNOLOGY DEVELOPMENT							
0603001A	33	Warfighter Advanced Technology	63,882				63,882
0603002A	34	Medical Advanced Technology Hemoglobin-based Oxygen Carrier Pseudofolliculitits Barbae Research Rugged textile electronic garments for combat casualty care	35,168	9,000		5,000 1,000 3,000	44,168
0603003A	35	Aviation Advanced Technology Airborne Manned/Unmanned System Technology Broad Area Unmanned Responsive Re-Supply Operations Reconfiguring Tooling System	72,083	17,700		5,000 9,700 3,000	89,783
0603004A	36	Weapons and Munitions Advanced Technology ScramFire 120mm Powered Munition	47,752	5,000		5,000	52,752
0603005A	37	Combat Vehicle and Automotive Advanced Technology Aluminum Lightweight Structure Initiative Advanced Army Composite Bridge	210,856	10,000		5,000 5,000	220,856
0603006A	38	Command, Control, Communications Advanced Technology	10,379				10,379
0603007A	39	Manpower, Personnel and Training Advanced Technology	4,931	5,000			9,931

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0603008A	40	Ground Systems Team Training			5,000		
		Electronic Warfare Advanced Technology (H)	40,347	18,600			58,947
		Applied Communication and Information Networking			10,000		
		Portable and Mobile Emergency Broadband System			8,600		
0603009A	41	TRACTOR HIKE	8,781				8,781
0603015A	42	Next Generation Training & Simulation Systems	18,649				18,649
0603017A	43	TRACTOR RED	0				0
0603020A	44	TRACTOR ROSE	2,872				2,872
0603103A	45	Explosives Demilitarization Technology	9,349				9,349
0603105A	46	Military HIV Research	6,733				6,733
0603125A	47	Combating Terrorism, Technology Development	4,916				4,916
0603238A	48	Global Surveillance/Air Defense/Precision Strike Technology Demonstration	12,660				12,660
0603270A	49	EW Technology	11,273				11,273
0603313A	50	Missile and Rocket Advanced Technology	111,321	5,000			116,321
		Army Manufacturing and Maintenance Organization			5,000		
0603322A	51	TRACTOR CAGE	7,592				7,592
0603606A	52	Landmine Warfare and Barrier Advanced Technology	24,552				24,552
0603607A	53	Joint Service Small Arms Program	6,193				6,193
0603654A	54	Line-Of-Sight Technology Demonstration	8,847				8,847
0603710A	55	Night Vision Advanced Technology	47,088	25,500			72,588
		Buster Backpack Unmanned Aerial Vehicle			10,000		
		Night Vision Fusion (I2 & IR)			5,000		
		DOD Firefighter Helmet Mounted Thermal Imaging Camera System			5,500		
		Wire Detection, Wind Sensor, and Obstacle Avoidance System			5,000		
0603728A	56	Environmental Quality Technology Demonstrations	15,776				15,776
0603734A	57	Military Engineering Advanced Technology	3,441				3,441
0603772A	58	Advanced Tactical Computer Science and Sensor Technology	20,255	19,000			39,255

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		Lightweight Counter Mortar Radar			8,000		
		Multi-Mission Radar Program			7,000		
		Palletized SAR MTI Radar Sets			4,000		
TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT			805,696	114,800	114,800	0	920,496
ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES							
0603305A	59	Army Missile Defense Systems Integration (Non Space)/MTHHEL	51,547	11,500			63,047
		Advanced Battery Technology Demonstration and Validation			4,000		
		Advanced Tactical Operations Center			7,500		
0603308A	60	Army Missile Defense Systems Integration (Space)	9,632				9,632
0603327A	61	Air and Missile Defense Systems Engineering	79,959	7,000			86,959
		Army Air and Missile Defense (AMD) Architecture Analysis (A3) Program			7,000		
0603619A	62	Landmine Warfare and Barrier - Adv Dev	36,976				36,976
0603627A	63	Smoke, Obscurant and Target Defeating Sys-Adv Dev	10,262				10,262
0603639A	64	Tank and Medium Caliber Ammunition	11,249				11,249
0603653A	65	Advanced Tank Armament System (ATAS)	61,377				61,377
0603747A	66	Soldier Support and Survivability	13,987				13,987
0603748A	XX	Defense Language Institute	0	5,000	5,000		5,000
0603766A	67	Tactical Electronic Surveillance System - Adv Dev	17,068				17,068
0603774A	68	Night Vision Systems Advanced Development	5,283				5,283
0603779A	69	Environmental Quality Technology	11,514	2,000			13,514
		Asbestos Pilot Project			2,000		
0603782A	70	Warfighter Information Network-Tactical	90,774				90,774
0603790A	71	NATO Research and Development	4,779				4,779
0603801A	72	Aviation - Adv Dev	9,968				9,968
0603802A	73	Weapons and Munitions - Adv Dev / OICW	31,856				31,856
0603804A	74	Logistics and Engineer Equipment - Adv Dev	12,008				12,008

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0603805A	75	Combat Service Support Control System Evaluation and Analysis	8,682				8,682
0603807A	76	Medical Systems - Adv Dev	11,042				11,042
0603850A	77	Integrated Broadcast Service (JMIP/DISTP)	2,097	(2,097)			0
		Program Reduction				(2,097)	
0603851A	78	TRACTOR CAGE	0				0
0603854A	79	Artillery Systems	0				0
0603856A	80	SCAMP Block II	28,028				28,028
0603869A	81	Medium Extended Air Defense System (MEADS) Concepts	276,259	(276,259)			0
		MEADS Transfer				(276,259)	
TOTAL, ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES			784,347	(252,856)	25,500	(278,356)	531,491
SYSTEM DEVELOPMENT & DEMONSTRATION							
0604201A	82	Aircraft Avionics	64,650				64,650
0604220A	83	Armed, Deployable OH-58D	0				0
0604223A	84	Comanche	1,079,257				1,079,257
0604270A	85	EW Development	33,214				33,214
0604280A	86	Joint Tactical Radio	134,693				134,693
0604321A	87	All Source Analysis System	20,168				20,168
0604328A	88	TRACTOR CAGE	16,215				16,215
0604329A	89	Common Missile	183,790				183,790
0604601A	90	Infantry Support Weapons	21,637				21,637
0604604A	91	Medium Tactical Vehicles/FMTV	4,366				4,366
0604609A	92	Smoke, Obscurant and Target Defeating Sys-SDD	12,094				12,094
0604611A	93	JAVELIN	956				956
0604619A	94	Landmine Warfare	0				0
0604622A	95	Family of Heavy Tactical Vehicles	9,200				9,200
0604633A	96	Air Traffic Control	2,514				2,514

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0604641A	97	Tactical Unmanned Ground Vehicle (TUGV)	0				0
0604642A	98	Light Tactical Wheeled Vehicles	15,700				15,700
0604645A	99	Future Combat Systems	1,245,118				1,245,118
0604646A	XX	Networked Fires Systems Technology - SDD	102,971				102,971
0604647A	XX	Objective Force Indirect Fires - SDD	353,242				353,242
0604649A	100	Engineer Mobility Equipment Development	0				0
0604710A	101	Night Vision Systems - SDD	29,022	3,000			32,022
		Modular Multi Function Laser System			3,000		
0604713A	102	Combat Feeding, Clothing, and Equipment	67,283	58,500			125,783
		Transfer from OPA-136 "Land Warrior"			58,500		
0604715A	103	Non-System Training Devices - SDD	71,616	(8,767)		(8,767)	62,849
0604716A	104	Terrain Information - SDD	6,977				6,977
0604726A	105	Integrated Meteorological Support System	3,309				3,309
0604738A	106	JSIMS Core Program	0				0
0604741A	107	Air Defense Command, Control and Intelligence - SDD	29,297				29,297
0604742A	108	Constructive Simulation Systems Development	16,994	(14,720)		(14,720)	2,274
0604746A	109	Automatic Test Equipment Development	4,634				4,634
0604760A	110	Distributive Interactive Simulations (DIS) - SDD	26,358				26,358
0604766A	111	Tactical Surveillance Systems - SDD	19,695	6,000			25,695
		Broadband Intelligence Training System			6,000		
0604768A	112	Army Tactical Missile System (ATACMS)	55,075				55,075
0604770A	113	Joint Surveillance/Target Attack Radar System	4,705				4,705
0604778A	114	Positioning Systems Development (SPACE)	1,574				1,574
0604780A	115	Combined Arms Tactical Trainer (CATT) Core	3,998				3,998
0604783A	116	Joint Network Management System	9,437				9,437
0604801A	117	Aviation - SDD	2,379				2,379
0604802A	118	Weapons and Munitions - SDD	129,409	9,000			138,409

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		Advanced Precision Kill Weapon System			9,000		
0604804A	119	Logistics and Engineer Equipment - SDD	86,288				86,288
0604805A	120	Command, Control, Communications Systems - SDD	219,088				219,088
0604807A	121	Medical Materiel/Medical Biological Defense Equipment - SDD	12,202				12,202
0604808A	122	Landmine Warfare/Barrier - SDD	90,396				90,396
0604814A	123	Artillery Munitions	133,994				133,994
0604817A	124	Combat Identification/BCIS	3,541				3,541
0604818A	125	Army Tactical Command & Control Hardware & Software Army Airborne Command & Control System (A2CS2)	98,129	3,900			102,029
0604819A	126	LOSAT	30,809		3,900		30,809
0604820A	127	Radar Development	0				0
0604823A	128	Firefinder	27,107				27,107
0604854A	129	Artillery Systems	32,629				32,629
0604865A	130	Patriot PAC-3 Theater Missile Defense Acquisition PAC-3 R&D	174,475	79,000			253,475
0605013A	131	Information Technology Development	47,566		79,000		47,566
TOTAL, SYSTEM DEVELOPMENT & DEMONSTRATION			4,737,771	135,913	159,400	(23,487)	4,873,684
RDT&E MANAGEMENT SUPPORT							
0604256A	132	Threat Simulator Development	17,751				17,751
0604258A	133	Target Systems Development	13,890				13,890
0604759A	134	Major T&E Investment	62,135				62,135
0605103A	135	Rand Arroyo Center	22,804				22,804
0605301A	136	Army Kwajalein Atoll	137,307				137,307
0605326A	137	Concepts Experimentation Program	26,473				26,473
0605502A	138	Small Business Innovative Research	0				0
0605601A	139	Army Test Ranges and Facilities	174,603	7,400			182,003

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		Army Aviation Technical Test Center Upgrade for Helicopter			7,400		
0605602A	140	Army Technical Test Instrumentation and Targets	54,986				54,986
0605604A	141	Survivability/Lethality Analysis	39,138				39,138
0605605A	142	DOD High Energy Laser Test Facility	17,806				17,806
0605606A	143	Aircraft Certification	3,098				3,098
0605702A	144	Meteorological Support to RDT&E Activities	9,669				9,669
0605706A	145	Materiel Systems Analysis	15,832				15,832
0605709A	146	Exploitation of Foreign Items	3,579				3,579
0605712A	147	Support of Operational Testing	67,795				67,795
0605716A	148	Army Evaluation Center	57,074	(10,000)			47,074
		Program Reduction				(10,000)	
0605718A	149	Simulation & Modeling for Acq, Rqts, & Tng (SMART)	2,654				2,654
0605801A	150	Programwide Activities	71,555				71,555
0605803A	151	Technical Information Activities	28,520				28,520
0605805A	152	Munitions Standardization, Effectiveness and Safety	19,855	8,500			28,355
		Advanced Cluster Energetics (ACE) Manufacturing Technology			5,000		
		Cadmium Zinc Telluride Detectors			3,500		
0605857A	153	Environmental Quality Technology Mgmt Support	4,938				4,938
0605898A	154	Management Headquarters (Research and Development)	8,995				8,995
0909999A	155	Financing for Cancelled Account Adjustments	0				0
		TOTAL, RDT&E MANAGEMENT SUPPORT	860,457	5,900	15,900	(10,000)	866,357
		OPERATIONAL SYSTEMS DEVELOPMENT					
0603778A	156	MLRS Product Improvement Program	84,839				84,839
0102419A	157	Aerostat Joint Project Office	57,549	3,000			60,549
		Lightweight X-Band Radar MEMS Antenna Technology			3,000		
0203610A	158	Domestic Preparedness Against Weapons of Mass Destruction	0				0

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0203726A	159	Adv Field Artillery Tactical Data System	28,917				28,917
0203735A	160	Combat Vehicle Improvement Programs	24,486				24,486
0203740A	161	Maneuver Control System - Tactical C2	39,581				39,581
0203744A	162	Aircraft Modifications/Product Improvement Programs Transfer from APA-15 "UH-60 Mods"	187,959	100,000			287,959
					100,000		
0203752A	163	Aircraft Engine Component Improvement Program	3,399				3,399
0203758A	164	Digitization	18,251				18,251
0203759A	165	Force XXI Battle Command, Brigade and Below (FBCB2)	48,436				48,436
0203761A	166	Force XXI, Warfighting Rapid Acquisition Program	0				0
0203801A	167	Missile/Air Defense Product Improvement Program PAC-2	44,468	10,000			54,468
					10,000		
0203802A	168	Other Missile Product Improvement Programs	9,822				9,822
0203806A	169	TRACTOR RUT	8,851				8,851
0203808A	170	TRACTOR CARD	9,255				9,255
0208010A	171	Joint Tactical Communications Program (TRI-TAC)	16,543				16,543
0208053A	172	Joint Tactical Ground System	9,767				9,767
0301359A	173	Special Army Program	5,968				5,968
0303028A	174	Security and Intelligence Activities Intelligence and Security Command Global Information Portal Info Dominance Center Expanded Processing for Advanced Data Analysis	0	10,000			10,000
					5,000		
					5,000		
0303140A	175	Information Systems Security Program	20,728				20,728
0303141A	176	Global Combat Support System	58,983				58,983
0303142A	177	SATCOM Ground Environment (SPACE)	87,352				87,352
0303142A	178	WWMCCS/Global Command and Control System	20,124				20,124
0305114A	179	Traffic Control, Approach and Landing System/JPALS	956				956
0305204A	180	Tactical Unmanned Aerial Vehicles Shadow Unmanned Aerial Vehicle Improvements	60,493	12,400			72,893
					12,400		

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0305206A	181	Airborne Reconnaissance Systems Hyperspectral Long Wave Imager for the Tactical Environment (HyLite)	4,751	8,700		8,700	13,451
0305208A	182	Distributed Common Ground Systems	32,292				32,292
0708045A	183	End Item Industrial Preparedness Activities 21st Century High Technology for Legacy Parts Reinvention	65,981	3,000			68,981
1001018A	184	NATO Joint STARS	503			3,000	503
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT			950,254	147,100	147,100	0	1,097,354
xxx		Information Technology Reduction		(68,000)		(68,000)	(68,000)
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY			9,122,825	209,557	589,400	(379,843)	9,332,382

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RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY							
BASIC RESEARCH							
0601103N	1	University Research Initiatives Naval Architecture and Engineering	70,669	6,000		6,000	76,669
0601152N	2	In-House Laboratory Independent Research	17,400				17,400
0601153N	3	Defense Research Sciences	368,517				368,517
TOTAL, BASIC RESEARCH			456,586	6,000	6,000	0	462,586
APPLIED RESEARCH							
0602114N	4	Power Projection Applied Research Interrogator for High-Speed Retro Reflectometer Hybrid Lidar-Radar for Improved Optical Imaging FireLidar Silver Fox Unmanned Aerial Vehicle Integrated High Payoff Rocket Propulsion Technology program	114,144	27,500		4,000 3,500 2,000 15,000 3,000	141,644
0602123N	5	Force Protection Applied Research Fire-retarded POSS composites	75,909	2,500		2,500	78,409
0602131M	6	Marine Corps Landing Force Technology	31,778				31,778
0602232N	7	Communications, Command and Control, Intell, Surveillance	0				0
0602233N	8	Human Systems Technology	0				0
0602234N	9	Materials, Electronics and Computer Technology	0				0
0602235N	10	Common Picture Applied Research Theater Undersea Warfare Initiative	59,022	6,000		6,000	65,022
0602236N	11	Warfighter Sustainment Applied Research Marine Mammal Research Program Formable Aligned Carbon Thermosets	52,213	7,700		2,200 1,500	59,913

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0602271N	12	Aerospace Materials Technology Consortium			4,000		
		RF Systems Applied Research	44,019	15,500			59,519
		Vacuum Electronics			9,500		
		Wide Band Gap Semiconductor Power Electronics			6,000		
0602435N	13	Ocean Warfighting Environment Applied Research	48,785	1,000			49,785
		Station-Keeping Ocean Environment Sensors			1,000		
0602633N	14	Undersea Warfare Weaponry Technology	0				0
0602747N	15	Undersea Warfare Applied Research	62,583	2,500			65,083
		Low Acoustic Signature Motor/Propulsor			2,500		
0602782N	16	Mine and Expeditionary Warfare Applied Research	47,490				47,490
0602805N	17	Dual Use Science and Technology Program	0				0
TOTAL, APPLIED RESEARCH			535,943	62,700	62,700	0	598,643
ADVANCED TECHNOLOGY DEVELOPMENT							
0603114N	18	Power Projection Advanced Technology	173,478	30,500			203,978
		DP-2 Thrust Vectoring Program			10,000		
		Cruise Missile Real Time Retargeting/LADAR Technology			10,000		
		Low-Power Mega-Performance Unmanned Aerial Vehicle Processing Engines			7,500		
		Integrated High Payoff Rocket Propulsion Technology program			3,000		
0603123N	19	Force Protection Advanced Technology/CM/LSC-X	55,780	89,900			145,680
		Littoral Support Craft - Experimental			20,000		
		High Temperature Superconducting AC Synchronous Ship Propulsion Motor			15,800		
		Superconducting DC Homopolar Motor			8,000		
		Advanced Waterjet 21			3,000		
		Offshore Mobile Basing			10,000		
		Quad Hull Security Caisson Technical Demonstration			16,000		
		COTS Carbon Fiber Qualification			5,500		

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
		Project M			4,000		
		Electromagnetic Gun Initiative			7,600		
0603235N	20	Common Picture Advanced Technology	69,194	12,000			81,194
		Consolidated Undersea Situational Awareness System			7,000		
		Integrated Maritime Picture System of Systems			5,000		
0603236N	21	Warfighter Sustainment Advanced Technology	54,794	8,500			63,294
		Reduction of Catapult Post-Retraction Exhaust Discharge			2,000		
		Emerging/Critical Interconnection Technology Initiative			5,000		
		IMPRINT			1,500		
0603271N	22	RF Systems Advanced Technology	45,475	13,000			58,475
		Remote Ocean Surveillance Systems			3,000		
		LPI Surveillance Radar Demonstration			10,000		
0603508N	23	Surface Ship & Submarine HM&E Advanced Technology	0				0
0603640M	24	Marine Corps Advanced Technology Demonstration (ATD)	56,404	9,000			65,404
		Rapid deployment fortification wall live-fire testing			3,500		
		Advanced Light Strike Vehicle			5,000		
		Mobile Expandable Shelters			500		
0603706N	25	Medical Development	0				0
0603707N	26	Manpower, Personnel and Training Adv Tech Dev	0				0
0603712N	27	Environmental Quality and Logistics Advanced Technology	0				0
0603727N	28	Joint Experimentation	151,058	(151,058)			0
		Joint Warfare Experimentation Program				(151,058)	
0603729N	29	Warfighter Protection Advanced Technology	11,435	12,500			23,935
		Biomedical Research Imaging			5,000		
		Organ Transfer Technology			3,000		
		Modeling and Simulation of Surgical Procedures for Battlefield Trauma			4,500		
0603747N	30	Undersea Warfare Advanced Technology	38,168				38,168

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0603757N	31	Joint Warfare Experiments	13,684	(13,684)			0
		Joint Warfare Experiments				(13,684)	
0603758N	32	Navy Warfighting Experiments and Demonstrations	20,584				20,584
0603782N	33	Mine and Expeditionary Warfare Advanced Technology	31,719				31,719
0603792N	34	Advanced Technology Transition	0				0
TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT			721,773	10,658	175,400	(164,742)	732,431
ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES							
0603207N	35	Air/Ocean Tactical Applications	22,832				22,832
0603216N	36	Aviation Survivability	6,809				6,809
0603237N	37	Deployable Joint Command and Control Program Reduction	79,449	(47,000)		(47,000)	32,449
0603254N	38	ASW Systems Development Nonlinear Dynamics Stochastic Resonance Claymore Marine	11,149	6,000	4,000 2,000		17,149
0603261N	39	UAV CONOPS UAV Concept Program Reduction	7,051	(7,051)		(7,051)	0
0603382N	40	Advanced Combat Systems Technology	3,394				3,394
0603502N	41	Surface and Shallow Water Mine Countermeasures Surface Navy Integrated Undersea Tactical Technology	140,731	9,000	9,000		149,731
0603506N	42	Surface Ship Torpedo Defense	48,347				48,347
0603512N	43	Carrier Systems Development	144,965				144,965
0603513N	44	Shipboard System Component Development Navy AQB Circuit Breaker Electronic Trip Units Second Source Qualification	20,431	1,500	1,500		21,931
0603525N	45	PILOT FISH	95,301				95,301
0603527N	46	RETRACT LARCH	74,111				74,111
0603536N	47	RETRACT JUNIPER	20,526				20,526

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0603542N	48	Radiological Control	1,112				1,112
0603553N	49	Surface ASW	2,506				2,506
0603559N	50	SSGN Conversion	68,988				68,988
0603561N	51	Advanced Submarine System Development	52,744	38,700			91,444
		High Performance Brush Program			8,700		
		Submarine Payloads and Sensors			25,000		
		Advanced Composite Sail Phase II			5,000		
0603562N	52	Submarine Tactical Warfare Systems	6,027				6,027
0603563N	53	Ship Concept Advanced Design	7,679				7,679
0603564N	54	Ship Preliminary Design & Feasibility Studies	0				0
0603570N	55	Advanced Nuclear Power Systems	201,239				201,239
0603573N	56	Advanced Surface Machinery Systems	1,468				1,468
0603576N	57	CHALK EAGLE	17,463				17,463
0603581N	58	Littoral Combat Ship (LCS)	158,071	35,000			193,071
		Littoral Combat Ship Mission Module Development			35,000		
0603582N	59	Combat System Integration	86,836				86,836
0603609N	60	Conventional Munitions	42,539				42,539
0603611M	61	Marine Corps Assault Vehicles: AAV	240,695				240,695
0603612M	62	Marine Corps Mine/Countermeasures Systems - Adv Dev: Mine Detector	1,215				1,215
0603635M	63	Marine Corps Ground Combat/Support System	19,700				19,700
0603654N	64	Joint Service Explosive Ordnance Development	12,385				12,385
0603658N	65	Cooperative Engagement	72,506				72,506
0603713N	66	Ocean Engineering Technology Development	18,180				18,180
0603721N	67	Environmental Protection	30,127				30,127
0603724N	68	Navy Energy Program	1,713				1,713
0603725N	69	Facilities Improvement	1,440				1,440
0603734N	70	CHALK CORAL	61,453				61,453

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0603739N	71	Navy Logistic Productivity	7,591				7,591
0603746N	72	RETRACT MAPLE	300,864				300,864
0603748N	73	LINK PLUMERIA	105,363				105,363
0603751N	74	RETRACT ELM	43,755				43,755
0603755N	75	Ship Self Defense	9,733				9,733
0603764N	76	LINK EVERGREEN	95,796				95,796
0603787N	77	Special Processes	53,450				53,450
0603790N	78	NATO Research and Development	7,941				7,941
0603795N	79	Land Attack Technology	63,434	67,000			130,434
		Affordable Weapon System			40,000		
		Naval Fires Network Tactical Dissemination Module			5,000		
		Autonomous Naval Support Round			20,000		
		Antijam GPS Receive/Comm Link for Hypersonic Projectile			2,000		
0603851M	80	Nonlethal Weapons	43,445				43,445
0603857N	81	Joint Combat Identification Evaluation Team (JCIET)	16,765				16,765
0603860N	82	Joint Precision Approach and Landing Systems	24,304				24,304
0603879N	83	Single Integrated Air Picture (SIAP) System Engineer (SE)	15,053				15,053
0603889N	84	Counterdrug RDT&E Projects	0				0
0604272N	85	Tactical Air Directional Infrared Countermeasures (TADIRCM)	0				0
0604327N	86	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	0				0
0604707N	87	Space and Electronic Warfare (SEW) Architecture/Engineering Support	31,369				31,369
TOTAL, ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES			2,600,045	103,149	157,200	(54,051)	2,703,194
SYSTEM DEVELOPMENT & DEMONSTRATION							
0603662N	88	Foreign Counter-Intelligence (FCI) - RDT&E					0
0603787N	89	Special Processes					0
0603831N	90	Classified Programs					0

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0604212N	91	Other Helo Development Advanced Cable Design for Mine and Submarine Warfare	66,764	1,000			67,764
0604214N	92	AV-8B Aircraft - Eng Dev AV-8B ELMP	10,527	7,000	1,000	7,000	17,527
0604215N	93	Standards Development Metrology	50,063	6,000		6,000	56,063
0604216N	94	Multi-Mission Helicopter Upgrade Development	76,998				76,998
0604217N	95	S-3 Weapon System Improvement	0				0
0604218N	96	Air/Ocean Equipment Engineering	4,309				4,309
0604221N	97	P-3 Modernization Program AIP Phased Capability Upgrade	7,306	17,500		17,500	24,806
0604230N	98	Naval Support System	1,466				1,466
0604231N	99	Tactical Command System	68,805				68,805
0604234N	100	E-2C Radar Modernization	352,298				352,298
0604245N	101	H-1 Upgrades	90,589				90,589
0604261N	102	Acoustic Search Sensors	15,831				15,831
0604262N	103	V-22A	441,142				441,142
0604264N	104	Air Crew Systems Development Joint Helmet Mounted Cueing System (JHMCS)	8,765	4,000		4,000	12,765
0604270N	105	EW Development IDECM ALE-55 development testing	51,879	15,000		15,000	66,879
0604271N	XX	EA-18G	204,822				204,822
0604273N	106	VHXX Executive Helo Development	197,431				197,431
0604280N	107	Joint Tactical Radio System - Navy (JTRS-Navy)	87,943				87,943
0604300N	108	DD(X) Knowledge Projection for Fleet Maintenance	1,037,987	4,000		4,000	1,041,987
0604307N	109	AEgis Combats Support Eng	205,733	45,000			250,733

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(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
		AEGIS Open Architecture			10,000		
		S-band Radar Prototype			35,000		
0604311N	110	LPD-17 Class Systems Integration	7,989				7,989
0604312N	111	JASSM	25,137				25,137
0604329N	112	Small Diameter Bomb (SDB)	0				0
0604366N	113	Standard Missile Improvements	76,927				76,927
0604373N	114	Airborne MCM	88,514				88,514
0604503N	115	Submarine Systems Development	80,815	6,500			87,315
		Affordable Towed Array Construction			6,500		
0604504N	116	Air Control	10,472				10,472
0604507N	117	Enhanced Modular Signal Processor	1,006				1,006
0604512N	118	Shipboard Aviation Systems	18,352				18,352
0604518N	119	Combat Information Center Conversion	21,244				21,244
0604558N	120	Virginia Class Design Development	112,355	10,000			122,355
		Virginia Class Multi-Mission Module			10,000		
0604561N	121	SSN-21 Developments	13,482				13,482
0604562N	122	Submarine Tactical Warfare System	32,238				32,238
0604567N	123	Ship Contract Design/ Live Fire T&E	138,017				138,017
0604574N	124	Navy Tactical Computer Resources	2,267				2,267
0604601N	125	Mine Development	1,497				1,497
0604603N	126	SLAM-ER	9,701				9,701
0604610N	127	Lightweight Torpedo Development	3,442				3,442
0604618N	128	Joint Direct Attack Munition	33,029				33,029
0604654N	129	Joint Service Explosive Ordnance Development	8,136				8,136
0604703N	130	Personnel, Training, Simulation, and Human Factors	1,941				1,941
0604710N	131	Navy Energy Program	0				0
0604721N	132	Ship Information Warfare	16,942				16,942

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0604727N	133	Joint Standoff Weapon Systems	775				775
0604755N	134	Ship Self Defense (Detect & Control) Integrated Radar Optical Surveillance and Sighting System	40,930	16,000		16,000	56,930
0604756N	135	Ship Self Defense (Engage: Hard Kill)	23,076				23,076
0604757N	136	Ship Self Defense (Engage: Soft Kill/EW)	35,508				35,508
0604771N	137	Medical Development Hemoglobin-based Oxygen Carrier	9,121	5,000		5,000	14,121
0604777N	138	Navigation/ID System	45,726				45,726
0604784N	139	Distributed Surveillance System	28,755				28,755
0604800N	140	Joint Strike Fighter (JSF)	2,171,736				2,171,736
0604910N	141	Navy IT	552				552
0605013M	142	Information Technology Development	8,835				8,835
0605013N	143	Information Technology Development Naval Collaboration Tool Set Open Architecture Wireless Sensors	30,562	9,000		8,000 1,000	39,562
0605014N	144	IT Development Defense Integrated Military Human Resource System	78,724	(28,000)		(28,000)	50,724
0605015N	145	Joint Counter-Intelligence Assessment Group (JCAG) - RDT&E	0				0
0605500N	146	Multi-mission Maritime Aircraft (MMA) Program Reduction	76,243	(17,500)		(17,500)	58,743
0508713N	147	Navy Standard Integrated Personnel System (NSIPS)	4,653				4,653
TOTAL, SYSTEM DEVELOPMENT & DEMONSTRATION			6,239,357	100,500	146,000	(45,500)	6,339,857
RDT&E MANAGEMENT SUPPORT							
0604256N	148	Threat Simulator Development	28,004				28,004
0604258N	149	Target Systems Development	37,638				37,638
0604759N	150	Major T&E Investment	43,908				43,908

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0605152N	151	Studies and Analysis Support - Navy	4,431				4,431
0605154N	152	Center for Naval Analyses Fleet Architecture Studies	40,726	1,600			42,326
0605155N	153	Fleet Tactical Development	2,006		1,600		2,006
0605502N	154	Small Business Innovative Research	0				0
0605804N	155	Technical Information Services	726				726
0605853N	156	Management, Technical & International Support	30,236				30,236
0605856N	157	Strategic Technical Support	3,883				3,883
0605861N	158	RDT&E Science and Technology Management	64,885				64,885
0605862N	159	RDT&E Instrumentation Modernization	13,554				13,554
0605863N	160	RDT&E Ship and Aircraft Support	78,648				78,648
0605864N	161	Test and Evaluation Support	258,471				258,471
0605865N	162	Operational Test and Evaluation Capability	12,094				12,094
0605866N	163	Navy Space and Electronic Warfare (SEW) Support	3,187				3,187
0605867N	164	SEW Surveillance/Reconnaissance Support	12,091				12,091
0605873M	165	Marine Corps Program Wide Support	16,635				16,635
0909999N	166	Financing for Cancelled Account Adjustments	0				0
TOTAL, RDT&E MANAGEMENT SUPPORT			651,123	1,600	1,600	0	652,723
OPERATIONAL SYSTEMS DEVELOPMENT							
0603660N	167	Advanced Development Projects					0
0603661N	168	Retract Violet					0
0101221N	169	Strategic Sub & Weapons System Support	104,793				104,793
0101224N	170	SSBN Security Technology Program	38,408				38,408
0101226N	171	Submarine Acoustic Warfare Development	2,955				2,955
0101402N	172	Navy Strategic Communications/E-6B	27,357				27,357
0203761N	173	Rapid Technology Transition (RTT)	14,662				14,662

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(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0204136N	174	F/A-18 Squadrons	179,047				179,047
0204152N	175	E-2 Squadrons	9,083				9,083
0204163N	176	Fleet Telecommunications (Tactical)	16,484				16,484
0204229N	177	Tomahawk and Tomahawk Mission Planning Center (TMPC)	71,385				71,385
0204311N	178	Integrated Surveillance System	14,278	7,500			21,778
		All Optical Underwater Segments			7,500		
0204413N	179	Amphibious Tactical Support Units	5,652				5,652
0204571N	180	Consolidated Training Systems Development	21,719	1,000			22,719
		Battle force tactical training coalition interoperability			1,000		
0204574N	181	Cryptologic Direct Support	1,466				1,466
0204575N	182	Electronic Warfare (EW) Readiness Support	11,927				11,927
0205601N	183	HARM Improvement	49,381				49,381
0205604N	184	Tactical Data Links	44,526				44,526
0205620N	185	Surface ASW Combat System Integration	12,179				12,179
0205632N	186	MK-48 ADCAP	17,227				17,227
0205633N	187	Aviation Improvements	60,073	3,000			63,073
		Automated Wire Analysis			3,000		
0205658N	188	Navy Science Assistance Program	7,236				7,236
0205667N	189	F-14 Upgrade	0				0
0205675N	190	Operational Nuclear Power Systems	62,751				62,751
0206313M	191	Marine Corps Communications Systems	235,722	4,000			239,722
		Digital Intelligence Situation Mapboard			4,000		
0206623M	192	Marine Corps Ground Combat/Supporting Arms Systems	35,439				35,439
0206624M	193	Marine Corps Combat Services Support	19,723				19,723
0207161N	194	Tactical AIM Missiles	2,322				2,322
0207163N	195	Advanced Medium Range Air-to-Air Missile (AMRAAM)	9,297				9,297
0301303N	196	Maritime Intelligence					0

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(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0301323N	197	Collection Management					0
0301327N	198	Technical Reconnaissance and Surveillance					0
0303109N	199	Satellite Communications (SPACE)	379,541	10,000			389,541
		Joint Integrated Satellite Communications Technology			10,000		
0303140N	200	Information Systems Security Program	18,404				18,404
0304111N	201	Special Activities					0
0305149N	202	COBRA JUDY	69,369				69,369
0305160N	203	Navy Meteorological and Ocean Sensors-Space (METOC)	4,966				4,966
0305188N	204	Joint C4ISR Battle Center (JBC)	50,413				50,413
0305192N	205	Joint Military Intelligence Programs	5,314				5,314
0305204N	206	Tactical Unmanned Aerial Vehicles	56,521	17,500			74,021
		Airborne Buried Mine Detection			2,000		
		Shadow 200 System Components for USMC			8,500		
		Unmanned Aerial Vehicle Joint Operational Test Bed System			7,000		
0305205N	207	Endurance Unmanned Aerial Vehicles	101,448	(8,400)			93,048
		Global Hawk Maritime Demonstration				(8,400)	
0305206N	208	Airborne Reconnaissance Systems	13,345	11,000			24,345
		Advanced Sensor Initiative			11,000		
0305207N	209	Manned Reconnaissance Systems	13,717				13,717
0305208N	210	Distributed Common Ground Systems	4,421	6,500			10,921
		Enterprise Targeting and Strike System (eTSS)			6,500		
0305927N	211	Naval Space Surveillance	0				0
0308601N	212	Modeling and Simulation Support	7,044				7,044
0702207N	213	Depot Maintenance (Non-IF)	9,073				9,073
0708011N	214	Industrial Preparedness	54,593				54,593
0708730N	215	Maritime Technology (MARITECH)	10,068				10,068
XXXXXXX	999	Classified Programs	1,028,497				1,028,497

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(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
		TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	2,901,826	52,100	60,500	(8,400)	2,953,926
xxx		Information Technology Reduction		(100,000)		(100,000)	(100,000)
		TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY	14,106,653	236,707	609,400	(372,693)	14,343,360

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(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE							
BASIC RESEARCH							
0601102F	1	Defense Research Sciences Chabot Space and Science Center	204,754	5,000		5,000	209,754
0601103F	2	University Research Initiatives	105,224				105,224
0601108F	3	High Energy Laser Research Initiatives	12,063				12,063
TOTAL, BASIC RESEARCH			322,041	5,000	5,000	0	327,041
APPLIED RESEARCH							
0602102F	4	Materials Nanomaterials Composite Fire Safety Consortium	68,657	7,500		5,500 2,000	76,157
0602201F	5	Aerospace Vehicle Technologies	65,662				65,662
0602202F	6	Human Effectiveness Applied Research Flexible Display and Integrated Communications Development	66,795	2,000		2,000	68,795
0602203F	7	Aerospace Propulsion Integrated High Payoff Rocket Propulsion Technology program	101,575	4,000		4,000	105,575
0602204F	8	Aerospace Sensors Advanced FT-IR Gas Analysis	75,577	2,000		2,000	77,577
0602500F	9	Multi-disciplinary Space Technology	90,526				90,526
0602601F	10	Space Technology Hardening Technologies for Satellite Protection	83,240	4,000		4,000	87,240
0602602F	11	Conventional Munitions	46,455				46,455
0602605F	12	Directed Energy Technology	35,359				35,359
0602702F	13	Command Control and Communications Central Measurement Intelligence Office	71,674	15,500		2,500	87,174

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(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
		MASINT Battlelab			5,000		
		MASINT Warfighter Visualization Tools			8,000		
0602805F	14	Dual Use Science and Technology Program	10,586				10,586
0602890F	15	High Energy Laser Research	41,854				41,854
TOTAL, APPLIED RESEARCH			757,960	35,000	35,000	0	792,960
ADVANCED TECHNOLOGY DEVELOPMENT							
0603112F	16	Advanced Materials for Weapon Systems	33,079	10,000			43,079
		Hybrid Bearings			3,000		
		Metals Affordability Initiative			7,000		
0603203F	17	Advanced Aerospace Sensors	36,550	3,500			40,050
		National Operational Signature Production and Research Capability			3,500		
0603205F	18	Flight Vehicle Technology	0				0
0603211F	19	Aerospace Technology Dev/Demo	73,416	3,000			76,416
		3D Bias Woven Preforms			3,000		
0603216F	20	Aerospace Propulsion and Power Technology	114,726				114,726
0603231F	21	Crew Systems and Personnel Protection Technology	34,487	2,000			36,487
		Laser Eye Protection			2,000		
0603270F	22	Electronic Combat Technology	28,496	4,800			33,296
		Advanced Threat Alert Receiver/Lightweight Modular Support Jammer			4,800		
0603311F	23	Ballistic Missile Technology	0	10,000			10,000
		Ballistic Missile Technology Program			10,000		
0603333F	24	Unmanned Air Vehicle Dev/Demo	0				0
0603401F	25	Advanced Spacecraft Technology	72,114	1,900			74,014
		SLV Thermal Protection Technology			1,900		
0603436F	26	Transformational Wideband MILSATCOM	0				0
0603444F	27	Maui Space Surveillance System (MSSS)	6,323	10,000			16,323

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
		High Accuracy Network Determination System (HANDS)			10,000		
0603500F	28	Multi-disciplinary Advanced Development Space Technology	62,610				62,610
0603601F	29	Conventional Weapons Technology	30,516				30,516
0603605F	30	Advanced Weapons Technology	27,024	3,500			30,524
		Laserspark Countermeasure Program			3,500		
0603723F	31	Environmental Engineering Technology	0	3,000			3,000
		Environmental Studies			3,000		
0603755F	32	High Performance Computing Modernization Program	185,282	16,200			201,482
		SMDC Simulation Center Computer Upgrade			16,200		
0603789F	33	C3I Advanced Development	31,538	6,500			38,038
		All-Source Fusion and Effects Based Operation for C2 Constellation			4,500		
		Fusion SIGINT Enhancements for Network-Centric Intelligence			2,000		
0603801F	34	Special Programs	369,483				369,483
0603850F	35	Integrated Broadcast Service	8,537				8,537
0603924F	36	High Energy Laser Advanced Technology Program	10,910				10,910
0207423F	37	Advanced Communications Systems	12,053				12,053
0401840F	38	AMC Command and Control System	6,046				6,046
0804757F	39	Joint National Training Center	2,940				2,940
TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT			1,146,130	74,400	74,400	0	1,220,530
ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES							
0603260F	40	Intelligence Advanced Development	4,513				4,513
0603287F	41	Physical Security Equipment	24,483	3,000			27,483
		Enhanced Techniques for Detection of Explosives			3,000		
0603421F	42	NAVSTAR Global Positioning System III	0	45,000			45,000
		Program Increase			45,000		
0603430F	43	Advanced EHF MILSATCOM (SPACE)	778,078	60,000			838,078

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
		Risk Reduction & Spare Parts for the First Two Satellites			60,000		
0603432F	44	Polar MILSATCOM (SPACE)	5,580				5,580
0603434F	45	National Polar-orbiting Operational Environmental Satellite Sys (SPACE)	267,716				267,716
0603438F	46	Space Control Technology	14,714				14,714
0603742F	47	Combat Identification Technology	16,575				16,575
0603790F	48	NATO Research and Development	3,888				3,888
0603791F	49	International Space Cooperative R&D	545				545
0603845F	50	Advanced Wideband System (AWS)	439,277	(80,000)			359,277
		Program Reduction				(80,000)	
0603850F	51	Integrated Broadcast Service	16,466				16,466
0603851F	52	Intercontinental Ballistic Missile	67,632				67,632
0603854F	53	Wideband Gapfiller System RDT&E (Space)	36,686				36,686
0603856F	54	Air Force/National Program Cooperation (AFNPC)	0				0
0603858F	55	Space-Based Radar	274,104				274,104
0603859F	56	Pollution Prevention	2,318				2,318
0603860F	57	Joint Precision Approach and Landing Systems	13,847				13,847
0604327F	58	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	12,633				12,633
0604731F	59	Unmanned Combat Air Vehicle (UCAV)	161,269				161,269
0604855F	60	Operationally Responsive Launch	24,440	12,000			36,440
		Program Increase			12,000		
0604856F	61	Common Aero Vehicle (CAV)	12,220	12,000	12,000		24,220
0603xxxF	XX	Next Generation Bomber		100,000	100,000		100,000
		TOTAL, ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	2,176,984	152,000	232,000	(80,000)	2,328,984
		SYSTEM DEVELOPMENT & DEMONSTRATION					
0603840F	62	Global Broadcast Service (GBS)	38,147				38,147
0604012F	63	Joint Helmet Mounted Cueing System (JHMCS)	843				843

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0604222F	64	Nuclear Weapons Support	13,396				13,396
0604226F	65	B-1B	88,703				88,703
0604233F	66	Specialized Undergraduate Flight Training	3,267				3,267
0604239F	67	F-22	620,740				620,740
0604240F	68	B-2 Advanced Technology Bomber	152,084	33,500			185,584
		Aft deck design			3,900		
		EHF SATCOM			29,600		
0604251F	69	Space-Based Radar	0				0
0604270F	70	EW Development	74,034	12,600			86,634
		Precision Location and Identification Technology Program			12,600		
0604280F	71	Joint Tactical Radio	48,814				48,814
0604287F	72	Physical Security Equipment	7,261				7,261
0604329F	73	Small Diameter Bomb (SDB)	126,447				126,447
0604421F	74	Counterspace Systems	82,565				82,565
0604435F	75	Interim Polar	13,740				13,740
0604441F	76	Space Based Infrared System (SBIRS) High EMD	617,229	15,000			632,229
		Program increase			15,000		
0604479F	77	Milstar LDR/MDR Satellite Communications (SPACE)	1,383				1,383
0604600F	78	Munitions Dispenser Development	15,849				15,849
0604602F	79	Armament/Ordnance Development	8,419				8,419
0604604F	80	Submunitions	4,717				4,717
0604617F	81	Agile Combat Support	5,574				5,574
0604618F	82	Joint Direct Attack Munition	34,061				34,061
0604706F	83	Life Support Systems	269				269
0604731F	84	Unmanned Combat Air Vehicle (UCAV)	14,675				14,675
0604735F	85	Combat Training Ranges	20,383				20,383
0604740F	86	Integrated Command & Control Applications (IC2A)	239	5,000			5,239

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
		Distributed Mission Interoperability Toolkit			5,000		
0604750F	87	Intelligence Equipment	1,320				1,320
0604754F	88	Tactical Data Link Infrastructure	14,675				14,675
0604762F	89	Common Low Observables Verification System (CLOVerS)	7,000				7,000
0604779F	90	Tactical Data Link Interoperability	0				0
0604800F	91	Joint Strike Fighter (JSF)	2,194,087				2,194,087
0604851F	92	Intercontinental Ballistic Missile	184,193				184,193
0604853F	93	Evolved Expendable Launch Vehicle Program (SPACE)	8,000				8,000
0605011F	94	RDT&E for Aging Aircraft	24,063				24,063
0207249F	95	Precision Attack Systems Procurement	0				0
0207256F	96	Unmanned Combat Air Vehicle Joint Program Office	4,892				4,892
0207434F	97	Link-16 Support and Sustainment	58,783				58,783
0207701F	98	Full Combat Mission Training	6,946				6,946
0305176F	99	Combat Survivor Evader Locator	14,684	7,700			22,384
		Program increase			7,700		
0401318F	100	CV-22	65,703				65,703
TOTAL, SYSTEM DEVELOPMENT & DEMONSTRATION			4,577,185	73,800	73,800	0	4,650,985
RDT&E MANAGEMENT SUPPORT							
0604256F	101	Threat Simulator Development	36,595				36,595
0604759F	102	Major T&E Investment	50,215				50,215
0605101F	103	RAND Project Air Force	24,586				24,586
0605306F	104	Ranch Hand II Epidemiology Study	4,692				4,692
0605502F	105	Small Business Innovation Research	0				0
0605712F	106	Initial Operational Test & Evaluation	34,646				34,646
0605807F	107	Test and Evaluation Support	336,720				336,720
0605860F	108	Rocket Systems Launch Program (SPACE)	9,673				9,673

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0605864F	109	Space Test Program (STP)	42,909				42,909
0605976F	110	Facilities Restoration and Modernization - Test and Evaluation Support	33,940				33,940
0605978F	111	Facilities Sustainment - Test and Evaluation Support	15,770				15,770
0804731F	112	Cyber Crime Center	318				318
0909900F	113	Financing for Expired Account Adjustments	0				0
0909980F	114	Judgment Fund Reimbursement	36,434				36,434
1001004F	115	International Activities	3,867				3,867
TOTAL, RDT&E MANAGEMENT SUPPORT			630,365	0	0	0	630,365
OPERATIONAL SYSTEMS DEVELOPMENT							
0604240F	116	B-2 Advanced Technology Bomber Air Force Requested Transfer to APAF-23	24,691	(24,691)		(24,691)	0
0605024F	117	Anti-Tamper Technology Executive Agency	7,855				7,855
0101113F	118	B-52 Squadrons	28,649				28,649
0101120F	119	Advanced Cruise Missile	13,364				13,364
0101122F	120	Air-Launched Cruise Missile (ALCM)	29,804				29,804
0101313F	121	Strat War Planning System - USSTRATCOM	1,748				1,748
0101815F	122	Advanced Strategic Programs	6,100				6,100
0102326F	123	Region/Sector Operation Control Center Modernization Program	22,573				22,573
0203761F	124	Warfighter Rapid Acquisition Process (WRAP) Rapid Transition Fund	0				0
0207028F	125	Joint Expeditionary Force Experiment	51,367				51,367
0207131F	126	A-10 Squadrons	29,729				29,729
0207133F	127	F-16 Squadrons	87,478	20,000			107,478
		AN/APG-68(V)9 Radar upgrade			10,000		
		Block 40/42 AN/APX-113 Integration for ANG			10,000		
0207134F	128	F-15E Squadrons	112,085	16,500			128,585
		F-15C/D Radar Block Upgrade			16,500		

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0207136F	129	Manned Destructive Suppression	20,633				20,633
0207138F	130	F-22 Squadrons	315,784				315,784
0207141F	131	F-117A Squadrons	14,752				14,752
0207161F	132	Tactical AIM Missiles	375				375
0207163F	133	Advanced Medium Range Air-to-Air Missile (AMRAAM)	32,429				32,429
0207224F	134	Combat Rescue and Recovery	0				0
0207247F	135	AF TENCAP	10,479	3,000			13,479
		Global Positioning System-Jammer Detection and Location System (GPS)			3,000		
0207248F	136	Special Evaluation Program	164,239				164,239
0207253F	137	Compass Call	3,790				3,790
0207268F	138	Aircraft Engine Component Improvement Program	180,112				180,112
0207277F	139	Eagle Vision	1,880				1,880
0207325F	140	Joint Air-to-Surface Standoff Missile (JASSM)	31,216				31,216
0207410F	141	Aerospace Operations Center (AOC)	27,887				27,887
0207412F	142	Battle Control Sys-Modular	16,083				16,083
0207417F	143	Airborne Warning and Control System (AWACS)	270,397				270,397
0207423F	144	Advanced Communications Systems	12,312				12,312
0207424F	145	Evaluation and Analysis Program	0				0
0207433F	146	Advanced Program Technology	263,392				263,392
0207438F	147	Theater Battle Management (TBM) C4I	31,647				31,647
0207445F	148	Fighter Tactical Data Link	42,877				42,877
0207446F	149	Bomber Tactical Data Link	12,959				12,959
0207448F	150	C2ISR Tactical Data Link	26,927				26,927
0207449F	151	MC2C (Multi-sensor Command and Control Constellation)	363,630				363,630
0207581F	152	Joint Surveillance and Target Attack Radar System (Joint STARS)	58,431				58,431
0207590F	153	Seek Eagle	19,587				19,587
0207591F	154	Advanced Program Evaluation	425,486				425,486

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0207601F	155	USAF Modeling and Simulation	8,483				8,483
0207605F	156	Wargaming and Simulation Centers	6,262				6,262
0208006F	157	Mission Planning Systems	62,348	(23,000)			39,348
		Air Force Mission Planning System Program Reduction				(23,000)	
0208021F	158	Information Warfare Support	12,091				12,091
0208160F	159	Technical Evaluation System	0				0
0208161F	160	Special Evaluation System	0				0
0301310F	161	National Air Intelligence Center					0
0301314F	162	COBRA BALL					0
0301315F	163	Missile and Space Technical Collection					0
0301324F	164	FOREST GREEN					0
0301398F	165	Management Headquarters GDIP					0
0302015F	166	E-4B National Airborne Operations Center (NAOC)	44,377				44,377
0303110F	167	Defense Satellite Communications System (SPACE)	0				0
0303112F	168	Air Force Communications (AIRCOM)	0				0
0303131F	169	Minimum Essential Emergency Communications Network (MEECN)	10,716				10,716
0303140F	170	Information Systems Security Program	37,667				37,667
0303141F	171	Global Combat Support System	17,473				17,473
0303150F	172	Global Command and Control System	3,547				3,547
0303401F	173	Communications Security (COMSEC)	0				0
0303601F	174	MILSATCOM Terminals	173,831				173,831
0304111F	175	Special Activities					0
0304311F	176	Selected Activities	107,800				107,800
0305099F	177	Global Air Traffic Management (GATM)	7,164				7,164
0305110F	178	Satellite Control Network (SPACE)	18,603	3,000			21,603
		Civil Reserve Space Service			3,000		
0305111F	179	Weather Service	16,317	4,400			20,717

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
		NPOESS Support Initiative			4,400		
0305114F	180	Air Traffic Control, Approach, and Landing System (ATCAL)	10,622				10,622
0305128F	181	Security and Investigative Activities	474				474
0305142F	182	Applied Technology and Integration					0
0305144F	183	Titan Space Launch Vehicles (SPACE)	0				0
0305148F	184	Tactical Measurement and Signature Intelligence (MASINT)	7,510				7,510
0305159F	185	Defense Reconnaissance Support Activities (SPACE)	232,287				232,287
0305160F	186	Defense Meteorological Satellite Program (SPACE)	918				918
0305164F	187	NAVSTAR Global Positioning System (User Equipment) (SPACE)	100,589				100,589
0305165F	188	NAVSTAR Global Positioning System (Space and Control Segments)	146,468				146,468
0305172F	189	Combined Advanced Applications					0
0305174F	190	Space Warfare Center	404				404
0305182F	191	Spacelift Range System (SPACE)	63,210				63,210
0305202F	192	Dragon U-2 (JMIP)	52,518				52,518
0305205F	193	Endurance Unmanned Aerial Vehicles	398,631	4,600			403,231
		Global Hawk Advanced Imagery Architecture			4,600		
0305206F	194	Airborne Reconnaissance Systems	77,823	8,800			86,623
		F-16 Theater Airborne Reconnaissance System			6,800		
		Ultra Wideband Laser Communications for ISR			2,000		
0305207F	195	Manned Reconnaissance Systems	14,726				14,726
0305208F	196	Distributed Common Ground Systems	27,107				27,107
0305906F	197	Integrated C2-Northcom	57,933				57,933
0305910F	198	SPACETRACK (SPACE)	118,234	20,000			138,234
		Air Force Space Fence			20,000		
0305911F	199	Defense Support Program (SPACE)	0				0
0305913F	200	NUDET Detection System (SPACE)	35,834	(9,200)			26,634
		Nuclear Detonation Detection System Program Reduction				(9,200)	

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0305917F	201	Space Architect	12,589				12,589
0308601F	202	Modeling and Simulation Support	0				0
0308699F	203	Shared Early Warning (SEW)	3,254				3,254
0401115F	204	C-130 Airlift Squadron	105,381				105,381
0401119F	205	C-5 Airlift Squadrons	356,570				356,570
0401130F	206	C-17 Aircraft	184,089				184,089
0401132F	207	C-130J Program	13,551				13,551
0401134F	208	Large Aircraft IR Countermeasures (LAIRCM)	45,946				45,946
0401218F	209	KC-135s	1,473				1,473
0401219F	210	KC-10s	2,306				2,306
0401839F	211	Air Mobility Tactical Data Link	0				0
0702207F	212	Depot Maintenance (Non-IF)	1,406				1,406
0708011F	213	Industrial Preparedness Metals Affordability Initiative	39,396	7,000			46,396
0708012F	214	Logistics Support Activities	0		7,000		0
0708026F	215	Productivity, Reliability, Availability, Maintain. Prog Ofc (PRAMPO) Aircraft Turbine Engine Sustainment	0	7,000		7,000	7,000
0708611F	216	Support Systems Development Low Emission/Efficient Hybrid Aviation Refueling Truck Propulsion	54,034	5,000		5,000	59,034
0708612F	217	Computer Resources Support Improvement Program (CRSIP)	0				0
0901212F	218	Service-Wide Support (Not Otherwise Accounted For)	4,392				4,392
0901218F	219	Civilian Compensation Program	7,130				7,130
0901538F	220	Financial Management Information Systems Development	13,464				13,464
XXXXXXXX	999	Classified	5,245,898	30,000	30,000		5,275,898
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT			10,725,593	72,409	129,300	(56,891)	10,798,002
xxx Information Technology Reduction				(200,000)		(200,000)	(200,000)

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
		TOTAL. RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE	20,336,258	212,609 0	549,500	(336,891)	20,548,867

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
RESEARCH, DEVELOPMENT, TEST & EVAL, DEFENSEWIDE							
BASIC RESEARCH							
0601101D8Z	1	In-House Laboratory Independent Research	0				0
0601101E	2	Defense Research Sciences	151,029	7,000			158,029
		Advanced Micro/Nano-Electromechanical Systems Technology			5,000		
		Integrated Nano- and Micro-manufacturing Technology			2,000		
0601103D8Z	3	University Research Initiatives	0				0
0601105D8Z	4	Force Health Protection	0				0
0601108D8Z	5	High Energy Laser Research Initiatives	0				0
0601111D8Z	6	Government/Industry Cosponsorship of University Research	0				0
0601114D8Z	7	Defense Experimental Program to Stimulate Competitive Research	0				0
0601384BP	8	Chemical and Biological Defense Program	35,831				35,831
TOTAL, BASIC RESEARCH			186,860	7,000	7,000	0	193,860
APPLIED RESEARCH							
0602227D8Z	9	Medical Free Electron Laser Program Increase	9,494	10,000		10,000	19,494
0602228D8Z	10	Historically Black Colleges and Universities (HBCU) Science	0				0
0602234D8Z	11	Lincoln Laboratory Research Program	27,231				27,231
0602301E	12	Computing Systems and Communications Technology	404,859				404,859
0602302E	13	Embedded Software and Pervasive Computing	13,318				13,318
0602383E	14	Biological Warfare Defense Asymmetric Protocols for Biological Defense	137,254	12,000		12,000	149,254
0602384BP	15	Chemical and Biological Defense Program Chemical Biological Defense Applied Research Initiative	106,451	25,000		25,000	131,451
0602702E	16	Tactical Technology	250,558				250,558
0602712E	17	Materials and Electronics Technology	465,544				465,544

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0602715BR	18	Nuclear Sustainment & Counterproliferation Technologies	0				0
0602716BR	19	WMD Defeat Technology	183,178	10,000			193,178
		Nuclear Weapons Effects			10,000		
0602717BR	20	Strategic Defense Technologies	116,049				116,049
0602787D8Z	21	Medical Technology	9,213				9,213
0602890D8Z	22	High Energy Laser Research	0				0
1160401BB	23	Special Operations Technology Development	9,715				9,715
1160407BB	24	SOF Medical Technology Development	1,961				1,961
TOTAL, APPLIED RESEARCH			1,734,825	57,000	57,000	0	1,791,825
ADVANCED TECHNOLOGY DEVELOPMENT							
0603002D8Z	25	Medical Advanced Technology	5,028	7,100			12,128
		Anti-Radiation Drug Development			7,100		
0603104D8Z	26	Explosives Demilitarization Technology	0				0
0603121D8Z	27	SO/LIC Advanced Development	31,300				31,300
0603122D8Z	28	Combating Terrorism Technology Support	60,526	14,800			75,326
		Facial Recognition Access Control Technology			3,000		
		Chemical Biological Electrostatic Decontamination System			4,800		
		Blast Mitigation Analysis			5,000		
		Magnetic Quadrupole Resonance Explosive Detection			2,000		
0603160BR	29	Counterproliferation Advanced Development Technologies	76,277				76,277
0603175C	30	Ballistic Missile Defense Technology	240,820	(55,800)			185,020
		Program Reduction				(55,800)	
		Silicon Carbide Wide Bandgap Technology			[5,500]		
		Silicon Brain Architecture			[2,000]		
0603225D8Z	31	Joint DoD-DoE Munitions Technology Development	25,011				25,011
0603232D8Z	32	Automatic Target Recognition	0				0

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0603285E	33	Advanced Aerospace Systems	323,730	10,000			333,730
		Suborbital Space Launch Operations Improvement			10,000		
0603384BP	34	Chemical and Biological Defense Program - Advanced Development	103,725	25,000			128,725
		Chemical Biological Defense Advanced Technology Demonstration Initiative			25,000		
0603704D8Z	35	Special Technical Support	11,693				11,693
0603711BR	36	Arms Control Technology	4,807				4,807
0603712S	37	Generic Logistics R&D Technology Demonstrations	22,359	1,000			23,359
		Connectory for Rapid Identification of Technology Sources			1,000		
0603716D8Z	38	Strategic Environmental Research Program	47,068				47,068
0603727D8Z	39	Joint Warfighting Program	9,685				9,685
0603728D8Z	40	Agile Port Demonstration	0				0
0603739E	41	Advanced Electronics Technologies	174,150				174,150
0603750D8Z	42	Advanced Concept Technology Demonstrations	213,361				213,361
0603752D8Z	43	Commercial Technology Insertion Program	0				0
0603755D8Z	44	High Performance Computing Modernization Program	0				0
0603760E	45	Command, Control and Communications Systems	242,738				242,738
0603762E	46	Sensor and Guidance Technology	342,914				342,914
0603763E	47	Marine Technology	13,898				13,898
0603764E	48	Land Warfare Technology / FCS	82,387				82,387
0603765E	49	Classified DARPA Programs	210,532				210,532
0603766E	50	Network-Centric Warfare Technology	95,654				95,654
0603769D8Z	51	Distributed Learning Advanced Technology Development	0				0
0603781D8Z	52	Software Engineering Institute	22,652				22,652
0603805S	53	Dual Use Application Programs	0				0
0603826D8Z	54	Quick Reaction Special Projects/Challenge Program	74,385				74,385
0603832D8Z	55	Joint Wargaming Simulation Management Office	44,887				44,887
0603924D8Z	56	High Energy Laser Advanced Technology Program	0				0

Title II - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0603942D8Z	57	Technology Link	2,000				2,000
0603943D8Z	58	Air-to-Air Technology Program reduction	2,000	(2,000)		(2,000)	0
0605160D8Z	59	Counterproliferation Support	1,882				1,882
0605803SE	60	R&D in Support of DoD Enlistment, Testing and Evaluation	13,757				13,757
1160402BB	61	Special Operations Advanced Technology Development Multi-Band Multi-Mission Radio	67,017	11,500		10,000	78,517
63xxxD8Z	61a	Computer Assisted Medical Diagnosis Joint Experimentation		151,058		1,500	151,058
		Joint Experimentation (Transfer from PE 63727N)			151,058		
TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT			2,566,243	162,658	220,458	(57,800)	2,728,901
ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES							
0603228D8Z	62	Physical Security Equipment	0				0
0603709D8Z	63	Joint Robotics Program	11,515				11,515
0603714D8Z	64	Advanced Sensor Applications Program Advanced Solid-state Dye Laser	16,718	18,500		6,500	35,218
		Multi-wavelength Surface Scanning Biologics Sensor				2,000	
		Advanced Sensor Applications Program Classified Program Increase				10,000	
0603736D8Z	65	CALS Initiative	4,000				4,000
0603851D8Z	66	Environmental Security Technical Certification Program	35,594				35,594
0603869C	67	Meads Concepts	0				0
0603879C	68	Advanced Concepts, Evaluations And Systems	151,696				151,696
0603880C	69	Ballistic Missile Defense System Segment	0				0
0603881C	70	Ballistic Missile Defense Terminal Defense Segment MEADS Transfer	810,440	313,259		276,259	1,123,699
		THAAD				37,000	

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Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0603882C	71	Ballistic Missile Defense Midcourse Defense Segment	3,613,266	29,900			3,643,166
		Aegis			7,000		
		Sea-Based X-Band Radar (SBX)			22,900		
		Common RF Scene Generation Capability			[4,800]		
0603883C	72	Ballistic Missile Defense Boost Defense Segment	626,264				626,264
0603884BP	73	Chemical and Biological Defense Program	162,142	15,000			177,142
		Primate Biomedical Laboratory Test and Evaluation Capability			15,000		
0603884C	74	Ballistic Missile Defense Sensors	438,242				438,242
0603886C	75	Ballistic Missile Defense System Interceptor	301,052	(150,000)			151,052
		System Interceptor Program reduction				(150,000)	
0603888C	76	Ballistic Missile Defense Test & Targets	611,522				611,522
0603889C	77	Ballistic Missile Defense Products	343,644	(31,100)			312,544
		Products Program reduction				(31,100)	
0603890C	78	Ballistic Missile Defense Systems Core	483,996	(45,000)			438,996
		System Core Program reduction				(45,000)	
		Wide Bandwidth Technology			[9,500]		
		Ballistic Missile Launch Canister Design and Manufacturing Improvements			[5,000]		
0603910D8Z	79	Strategic Capability Modernization	0				0
0603920D8Z	80	Humanitarian Demining	13,299				13,299
0603923D8Z	81	Coalition Warfare	5,906				5,906
0604722D8Z	82	Joint Service Education and Training Systems Development	0				0
0303191D8Z	83	Joint Electromagnetic Technology (JET) Program	6,362				6,362
TOTAL, ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES			7,635,658	150,559	376,659	(226,100)	7,786,217
SYSTEM DEVELOPMENT & DEMONSTRATION							
0604384BP	84	Chemical and Biological Defense Program	148,017				148,017
0604618D8Z	85	MANPADS Defense Program	25,000	(22,000)			3,000

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Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
		Program reduction				(22,000)	
0604709D8Z	86	Joint Robotics Program	13,597	12,500			26,097
		Packbot Tactical Mobile Robot			12,500		
0604764K	87	Advanced IT Services Joint Program Office (AITS-JPO)	18,910				18,910
0604771D8Z	88	Common Joint Tactical Information	10,633				10,633
0604861C	89	Theater High-Altitude Area Defense System - TMD	0				0
0604865C	90	Patriot PAC-3 Theater Missile Defense Acquisition	0				0
0604867C	91	Navy Area Theater Missile Defense	0				0
0605013BL	92	Information Technology Development	10,539	(10,539)			0
		Rapid Acquisition Incentives				(10,539)	
0605013D8Z	93	Software Development	0				0
0605015BL	94	Information Technology Development-Standard Procurement System (SPS)	5,195				5,195
0605016D8Z	95	Financial Management Modernization Program	84,688				84,688
0303129K	96	Defense Message System	10,170	(10,170)			0
		Program reduction				(10,170)	
0303140K	97	Information Systems Security Program	5,987				5,987
0303141K	98	Global Combat Support System	17,259				17,259
0305840K	99	Electronic Commerce	6,028				6,028
0305840S	100	Electronic Commerce	2,360				2,360
TOTAL, SYSTEM DEVELOPMENT & DEMONSTRATION			358,383	(30,209)	12,500	(42,709)	328,174
RDT&E MANAGEMENT SUPPORT							
0603757D8Z	101	Training Transformation (T2)	2,951				2,951
0603858D8Z	102	Unexploded Ordnance Detection and Clearance	0				0
0604774D8Z	103	Defense Readiness Reporting System (DRRS)	18,575				18,575
0604943D8Z	104	Thermal Vicar	7,157				7,157
0605104D8Z	105	Technical Studies, Support and Analysis	30,204	2,000			32,204

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(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
		National Defense University Sponsored Research Program			2,000		
0605110BR	106	Critical Technology Support	1,858				1,858
0605114D8Z	107	BLACK LIGHT	19,675				19,675
0605114E	108	BLACK LIGHT	0				0
0605116D8Z	109	General Support to C3I	24,638				24,638
0605117D8Z	110	Foreign Material Acquisition and Exploitation	33,916				33,916
0605123D8Z	111	Export License Control	8,837	(3,000)			5,837
		Program reduction - IT				(3,000)	
0605124D8Z	112	Defense Travel System	31,806				31,806
0605126J	113	Joint Theater Air and Missile Defense Organization	87,250				87,250
0605128D8Z	114	Classified Program USD(P)	0				0
0605130D8Z	115	Foreign Comparative Testing	34,873				34,873
0605384BP	116	Chemical and Biological Defense Program	39,345				39,345
0605502C	117	Small Business Innovative Research - MDA	0				0
0605502E	118	Small Business Innovative Research	0				0
0605710D8Z	119	Classified Programs - C3I	20,556				20,556
0605790D8Z	120	Small Business Innovation Research/Challenge Administration	2,026				2,026
0605798S	121	Defense Technology Analysis	5,209				5,209
0605799D8Z	122	Force Transformation	19,675				19,675
0605801K	123	Defense Technical Information Services (DTIC)	44,162				44,162
0605803SE	124	R&D in Support of DoD Enlistment, Testing and Evaluation	8,858				8,858
0605804D8Z	125	Development Test and Evaluation	8,938				8,938
0605898E	126	Management Headquarters (Research and Development) DARPA	45,002				45,002
0901585C	127	Pentagon Reservation	14,481				14,481
0901598C	128	Management Headquarters - MDA	93,441				93,441
0901598D8W	129	IT Software Dev Initiatives	8,605				8,605
0909999E	130	Financing for Cancelled Account Adjustments	0				0

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(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
TOTAL, RDT&E MANAGEMENT SUPPORT			612,038	(1,000)	2,000	(3,000)	611,038
OPERATIONAL SYSTEMS DEVELOPMENT							
0604805D8Z	131	Commercial Operations and Support Savings Initiative	0				0
0605127T	132	Partnership for Peace (PfP) Information Management System	1,934				1,934
0605601D8Z	133	RDT&E Transformational Programs	0				0
0607384BP	134	Chemical and Biological Defense (Operational Systems Development)	3,442				3,442
0208043J	135	ISLAND SUN	1,469				1,469
0208045K	136	C4I Interoperability	42,415				42,415
0208052J	137	Joint Analytical Model Improvement Program	7,254				7,254
0300205R	138	Information Technology Systems	550				550
0301011G	139	Cryptologic Activities					0
0301301L	140	General Defense Intelligence Program					0
0301398L	141	Management Headquarters GDIP, DIA					0
0302016K	142	National Military Command System-Wide Support	1,133				1,133
0302019K	143	Defense Info Infrastructure Engineering and Integration	2,460				2,460
0303126K	144	Long Haul Communications (DCS)	1,401				1,401
0303127K	145	Support of the National Communications System	0				0
0303131K	146	Minimum Essential Emergency Communications Network (MEECN)	7,198				7,198
0303140D8Z	147	Information Systems Security Program	14,790				14,790
0303140G	148	Information Systems Security Program	476,657	750			477,407
		Program Increase			750		
0303149J	149	C4I for the Warrior	4,199				4,199
0303149K	150	C4I for the Warrior	37,100				37,100
0303150K	151	Global Command and Control System	49,991	(17,000)			32,991
		Program reduction - IT				(17,000)	

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(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0303153K	152	Joint Spectrum Center	18,850				18,850
0303165K	153	Defense Collaboration Tool Suite (DCTS)	14,915				14,915
0303170K	154	Net-Centric Enterprise Services (NCES)	40,830	(40,830)			0
		Program reduction - IT				(40,830)	
0303610K	155	Teleport Program	10,462				10,462
0304210BB	156	Special Applications for Contingencies	24,587				24,587
0304345BQ	157	National Imagery and Mapping Program					0
0305102BQ	158	Defense Imagery and Mapping Program GeoSAR	161,873	12,200			174,073
					12,200		
0305125D8Z	159	Critical Infrastructure Protection (CIP)	2,051				2,051
0305127BZ	160	Foreign Counterintelligence Activities					0
0305127V	161	Foreign Counterintelligence Activities	0				0
0305146BZ	162	Defense Joint Counterintelligence Program (JMIP)	82,266				82,266
0305146D8Z	163	Defense Joint Counterintelligence Program (JMIP) Defense Joint Counterintelligence Program Deception Program	30,757	7,500			38,257
					7,500		
0305190D8Z	164	C3I Intelligence Programs	132,094				132,094
0305191D8Z	165	Technology Development Program reduction	249,152	(22,500)			226,652
						(22,500)	
0305193L	166	Intelligence Support to Information Operations (IO)					0
0305202G	167	Dragon U-2 (JMIP)	2,747				2,747
0305206G	168	Airborne Reconnaissance Systems	12,184				12,184
0305207G	169	Manned Reconnaissance Systems	4,424				4,424
0305208BQ	170	Distributed Common Ground Systems					0
0305208G	171	Distributed Common Ground Systems					0
0305208L	172	Distributed Common Ground Systems	979				979
0305883L	173	Hard and Deeply Buried Target (HDBT) Intel Support					0
0305884L	174	Intelligence Planning and Review Activities					0

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Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
0305885G	175	Tactical Cryptologic Activities	112,691				112,691
0305889G	176	Counterdrug Intelligence Support	0				0
0305917D8Z	177	National Security Space Architect (NSSA)	0				0
0708011S	178	Manufacturing Technology Titanium Reduction Processes	16,163	4,000	4,000		20,163
0708012S	179	Logistics Support Activities	35,781				35,781
0902298J	180	Management Headquarters (JCS)	18,943				18,943
1001018D8Z	181	NATO Joint STARS	24,721				24,721
1160279BB	182	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	0				0
1160401BB	183	Special Operations Technology Development	0				0
1160402BB	184	Special Operations Advanced Technology Development	0				0
1160404BB	185	Special Operations Tactical Systems Development Advanced Target Identification Capability for AC-130U Gunship Cobra Blue Force Tracking	255,981	10,000	6,500 3,500		265,981
1160405BB	186	Special Operations Intelligence Systems Development	16,726				16,726
1160407BB	187	SOF Medical Technology Development	0				0
1160408BB	188	SOF Operational Enhancements	64,430				64,430
XXXXXXXX	999	Classified	2,894,650				2,894,650
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT			4,880,250	(45,880)	34,450	(80,330)	4,834,370
xxx		Information Technology Reduction		(100,000)		(100,000)	(100,000)
TOTAL, RDT&E, DEFENSE-WIDE			17,974,257	200,128	710,067	(509,939)	18,174,385

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(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
OPERATIONAL TEST & EVAL, DEFENSE							
0603941D8Z	1	Test & Evaluation Science & Technology	12,804				12,804
0604940D8Z	2	Central Test and Evaluation Investment Development (CTEIP)	123,215				123,215
0605118D8Z	3	Operational Test and Evaluation	37,323				37,323
0605131D8Z	4	Live Fire Testing	10,074				10,074
0605804D8Z	5	Development Test and Evaluation	103,245				103,245
TOTAL, OPERATIONAL TEST & EVAL, DEFENSE			286,661	0	0	0	286,661

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(Dollars in Thousands)

Program Element Number	R-1 Line	PROGRAM TITLE	FY 2004 Authorization Request	Committee Change	Committee Increase	Committee Decrease	FY 2004 Committee Authorization
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