

Army's modularity initiative. The provision would also require that the Comptroller General conduct an annual review of the modularity initiative and the progress that the Army is making in the equipping of the active and reserve components.

The House bill contained no similar provision.

The Senate recesses.

The conferees note that the reporting requirements of this provision are incorporated elsewhere in this report.

Funding for the Call for Fire Trainer/Joint Fires and Effects Trainer System

The House bill contained a provision (sec. 115) that would authorize \$4.0 million for the procurement of the Call for Fire Trainer/Joint Fires and Effects Trainer System for the Army.

The Senate amendment contained no similar provision.

The House recesses.

The conference outcome is reflected in the tables of this report in Other Procurement, Army, line number 169.

Air Force program

The House bill contained a provision (sec. 137) that would authorize an increase of \$6.0

million in section 103 for Other Procurement, Air Force for Science Engineering Lab Data Integration at Ogden Air Logistics Center, Utah. This would be offset by an equal decrease in PE 62301E for Information and Communications Technology.

The Senate amendment contained no similar provision.

The House recesses.

The conference outcome is reflected in the tables of this report.

Multi-spectral imaging capabilities

The Senate amendment contained a provision (sec. 148) that would: (1) express the sense of the Senate that the Air Force should investigate ways to retain the multi-spectral imaging capabilities of the Senior Year Electro-optical Reconnaissance System (SYERS-2) that would otherwise be lost with the retirement of the U-2 aircraft; and (2) require that the Secretary of the Air Force provide a plan for migrating these multi-spectral capabilities to the Global Hawk unmanned aerial vehicle.

The House bill contained no similar provision.

The Senate recesses.

The conferees expect the Secretary to develop a plan for migrating the multi-spectral imaging capability provided by the SYERS-2 capabilities from the U-2 to the Global Hawk, and provide the results of that plan to the congressional defense committees with the submission of the fiscal year 2008 budget request.

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

BUDGET ITEMS

Research, Development, Test, and Evaluation overview

The budget request included \$73,156.0 million in Research, Development, Test, and Evaluation for the Department of Defense.

The House bill would authorize \$74,054.6 million.

The Senate amendment would authorize \$74,268.1 million.

The conferees agree to authorize \$73,608.0 million.

Unless noted explicitly in the statement of managers, all changes are made without prejudice.

NATIONAL DEFENSE AUTHORIZATION FOR FISCAL YEAR 2007
(Dollars in Thousands)

<u>Title II — RESEARCH, DEVELOPMENT, TEST & EVALUATION</u>	<u>Authorization Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
Research, Development, Test & Evaluation, Army	10,855,559	10,925,209	11,167,009	21,050	10,876,609
Research, Development, Test & Evaluation, Navy	16,912,223	17,377,769	17,459,823	471,634	17,383,857
Research, Development, Test & Evaluation, Air Force	24,396,767	24,810,041	23,970,857	-160,816	24,235,951
Research, Development, Test & Evaluation, Defense-wide	20,809,939	20,760,039	21,488,939	120,100	20,930,039
Operational Test & Evaluation	181,520	181,520	181,520	0	181,520
TOTAL RDT&E	73,156,008	74,054,578	74,268,148	451,968	73,607,976

*Research, Development, Test, and Evaluation,
Army overview*

The budget request included \$10,855.6 million in Research, Development, Test, and

Evaluation, Army for the Department of Defense.

The House bill would authorize \$10,925.2 million.

The Senate amendment would authorize \$11,167.0 million.

The conferees agree to authorize \$10,876.6 million.

Unless noted explicitly in the statement of managers, all changes are made without prejudice.

Title II-RDT and E
(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
			RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY					
2040	0601101A	1	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	19,402	19,402	19,402		19,402
2040	0601102A	2	DEFENSE RESEARCH SCIENCES	137,568	146,568	151,668	14,100	151,668
			Advanced ground reliability research			[1,000]	[1,000]	
			Document exploitation			[4,000]	[1,000]	
			Integrated nanosensor technologies for NBC detection applications			[1,000]	[1,000]	
			Dynamic landscape support program			[2,000]	[1,000]	
			Nanomaterials for ISR			[3,000]	[1,000]	
			Organic semiconductor modeling and simulation research			[2,100]	[2,100]	
			Early career awards			[1,000]		
			Advanced carbon nanotechnology		[3,000]		[3,000]	
			Chemical mechanical planarization		[2,000]		[1,000]	
			Functionally integrated reactive surfaces technology		[4,000]		[3,000]	
2040	0601103A	3	UNIVERSITY RESEARCH INITIATIVES	68,545	68,545	80,545	1,000	69,545
			Low temperature vehicle performance research			[2,000]	[1,000]	
			University research initiative (S. Amdt)			[10,000]		
2040	0601104A	4	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	86,416	91,416	93,666	5,250	91,666
			Information assurance			[1,000]	[1,000]	
			Integrated systems in sensing, imaging and communications research			[2,000]	[2,000]	
			Nanotubes composite materials research			[2,000]	[2,000]	
			Development of slow rotor concepts			[2,000]		
			SOUTHCOM regional analyses			[1,000]	[1,000]	
			Transparent nanocomposite armor			[1,000]	[1,000]	
			Modeling and analysis of response structures			[250]	[250]	
2040	0601105A	5	FORCE HEALTH PROTECTION		[5,000]			

Title II-RDT and E
(Dollars in Thousands)

<u>Acct</u>	<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2007</u>	<u>House</u>	<u>Senate</u>	<u>Conference</u>	<u>Conference</u>
				<u>Request</u>	<u>Authorized</u>	<u>Authorized</u>	<u>Change</u>	<u>Authorized</u>
2040	0602105A	6	MATERIALS TECHNOLOGY	18,822	29,872	24,222	13,900	32,722
			Thermoplastic composite body armor			[1,000]	[1,000]	
			Future affordable multi-utility materials			[1,600]	[1,600]	
			Improvised explosive device simulations in different soils		[500]	[500]	[500]	
			Control system for the laser powder deposition manufacturing process			[300]	[300]	
			Munition shape charge control research			[2,000]	[2,000]	
			Cutting tools for aerospace materials		[3,000]		[3,000]	
			Nano manufacturing of multifunction sensors		[3,000]		[2,000]	
			Ultrasonic consolidation for advanced materials fabrication		[4,500]		[3,500]	
2040	0602120A	7	SENSORS AND ELECTRONIC SURVIVABILITY	38,428	43,428	42,928	8,200	46,628
			Advanced microelectronics manufacturing			[3,000]	[3,000]	
			Lighter-than-air unmanned vehicle with scalable payload capabilities			[1,500]	[1,500]	
			Flexible display initiative		[5,000]		[3,700]	
2040	0602122A	8	TRACTOR HIP	8,466	8,466	8,466		8,466
2040	0602211A	9	AVIATION TECHNOLOGY	32,804	42,804	32,804	4,000	36,804
			Center for rotorcraft innovation		[10,000]		[4,000]	
2040	0602270A	10	ELECTRONIC WARFARE TECHNOLOGY	19,218	34,118	19,218	5,800	25,018
			See through-the-wall viewer		[7,400]			
			Battlelab technologies for Silver Fox UAS		[5,000]		[3,500]	
			Xenon light source for small UAVs		[2,500]		[2,300]	
2040	0602303A	11	MISSILE TECHNOLOGY	59,439	59,439	65,439	6,000	65,439
			Hypervelocity ground testing			[3,500]	[3,500]	
			Unmanned air systems technology			[2,500]	[2,500]	
2040	0602307A	12	ADVANCED WEAPONS TECHNOLOGY	19,430	19,430	19,430		19,430
2040	0602308A	13	ADVANCED CONCEPTS AND SIMULATION	16,181	16,181	19,181	3,000	19,181
			Surveillance and targeting robot platform			[3,000]	[3,000]	

Title II-RDT and E
(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
2040	0602601A	14	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY	59,304	79,804	62,804	6,800	66,104
			Advanced electrical drive		[3,500]	[2,500]	[2,500]	
			Light utility vehicle		[6,000]			
			Nanofluids for lubricants and coolants		[3,000]		[1,300]	
			Transportation energy research		[3,000]		[3,000]	
			Bio-robotics		[5,000]			
			Legged mobility robotic research (S. Amndt)			[1,000]		
2040	0602618A	15	BALLISTICS TECHNOLOGY	52,221	54,221	52,221		52,221
			Robotic-based through the wall detector		[2,000]			
2040	0602622A	16	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY	2,212	2,212	2,212		2,212
2040	0602623A	17	JOINT SERVICE SMALL ARMS PROGRAM	6,247	6,247	6,247		6,247
2040	0602624A	18	WEAPONS AND MUNITIONS TECHNOLOGY	35,344	47,744	45,344	14,000	49,344
			Transition of active coatings technology		[4,400]	[2,000]	[2,000]	
			Parts-on-demand			[3,000]	[3,000]	
			UGV weaponization			[2,500]	[2,500]	
			Rarefaction wave gun			[2,500]	[2,500]	
			Head aimed weapons for UGVs					
			High power electrolytic supercapacitors					
2040	0602705A	19	ELECTRONICS AND ELECTRONIC DEVICES	42,175	59,575	42,175	[4,000]	49,775
			Next generation gaseous diffusion layer for direct methanol fuel cells		[5,000]			
			Advanced components for high power solid state lasers		[6,900]		[3,600]	
			E Beam reticle and lithography inspection tool		[3,000]		[3,000]	
			Nanofluidic electronic biosensors		[2,500]		[1,000]	
2040	0602709A	20	NIGHT VISION TECHNOLOGY	23,907	29,907	23,907	2,000	25,907
			Mini-sensors for UAVs		[6,000]		[2,000]	

Title II-RDT and E
(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
2040	0602712A	21	COUNTERMINE SYSTEMS	22,088	24,588	22,088		22,088
			High gain ground penetrating radar		[2,500]			
2040	0602716A	22	HUMAN FACTORS ENGINEERING TECHNOLOGY	18,858	42,858	21,358	25,500	44,358
			Team performance and optimization research			[2,500]	[2,500]	
			MANPRINT		[4,000]		[3,000]	
			Collaborative research in military consequence management		[20,000]		[20,000]	
2040	0602720A	23	ENVIRONMENTAL QUALITY TECHNOLOGY	17,923	17,923	22,923	2,500	20,423
			Mapping and detection of UXO			[5,000]	[2,500]	
2040	0602782A	24	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY	21,193	25,193	21,193	2,000	23,193
			Integrated digital environment service model		[4,000]		[2,000]	
2040	0602783A	25	COMPUTER AND SOFTWARE TECHNOLOGY	3,844	3,844	3,844		3,844
2040	0602784A	26	MILITARY ENGINEERING TECHNOLOGY	50,098	50,098	50,098		50,098
2040	0602785A	27	MANPOWER/PERSONNEL TRAINING TECHNOLOGY	16,200	16,200	16,200		16,200
2040	0602786A	28	WARFIGHTER TECHNOLOGY	25,436	30,736	28,936	3,500	28,936
			Ballistic tent inserts			[2,000]		
			Biosecurity research for soldier food safety		[5,300]	[1,500]	[1,500]	
			Warfighter sustainment		89,707	89,907	7,500	82,907
2040	0602787A	29	MEDICAL TECHNOLOGY	75,407				
			Advanced bioengineering for enhancement of soldier survivability			[2,000]	[1,000]	
			Blast protection research			[1,000]	[1,000]	
			Protein hydrogel treatment		[6,300]	[2,500]	[1,500]	
			Prosthetic research for lower limb amputations		[2,000]		[2,000]	
			Moment of care information system		[3,000]		[1,000]	
			Tissue regeneration technologies		[3,000]		[1,000]	
2040	0603001A	30	WARFIGHTER ADVANCED TECHNOLOGY	45,666	48,666	45,666	3,000	48,666
			MRE high pressure processing		[3,000]		[3,000]	

Title II-RDT and E
(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
2040	0603002A	31	MEDICAL ADVANCED TECHNOLOGY	50,757	58,257	74,257	21,000	71,757
			Advanced lower limb prosthesis			[2,000]	[2,000]	
			Applied emergency hypothermia			[3,000]	[3,000]	
			Fibrinogen bandage improvements			[3,000]	[3,000]	
			Integrated clinical information systems			[2,000]	[1,500]	
			Medical imaging			[1,000]	[1,000]	
			Tissue engineering research			[2,000]		
			Diagnosis and treatment of post traumatic stress disorder			[2,000]	[2,000]	
			Soldier treatment and regeneration research			[3,500]		
			Surgical Safety System			[2,000]		
			Robotic tele-surgery research			[3,000]	[3,000]	
			Thunderbolt		[3,500]		[3,000]	
			Oxygen diffusion dressing		[1,000]		[1,000]	
			Nightingale		[3,000]		[1,500]	
2040	0603003A	32	AVIATION ADVANCED TECHNOLOGY	64,654	84,154	81,154	23,500	88,154
			Excalibur			[14,000]	[10,000]	
			Quick Materiel Express Delivery System			[2,500]	[2,500]	
			Polymer matrix composites for rotorcraft drive systems		[6,000]		[2,000]	
			Lightweight armored window technology		[2,500]		[1,000]	
			Vectored thrust ducted propeller		[6,500]		[5,000]	
			FADEC		[3,000]		[3,000]	
			High performance gear for rotorcraft transmission		[1,500]			
2040	0603004A	33	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY	74,717	94,217	76,717	3,000	77,717
			Nanotechnology manufacturing			[2,000]	[2,000]	
			High explosive airburst capability		[10,000]			
			Mobile Assessment Detection Response System		[6,500]			
			Precision aspheric optics		[3,000]		[1,000]	

Title II-RDT and E
(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
2040	0603005A	34	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOG	109,952	125,102	144,952	35,000	144,952
			Advanced thermal management controls			[2,000]	[2,000]	
			Anti-ballistic windshield armor			[3,000]	[3,000]	
			Armored composite cab program			[3,000]	[3,000]	
			Compressible magneto-rheological (CMR) fluids		[1,250]	[1,000]	[1,000]	
			Logistical fuel processors			[1,500]	[1,500]	
			Fuel cell ground support equipment demonstration			[3,000]	[3,000]	
			Next generation nontactical vehicle propulsion			[3,000]	[3,000]	
			Segmented band track		[2,000]	[1,500]	[1,500]	
			Solid oxide fuel cell materials and manufacturing			[2,000]	[2,000]	
			Tactical vehicle design tools			[2,000]	[2,000]	
			Power electronics systems research			[3,000]	[3,000]	
			Unmanned ground vehicle initiative			[10,000]	[10,000]	
			Coal to liquid fuels		[5,000]	[3,000]	[3,000]	
			Fastening and joining research		[6,900]			
2040	0603006A	35	COMMAND, CONTROL, COMMUNICATIONS ADVANCED TECH	10,851	10,851	10,851		10,851
2040	0603007A	36	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECH	6,794	10,294	8,794	2,000	8,794
			Adaptive command and control team training		[3,500]	[2,000]	[2,000]	
2040	0603008A	37	ELECTRONIC WARFARE ADVANCED TECHNOLOGY	44,022	59,022	44,022	11,500	55,522
			Man Portable Emergency Broadband System		[4,000]		[4,000]	
			Advanced wireless technologies		[4,000]		[1,500]	
			Applied communications and information networking		[7,000]		[6,000]	
2040	0603009A	38	TRACTOR HIKE	9,324	9,324	9,324		9,324
2040	0603015A	39	NEXT GENERATION TRAINING & SIMULATION SYSTEMS	18,296	18,296	24,296	4,000	22,296
			Joint Fires and Effects Training System			[6,000]	[4,000]	
2040	0603020A	40	TRACTOR ROSE	5,183	5,183	5,183		5,183

Title II-RDT and E
(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
2040	0603100A	41	IED DEFEAT TECHNOLOGY DEVELOPMENT					
2040	0603103A	42	EXPLOSIVES DEMILITARIZATION TECHNOLOGY	10,376	22,576	12,376	7,000	17,376
			Missile recycling capability		[6,000]	[2,000]	[2,000]	
			Supercritical water oxidation demilitarization		[6,200]		[5,000]	
2040	0603105A	43	MILITARY HIV RESEARCH	7,042	7,042	7,042		7,042
2040	0603125A	44	COMBATING TERRORISM, TECHNOLOGY DEVELOPMENT	7,497	7,497	7,497		7,497
2040	0603238A	45	GLOBAL SURVEILLANCE/AIR DEFENSE/PRECISION STRIKE TEC	12,995	12,995	12,995		12,995
2040	0603270A	46	ELECTRONIC WARFARE TECHNOLOGY	18,612	18,612	18,612		18,612
2040	0603313A	47	MISSILE AND ROCKET ADVANCED TECHNOLOGY	42,127	58,127	42,127	4,500	46,627
			Smart energetics architecture		[6,000]		[2,000]	
			Compact kinetic energy missile		[10,000]		[2,500]	
2040	0603322A	48	TRACTOR CAGE	19,192	19,192	19,192		19,192
2040	0603606A	49	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOG	25,554	25,554	25,554		25,554
2040	0603607A	50	JOINT SERVICE SMALL ARMS PROGRAM	7,202	14,702	7,202	2,000	9,202
			Lightweight small arms technologies		[7,500]		[2,000]	
2040	0603710A	51	NIGHT VISION ADVANCED TECHNOLOGY	44,307	68,507	44,307	4,000	48,307
			Intelligent surveillance sensor suite		[6,000]		[4,000]	
			Helo Wire and Obstacle Avoidance System		[4,000]			
			Hyper spectral imaging		[3,000]			
			Personal miniature thermal viewer		[5,000]			
			Warfighter Enhanced Vision System		[3,200]			
			Soldier Mobility and Rifle Targeting System (SMaRTS)		[3,000]			
2040	0603728A	52	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATION:	14,089	14,089	14,089		14,089
2040	0603734A	53	MILITARY ENGINEERING ADVANCED TECHNOLOGY	7,848	13,848	7,848		7,848
			Gas engine air conditioning demonstration		[6,000]			

Title II-RDT and E
(Dollars in Thousands)

<u>Acct</u>	<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2007</u>	<u>House</u>	<u>Senate</u>	<u>Conference</u>	<u>Conference</u>
				<u>Request</u>	<u>Authorized</u>	<u>Authorized</u>	<u>Change</u>	<u>Authorized</u>
2040	0603772A	54	ADVANCED TACTICAL COMPUTER SCIENCE AND SENSOR TEC	64,604	85,204	67,604	13,400	78,004
			Hand-held phraselator translation technology			[3,000]	[2,000]	
			Communications electronics cost module		[11,000]		[7,000]	
			Digital array radars		[5,000]		[2,000]	
			Instant language translator		[4,600]		[2,400]	
2040	0603024A	55	UNIQUE ITEM IDENTIFICATION (UID)	1,520	1,520	1,520		1,520
2040	0603305A	56	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION(NON SPACE	11,233	29,233	62,233	34,000	45,233
			Advanced hypersonic weapon mod & sim		[6,000]	[11,000]	[6,000]	
			Distributed ops control center			[5,000]	[3,000]	
			Missile & space model and simulation technology			[4,000]	[4,000]	
			Future TOC hardware			[5,000]	[3,000]	
			Protected test link			[2,000]		
			Thermal protection systems for hypersonics			[3,000]	[2,000]	
			Low cost avionics			[2,000]	[2,000]	
			Advanced fuel cell research			[2,000]	[2,000]	
			High Sentinel airship			[2,000]		
			Advanced electronics integration			[5,000]	[5,000]	
			Standoff sensor for radionuclide identification			[10,000]	[3,000]	
			Next generation advanced materials				[2,000]	
			Radiation hardening initiative				[2,000]	
			Advanced solid rocket and gel propellants					
2040	0603308A	57	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION (SPACE)	11,771	11,771	31,771	5,000	16,771
			Advanced hypersonic weapon			[20,000]	[5,000]	
2040	0603327A	58	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	143,417	143,417	146,417		143,417
			ASMD architecture analysis program			[3,000]		
2040	0603619A	59	LANDMINE WARFARE AND BARRIER - ADV DEV	8,439	8,439	8,439		8,439

Title II-RDT and E

(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
2040	0603627A	60	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV	10,714	10,714	10,714		10,714
2040	0603639A	61	TANK AND MEDIUM CALIBER AMMUNITION					
2040	0603653A	62	ADVANCED TANK ARMAMENT SYSTEM (ATAS)	5,415	15,415	5,415	4,000	9,415
			Open architecture electronic enhancements		[10,000]		[4,000]	
2040	0603747A	63	SOLDIER SUPPORT AND SURVIVABILITY	2,778	2,778	2,778		2,778
2040	0603766A	64	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM - ADV DEV	20,077	20,077	20,077		20,077
2040	0603774A	65	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	5,337	5,337	5,337		5,337
2040	0603779A	66	ENVIRONMENTAL QUALITY TECHNOLOGY	5,166	9,566	10,166	3,000	8,166
			Demonstration and validation			[5,000]		
			Vanadium technology partnership		[4,400]		[3,000]	
2040	0603782A	67	WARFIGHTER INFORMATION NETWORK-TACTICAL	158,157	118,157	158,157	-30,000	128,157
			Program decrease		[-40,000]		[-30,000]	
2040	0603790A	68	NATO RESEARCH AND DEVELOPMENT	4,946	4,946	4,946		4,946
2040	0603801A	69	AVIATION - ADV DEV	6,542	6,542	6,542		6,542
2040	0603802A	70	WEAPONS AND MUNITIONS - ADV DEV					
2040	0603804A	71	LOGISTICS AND ENGINEER EQUIPMENT - ADV DEV	13,216	13,216	13,216		13,216
2040	0603805A	72	COMBAT SERVICE SUPPORT CONTROL SYSTEM EVALUATION	8,645	8,645	8,645		8,645
2040	0603807A	73	MEDICAL SYSTEMS - ADV DEV	11,973	11,973	11,973		11,973
2040	0603827A	74	SOLDIER SYSTEMS - ADVANCED DEVELOPMENT	10,605	10,605	10,605		10,605
2040	0603850A	75	INTEGRATED BROADCAST SERVICE	1,135	1,135	1,135		1,135
2040	0603856A	76	SCAMP BLOCK II					
2040	0603869A	77	MEDIUM EXTENDED AIR DEFENSE SYSTEM (MEADS) CONCEPT	61,946	61,946	61,946	-10,000	51,946
2040	0604201A	78	AIRCRAFT AVIONICS				[-10,000]	
			Program decrease					
2040	0604220A	79	ARMED, DEPLOYABLE OH-58D	132,781	132,781	132,781		132,781

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(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
2040	0604270A	80	ELECTRONIC WARFARE DEVELOPMENT	41,655	46,655	41,655		41,655
			APR-39 radar warning receiver upgrade		[5,000]			
2040	0604280A	81	JOINT TACTICAL RADIO	832,259	828,259	832,259		832,259
			Program decrease (HASC Amdt)		[-4,000]			
2040	0604321A	82	ALL SOURCE ANALYSIS SYSTEM	7,074	7,074	7,074		7,074
2040	0604328A	83	TRACTOR CAGE	16,057	16,057	16,057		16,057
2040	0604329A	84	COMMON MISSILE					
2040	0604601A	85	INFANTRY SUPPORT WEAPONS	31,748	39,748	31,748	3,000	34,748
			Subcompact 5.56mm personal defense weapon		[5,000]			
			CROWS lightning integration acoustic sensor		[3,000]		[3,000]	
2040	0604604A	86	MEDIUM TACTICAL VEHICLES	1,925	2,325	1,925	400	2,325
			Future Track Over the Tire System		[400]		[400]	
2040	0604609A	87	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-SDD	5,297	5,297	5,297		5,297
2040	0604611A	88	JAVELIN					
2040	0604622A	89	FAMILY OF HEAVY TACTICAL VEHICLES	3,960	3,960	3,960		3,960
2040	0604633A	90	AIR TRAFFIC CONTROL	4,527	4,527	4,527		4,527
2040	0604642A	91	LIGHT TACTICAL WHEELED VEHICLES					
2040	0604645A	92	ARMORED SYSTEMS MODERNIZATION (ASM)-SDD	3,310,477	2,984,677	3,310,477	-254,000	3,056,477
			Program decrease		[-325,800]		[-254,000]	
2040	0604646A	93	NON-LINE OF SIGHT LAUNCH SYSTEM	322,880	322,880	322,880		322,880
2041	0604647A	94	NON-LINE OF SIGHT CANNON	112,237	112,237	112,237		112,237
2040	0604710A	95	NIGHT VISION SYSTEMS - SDD	38,821	38,821	38,821		38,821
2040	0604713A	96	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	3,017	3,017	3,017		3,017
2040	0604715A	97	NON-SYSTEM TRAINING DEVICES - SDD	121,553	121,553	121,553		121,553
2040	0604716A	98	TERRAIN INFORMATION - SDD					
2040	0604726A	99	INTEGRATED METEOROLOGICAL SUPPORT SYSTEM					

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(Dollars in Thousands)

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				<u>Request</u>	<u>Authorized</u>	<u>Authorized</u>	<u>Change</u>	<u>Authorized</u>
2040	0604741A	100	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE - SDI	21,757	21,757	47,257		21,757
			Counter Rocket, Artillery and Mortar (C-RAM) System			[25,500]		
2040	0604742A	101	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	40,006	40,006	40,006		40,006
2040	0604746A	102	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	8,136	8,136	8,136		8,136
2040	0604760A	103	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS) - SDD	19,596	19,596	19,596		19,596
2040	0604766A	104	TACTICAL SURVEILLANCE SYSTEMS - SDD					
2040	0604768A	105	ARMY TACTICAL MISSILE SYSTEM (ATACMS)					
2040	0604778A	106	POSITIONING SYSTEMS DEVELOPMENT (SPACE)					
2040	0604780A	107	COMBINED ARMS TACTICAL TRAINER (CATT) CORE	39,901	39,901	39,901		39,901
2040	0604783A	108	JOINT NETWORK MANAGEMENT SYSTEM	5,187	5,187	5,187		5,187
2040	0604801A	109	AVIATION - SDD					
2040	0604802A	110	WEAPONS AND MUNITIONS - SDD	130,581	130,581	130,581		130,581
2040	0604804A	111	LOGISTICS AND ENGINEER EQUIPMENT - SDD	40,301	40,301	40,301		40,301
2040	0604805A	112	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS - SDD	10,783	13,283	10,783	1,500	12,283
			HIMARS		[2,500]			
2040	0604807A	113	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPN	14,509	19,209	14,509	4,000	18,509
			Leishmania diagnostic skin test		[1,700]			
			LSTAT		[3,000]			
2040	0604808A	114	LANDMINE WARFARE/BARRIER - SDD	118,078	121,078	118,078	[3,000]	118,078
			AT4 confined space enhancements		[3,000]			
2040	0604814A	115	ARTILLERY MUNITIONS	102,554	113,554	102,554		102,554
			Excalibur XM982		[11,000]			
2040	0604817A	116	COMBAT IDENTIFICATION	39	39	39		39
2040	0604818A	117	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFT	69,172	69,172	69,172		69,172
2040	0604819A	118	LOSAT					
2040	0604820A	119	RADAR DEVELOPMENT	2,527	2,527	2,527		2,527

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2040	0604822A	120	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBs)	61,194	61,194	61,194	-39,200	21,994
			Program adjustment				[-39,200]	
2040	0604823A	121	FIREFINDER	70,151	70,151	70,151		70,151
2040	0604827A	122	SOLDIER SYSTEMS - WARRIOR DEM/VAL	27,498	27,498	27,498		27,498
2040	0604854A	123	ARTILLERY SYSTEMS	1,650	1,650	1,650		1,650
2040	0604865A	124	PATRIOT PAC-3 THEATER MISSILE DEFENSE ACQUISITION	329,583	329,583	329,583		329,583
2040	0604869A	125	PATRIOT/MEADS COMBINED AGGREGATE PROGRAM (CAP)	7,428	7,428	7,428		7,428
2040	0604870A	126	NUCLEAR ARMS CONTROL MONITORING SENSOR NETWORK	70,185	60,385	70,185	-7,500	62,685
2040	0605013A	127	INFORMATION TECHNOLOGY DEVELOPMENT		[-14,300]		[-7,500]	
			Future business systems					
			Automated shop floor work instructions		[4,500]			
2040	0604256A	128	THREAT SIMULATOR DEVELOPMENT	21,180	21,180	21,180		21,180
2040	0604258A	129	TARGET SYSTEMS DEVELOPMENT	10,928	10,928	12,928	2,000	12,928
			Prototype Electro-Explosive Ice Protection System			[2,000]	[2,000]	
2040	0604759A	130	MAJOR T&E INVESTMENT	64,953	64,953	64,953		64,953
2040	0605103A	131	RAND ARROYO CENTER	20,171	20,171	22,671	2,000	22,171
			Analytical and technical support			[2,500]	[2,000]	
2040	0605301A	132	ARMY KWAJALEIN ATOLL	178,891	178,891	178,891		178,891
2040	0605326A	133	CONCEPTS EXPERIMENTATION PROGRAM	21,626	25,126	28,826	4,500	26,126
			Biometric ID device			[4,000]		
			Automated communications support			[3,200]	[1,000]	
			Auto language translation				[3,500]	
2040	0605502A	134	SMALL BUSINESS INNOVATIVE RESEARCH	389,840	389,840	389,840		389,840
2040	0605601A	135	ARMY TEST RANGES AND FACILITIES	74,066	74,066	74,066		74,066
2040	0605602A	136	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	40,780	40,780	40,780		40,780
2040	0605604A	137	SURVIVABILITY/LETHALITY ANALYSIS					

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				<u>Request</u>	<u>Authorized</u>	<u>Authorized</u>	<u>Change</u>	<u>Authorized</u>
2040	0605605A	138	DOD HIGH ENERGY LASER TEST FACILITY	16,622	16,622	21,622	4,000	20,622
			High energy laser low aspect target tracking (S. Amdt)			[5,000]	[4,000]	
2040	0605606A	139	AIRCRAFT CERTIFICATION	4,580	4,580	4,580		4,580
2040	0605702A	140	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES	8,571	8,571	8,571		8,571
2040	0605706A	141	MATERIEL SYSTEMS ANALYSIS	16,526	16,526	16,526		16,526
2040	0605709A	142	EXPLOITATION OF FOREIGN ITEMS	4,993	4,993	4,993		4,993
2040	0605712A	143	SUPPORT OF OPERATIONAL TESTING	80,057	80,057	80,057		80,057
2040	0605716A	144	ARMY EVALUATION CENTER	60,129	60,129	60,129		60,129
2040	0605718A	145	SIMULATION & MODELING FOR ACQ, RQTS, & TNG (SMART)	5,441	5,441	5,441		5,441
2040	0605737A	146	DEFENSE FOREIGN LANGUAGE TRAINING RESEARCH					
2040	0605801A	147	PROGRAMWIDE ACTIVITIES	72,214	72,214	72,214		72,214
2040	0605803A	148	TECHNICAL INFORMATION ACTIVITIES	34,834	34,834	34,834		34,834
2040	0605805A	149	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFET	18,726	18,726	18,726		18,726
2040	0605857A	150	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	4,418	4,418	4,418		4,418
2040	0605898A	151	MANAGEMENT HQ - R&D	14,092	14,092	14,092		14,092
2040	0909999A	152	FINANCING FOR CANCELLED ACCOUNT ADJUSTMENTS					
2040	0603778A	153	MLRS PRODUCT IMPROVEMENT PROGRAM	74,506	74,506	74,506		74,506
2040	0603820A	154	WEAPONS CAPABILITY MODIFICATIONS UAV	16,532	16,532	16,532		16,532
2040	0102419A	155	AEROSTAT JOINT PROJECT OFFICE	264,491	266,491	264,491	1,000	265,491
			JLENS - lightweight X-band radar MEMS ESA		[2,000]		[1,000]	
2040	0203726A	156	ADV FIELD ARTILLERY TACTICAL DATA SYSTEM	17,394	18,394	17,394	1,000	18,394
			Fire support technology improvement		[1,000]		[1,000]	
2040	0203735A	157	COMBAT VEHICLE IMPROVEMENT PROGRAMS	12,741	12,741	12,741		12,741
2040	0203740A	158	MANEUVER CONTROL SYSTEM	37,976	37,976	37,976		37,976
2040	0203744A	159	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGR	301,739	301,739	301,739	-9,600	292,139
			Aerial common sensor				[-9,600]	

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2040	0203752A	160	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	860	860	860		860
2040	0203758A	161	DIGITIZATION	13,373	13,373	13,373		13,373
2040	0203759A	162	FORCE XXI BATTLE COMMAND, BRIGADE AND BELOW (FBCB)	26,375	26,375	26,375		26,375
2040	0203801A	163	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	10,770	10,770	10,770		10,770
2040	0203802A	164	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS	19,706	19,706	19,706		19,706
2040	0203806A	165	TRACTOR RUT					
2040	0203808A	166	TRACTOR CARD	7,242	7,242	7,242		7,242
2040	0208010A	167	JOINT TACTICAL COMMUNICATIONS PROGRAM (TRI-TAC)	5,804	5,804	5,804		5,804
2040	0208053A	168	JOINT TACTICAL GROUND SYSTEM	15,044	15,044	15,044		15,044
2040	0208058A	169	JOINT HIGH SPEED VESSEL (JHSV)	20,397	20,397	20,397		20,397
2040	0301359A	170	SPECIAL ARMY PROGRAMS	[]	[]	[]		[]
2040	0301555A	171	CLASSIFIED PROGRAMS	[]	[]	[]		[]
2040	0301556A	172	SPECIAL PROGRAM	[]	[]	[]		[]
2040	0303028A	173	SECURITY AND INTELLIGENCE ACTIVITIES	3,170	3,170	6,670	3,000	6,170
			Portable iris enrollment and recognition device			[3,500]	[3,000]	
2040	0303140A	174	INFORMATION SYSTEMS SECURITY PROGRAM	23,828	23,828	26,828	2,000	25,828
			Retinal/iris multimodal biometrics technology			[3,000]	[2,000]	
2040	0303141A	175	GLOBAL COMBAT SUPPORT SYSTEM	55,272	61,272	55,272		55,272
			Product lifecycle management plus		[6,000]			
2040	0303142A	176	SATCOM GROUND ENVIRONMENT (SPACE)	41,336	41,336	41,336		41,336
2040	0303150A	177	WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM	12,200	12,200	12,200		12,200
2040	0303158A	178	JOINT COMMAND AND CONTROL PROGRAM (JC2)	4,057	4,057	4,057		4,057
2040	0305204A	179	TACTICAL UNMANNED AERIAL VEHICLES	114,087	125,487	114,087	5,000	119,087
			Heavy fuel engine - Shadow UAV		[11,400]		[5,000]	
2040	0305206A	180	AIRBORNE RECONNAISSANCE SYSTEMS	12	12	12		12

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				<u>Request</u>	<u>Authorized</u>	<u>Authorized</u>	<u>Change</u>	<u>Authorized</u>
2040	0305208A	181	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS High assurance secure object proxy	120,562	131,562	120,562	4,500	125,062
			Asymmetric threat response and analysis		[6,000]			
2040	0702239A	182	AVIONICS COMPONENT IMPROVEMENT PROGRAM	1,031	[5,000]	1,031	[4,500]	1,031
2040	0708045A	183	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES Adv modeling technology for large structure titanium machining	68,075	72,475	79,575	20,900	88,975
			Manufacturing systems demonstration			[2,000]	[2,000]	
			Super Pulse Laser System development			[3,000]	[3,000]	
			Packaging and interconnect technologies			[3,500]	[3,500]	
			Vehicle common armor manufacturing process			[3,000]	[3,000]	
			Low cost domestic titanium reduction to powder initiative			[4,400]	[4,400]	
2040	1001018A	184	NATO JOINT STARS	688	688	688		688
	06070XX	NEW	Tactical Wheeled Vehicle Product Improvement Program		10,000			
2040	XXXXXXXXX	999	CLASSIFIED PROGRAMS	3,700	3,700	3,700		3,700
			Total, RDT&E Army	10,855,559	10,925,209	11,167,009	21,050	10,876,609

*Research, Development, Test, and Evaluation,
Navy overview*

The budget request included \$16,912.2 million in Research, Development, Test, and

Evaluation, Navy for the Department of Defense.

The House bill would authorize \$17,377.8 million.

The Senate amendment would authorize \$17,459.8 million.

The conferees agree to authorize \$17,383.9 million.

Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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1319	0601103N	1	RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY UNIVERSITY RESEARCH INITIATIVES	73,322	73,322	88,822	5,500	78,822
			Multifunctional materials for Navy structures			[1,500]	[1,500]	
			Neurotechnology research			[2,000]	[2,000]	
			Smart, remote sensing systems using nanotechnology			[2,000]	[2,000]	
			University research initiative (S. Amdt)			[10,000]		
1319	0601152N	2	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	15,916	15,916	15,916		15,916
1319	0601153N	3	DEFENSE RESEARCH SCIENCES	366,649	383,149	369,649	9,000	375,649
			Early career awards			[1,000]		
			Software reliability			[2,000]		
			Carbon nanotube based hard non-volatile RAM		[9,000]		[9,000]	
			N-STEP		[7,500]			
1319	0602114N	4	POWER PROJECTION APPLIED RESEARCH	84,914	100,614	86,914	8,500	93,414
			Thermal management systems			[2,000]	[2,000]	
			High performance FM fiber optic link		[4,000]		[4,000]	
			Retroreflecting optical communications for special operations		[4,000]		[4,000]	
			Boost to cruise hypersonic technology		[2,200]		[2,200]	
			Marine manual research		[3,500]		[3,500]	
			FireLidar					

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				<u>Request</u>	<u>Authorized</u>	<u>Authorized</u>	<u>Change</u>	<u>Authorized</u>
1319	0602236N	10	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	89,964	109,764	84,964	-2,000	87,964
			Bi-directional translator			[2,000]		
			Sea basing technologies			[-7,000]		
			POSS biofilm packaging		[2,000]		[3,000]	
			Partnership simulation lab - PULSE		[4,000]		[2,000]	
			Virtual clinical learning lab		[6,000]		[2,000]	
			Phase one clinical trials for infusible hemostatic agent		[6,300]		[1,000]	
			New materials for aircraft tires		[1,500]		[-10,000]	
			Program reduction					
1319	0602271N	11	RF SYSTEMS APPLIED RESEARCH	42,619	42,619	42,619		42,619
1319	0602435N	12	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	48,718	48,718	48,718		48,718
1319	0602651M	13	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH	6,036	6,036	6,036		6,036
1319	0602747N	14	UNDERSEA WARFARE APPLIED RESEARCH	83,435	83,435	83,435		83,435
1319	0602782N	15	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	53,435	53,435	53,435		53,435
1319	0603114N	16	POWER PROJECTION ADVANCED TECHNOLOGY	76,806	92,806	68,806	12,000	88,806
			Information processing technologies for mobile targeting			[2,000]	[2,000]	
			Reduce growth due to lack of transition path					
			DP-2 vectored thrust aircraft		[8,000]		[6,000]	
			Fly by wire for high speed watercraft		[2,000]			
			Laser radar		[6,000]		[4,000]	

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				<u>Request</u>	<u>Authorized</u>	<u>Authorized</u>	<u>Change</u>	<u>Authorized</u>
1319	0603123N	17	FORCE PROTECTION ADVANCED TECHNOLOGY	61,504	110,204	78,504	51,700	113,204
			Navy manufacturing and repair cell			[5,000]	[5,000]	
			Completion of advanced ship service fuel cell power plant			[4,000]	[2,000]	
			Wide-band gap semiconductor materials research			[8,000]	[8,000]	
			DockShock Ship Shock System		[8,000]			
			Sea fighter (X craft)		[25,700]			
			High temperature superconducting generator study		[3,000]		[23,000]	
			Pure hydrogen supply from logistics fuels		[3,000]		[3,000]	
			Secure infrastructure technology laboratory		[8,000]		[2,700]	
			HM&E data integration firewall		[1,000]		[8,000]	
1319	0603235N	18	COMMON PICTURE ADVANCED TECHNOLOGY	61,725	66,525	66,725	6,000	67,725
			Improved shipboard combat information center			[3,000]	[3,000]	
			Rail sensor testbed			[2,000]	[2,000]	
			MIST phased array radar		[4,800]		[1,000]	
1319	0603236N	19	WARFIGHTER SUSTAINMENT ADVANCED TECHNOLOGY	82,035	92,535	99,035	15,000	97,035
			Advanced composite materials research			[5,000]	[5,000]	
			Vertical lift center of excellence			[4,000]	[3,000]	
			Defense systems modernization and sustainment initiative			[8,000]	[4,000]	
			SEAPRINT		[3,000]		[3,000]	
			Virtual at sea training technologies		[5,000]			
			Validation of prognostic of health management systems		[2,500]			
1319	0603271N	20	RF SYSTEMS ADVANCED TECHNOLOGY	45,317	47,317	47,317	2,000	47,317
			APY-6 real-time precision targeting radar			[2,000]	[2,000]	
			Advanced Radar Module Cooling System		[2,000]			

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1319	0603640M	21	USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	59,170	59,170	80,170	17,000	76,170
			Expeditionary water purification			[3,000]	[3,000]	
			Advanced technology demonstrations			[12,000]	[8,000]	
			Advanced tactical vehicle			[6,000]	[6,000]	
1319	0603651M	22	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT	1,405	1,405	1,405		1,405
1319	0603727N	23	NAVY TECHNICAL INFORMATION PRESENTATION SYSTEM					
1319	0603729N	24	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY					
			Special warfare performance and injury prevention program					
1319	0603747N	25	UNDERSEA WARFARE ADVANCED TECHNOLOGY	35,055	38,055	35,055	2,500	20,482
			HE lithium ion battery technology		[2,500]		[2,500]	
1319	0603757N	26	JOINT WARFARE EXPERIMENTS					
1319	0603758N	27	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS	41,308	41,308	41,308		41,308
1319	0603782N	28	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY	21,326	23,926	23,326	2,000	23,326
			Augmented reality visualization of the common operational picture			[2,000]	[2,000]	
			Countermine LIDAR for UAVs					
1319	0603158N	29	JOINT COMMAND AND CONTROL PROGRAM (JC2)	1,001		1,001		1,001
			Transfer to line 179a					
1319	0603207N	30	AIR/OCEAN TACTICAL APPLICATIONS	31,778	31,778	31,778		31,778
1319	0603216N	31	AVIATION SURVIVABILITY	6,177	11,177	6,177	2,000	8,177
			Air Sentinel UAV					
1319	0603237N	32	DEPLOYABLE JOINT COMMAND AND CONTROL	16,383	16,383	16,383		16,383
1319	0603254N	33	ASW SYSTEMS DEVELOPMENT	16,782	26,782	23,482	9,700	26,482
			Electro-optic Passive ASW System					
			Tactical e-field buoy development					
1319	0603261N	34	TACTICAL AIRBORNE RECONNAISSANCE	3,959	3,959	3,959		3,959
1319	0603382N	35	ADVANCED COMBAT SYSTEMS TECHNOLOGY	12,398	12,398	12,398		12,398

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				<u>Request</u>	<u>Authorized</u>	<u>Authorized</u>	<u>Change</u>	<u>Authorized</u>
1319	0603502N	36	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	130,265	130,265	132,265	2,000	132,265
			Surface Navy integrated undersea tactical technology			[2,000]	[2,000]	
1319	0603506N	37	SURFACE SHIP TORPEDO DEFENSE	40,627	50,627	40,627	9,000	49,627
			Detection, classification, and localization demo		[10,000]		[9,000]	
1319	0603512N	38	CARRIER SYSTEMS DEVELOPMENT	153,894	153,894	153,894		153,894
1319	0603513N	39	SHIPBOARD SYSTEM COMPONENT DEVELOPMENT	14,135	23,135	28,135	9,500	23,635
			Smart valve		[2,000]	[2,500]	[2,500]	
			Gas Turbine Electric Start System technology upgrade		[4,000]	[5,500]	[6,000]	
			High temp superconductor AC synchronous propulsion motor		[3,000]	[6,000]	[1,000]	
			Shipboard wireless maintenance assistant					
1319	0603525N	40	PILOT FISH	134,550	134,550	134,550		134,550
1319	0603527N	41	RETRACT LARCH	87,180	87,180	87,180		87,180
1319	0603536N	42	RETRACT JUNIPER	38,462	38,462	38,462		38,462
1319	0603542N	43	RADIOLOGICAL CONTROL	1,901	1,901	1,901		1,901
1319	0603553N	44	SURFACE ASW	38,696	38,696	38,696		38,696
1319	0603559N	45	SSGN CONVERSION	25,953	25,953	25,953		25,953
1319	0603561N	46	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	140,432	146,432	150,432	6,000	146,432
			Next strategic missile submarine			[10,000]		
			LD-UUV At-Sea Launch and Recovery System		[6,000]		[6,000]	
1319	0603562N	47	SUBMARINE TACTICAL WARFARE SYSTEMS	10,357	10,357	10,357		10,357
1319	0603563N	48	SHIP CONCEPT ADVANCED DESIGN	21,549	24,549	21,549	-2,500	19,049
			Machinery Analytics for Control and Monitoring System		[3,000]		[3,000]	
			Program underexecution					
1319	0603564N	49	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	21,314	21,314	21,314		21,314
1319	0603570N	50	ADVANCED NUCLEAR POWER SYSTEMS	174,648	174,648	174,648		174,648
1319	0603573N	51	ADVANCED SURFACE MACHINERY SYSTEMS					

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1319	0603576N	52	CHALK EAGLE	139,017	139,017	139,017		139,017
1319	0603581N	53	LITTORAL COMBAT SHIP (LCS)	319,671	319,671	319,671		319,671
1319	0603582N	54	COMBAT SYSTEM INTEGRATION	62,095	62,095	62,095		62,095
1319	0603609N	55	CONVENTIONAL MUNITIONS	22,385	22,385	22,385		22,385
1319	0603611M	56	MARINE CORPS ASSAULT VEHICLES	188,306	188,306	188,306		188,306
1319	0603612M	57	USMC MINE COUNTERMEASURES SYSTEMS - ADV DEV	3,777	3,777	3,777		3,777
1319	0603635M	58	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	503	3,503	4,503	7,000	7,503
			Moldable fabric armor				[2,000]	
			Urban operations laboratory				[2,000]	
			Marine expeditionary rifle squad				[3,000]	
1319	0604402N	NEW	UCAV (from line 164)		239,163			
1319	0603654N	59	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	24,467	24,467			24,467
			Joint service and EOD IED countermeasures R&D					
1319	0603658N	60	COOPERATIVE ENGAGEMENT	53,406	53,406	53,406		53,406
1319	0603713N	61	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	16,324	26,324	16,324	2,000	18,324
			Advanced composite riverine craft		[10,000]		[2,000]	
1319	0603721N	62	ENVIRONMENTAL PROTECTION	20,271	20,271	20,271		20,271
1319	0603724N	63	NAVY ENERGY PROGRAM	1,600	1,600	1,600		1,600
1319	0603725N	64	FACILITIES IMPROVEMENT	4,194	4,194	4,194		4,194
1319	0603734N	65	CHALK CORAL	28,578	28,578	28,578		28,578
1319	0603739N	66	NAVY LOGISTIC PRODUCTIVITY	6,306	6,306	6,306		6,306
1319	0603746N	67	RETRACT MAPLE	344,912	344,912	344,912		344,912
1319	0603748N	68	LINK PLUMERIA	80,662	80,662	80,662		80,662
1319	0603751N	69	RETRACT ELM	64,133	64,133	64,133		64,133
1319	0603755N	70	SHIP SELF DEFENSE	8,897	8,897	8,897		8,897
1319	0603764N	71	LINK EVERGREEN	55,051	55,051	55,051		55,051
1319	0603787N	72	SPECIAL PROCESSES	47,180	47,180	47,180		47,180

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1319	0603790N	73	NATO RESEARCH AND DEVELOPMENT	9,784	9,784	9,784		9,784
1319	0603795N	74	LAND ATTACK TECHNOLOGY	18,571	57,571	18,571	35,800	54,371
			Affordable Weapon System		[27,000]		[24,000]	
			BTERM		[10,000]		[10,000]	
			76mm gun system explosives safety review		[2,000]		[1,800]	
1319	0603851M	75	NONLETHAL WEAPONS	44,815	44,815	44,815		44,815
1319	0603857N	76	ALL SERVICE COMBAT IDENTIFICATION EVALUATION TEAM (
1319	0603860N	77	JOINT PRECISION APPROACH AND LANDING SYSTEMS	41,242	41,242	41,242		41,242
1319	0603879N	78	SINGLE INTEGRATED AIR PICTURE (SIAP) SYSTEM ENGINEER	50,282	50,282	50,282	-10,282	40,000
			Reduce growth pending plan				[-10,282]	
1319	0603889N	79	COUNTERDRUG RDT&E PROJECTS			6,500	4,000	4,000
			Project Athena			[6,500]	[4,000]	
NEW	0603925N	79a	Directed Energy Research			50,000	30,000	30,000
1320	0604272N	80	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES	20,527	20,527	20,527		20,527
1319	0604327N	81	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTI	77,000	30,000	71,000	-47,000	30,000
			Program decrease		[-47,000]			
			Trident II conventional modifications (S. Armdt)			[-6,000]		
1319	0604707N	82	SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/EN	43,909	43,909	43,909		43,909
1319	0604787N	83	JOINT WARFARE TRANSFORMATION PROGRAMS			86,197		86,197
1319	0604212N	84	OTHER HELO DEVELOPMENT	86,197	86,197	86,197		86,197
1319	0604214N	85	AV-8B AIRCRAFT - ENG DEV	13,878	13,878	13,878		13,878
1319	0604215N	86	STANDARDS DEVELOPMENT	112,257	120,957	112,257	5,000	117,257
			Metrological standards and systems		[8,700]		[5,000]	
1319	0604216N	87	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT	19,259	19,259	19,259		19,259
1319	0604218N	88	AIR/OCEAN EQUIPMENT ENGINEERING	5,578	5,578	5,578		5,578
1319	0604221N	89	P-3 MODERNIZATION PROGRAM	16,139	16,139	16,139		16,139

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1319	0604230N	90	WARFARE SUPPORT SYSTEM	2,203	2,203	2,203		2,203
1319	0604231N	91	TACTICAL COMMAND SYSTEM	74,225	74,225	74,225	-13,600	60,625
			Program growth					
1319	0604234N	92	ADVANCED HAWKEYE	497,842	505,042	497,842	[-13,600]	497,842
			IFF technology development		[7,200]			
1319	0604245N	93	H-1 UPGRADES	7,844	7,844	7,844		7,844
1319	0604261N	94	ACOUSTIC SEARCH SENSORS	36,764	39,264	36,764	2,300	39,064
			Acoustic Environmental Sensor System		[2,500]			
1319	0604262N	95	V-22A	268,461	268,461	268,461		268,461
1319	0604264N	96	AIR CREW SYSTEMS DEVELOPMENT	12,434	12,434	12,434		12,434
1319	0604269N	97	EA-18	372,363	372,363	372,363		372,363
1319	0604270N	98	ELECTRONIC WARFARE DEVELOPMENT	39,842	47,842	39,842	3,000	42,842
			Next generation electronic warfare simulator		[8,000]			
1319	0604273N	99	VHXX EXECUTIVE HELO DEVELOPMENT	682,597	643,597	682,597	[3,000]	682,597
			Program decrease		[-39,000]			
1319	0604280N	100	JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY)	1,153	1,153	1,153		1,153
1319	0604300N	101	SC-21 TOTAL SHIP SYSTEM ENGINEERING	817,528	842,528	817,528	17,500	835,028
			Permanent magnet motor		[15,000]			
			Wireless Maritime Inspection System		[5,000]			
			Integrated shipboard intelligent surveillance		[5,000]			
1319	0604307N	102	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	190,059	190,059	190,059		190,059
1319	0604311N	103	LPD-17 CLASS SYSTEMS INTEGRATION	5,960	5,960	5,960		5,960
1319	0604312N	104	TRI-SERVICE STANDOFF ATTACK MISSILE					
1319	0604329N	105	SMALL DIAMETER BOMB (SDB)	10,021	10,021	10,021		10,021
1319	0604366N	106	STANDARD MISSILE IMPROVEMENTS	186,144	186,144	186,144		186,144
1319	0604373N	107	AIRBORNE MCM	56,145	56,145	56,145		56,145

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1319	0604378N	108	NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR SYSTEMS	14,792	14,792	14,792		14,792
1319	0604503N	109	SSN-688 AND TRIDENT MODERNIZATION Twin line thinline towed array	94,839	103,839	104,839	8,500	103,339
			Affordable towed array construction		[4,500]	[10,000]	[2,500]	
			Common submarine radio room		[4,500]		[2,000]	
1319	0604504N	110	AIR CONTROL	4,603	4,603	4,603	[4,000]	4,603
1319	0604507N	111	ENHANCED MODULAR SIGNAL PROCESSOR					
1319	0604512N	112	SHIPBOARD AVIATION SYSTEMS	33,392	34,392	33,392	1,000	34,392
			Aircraft carrier launch, recovery and support equipment		[1,000]		[1,000]	
1319	0604518N	113	COMBAT INFORMATION CENTER CONVERSION	6,708	6,708	6,708		6,708
1319	0604558N	114	NEW DESIGN SSN Virginia class affordable design	169,580	214,580	234,580	54,600	224,180
			Flexible payload module		[25,000]	[65,000]	[23,600]	
			Large aperture bow array		[20,000]		[15,000]	
1319	0604561N	115	SSN-21 DEVELOPMENTS	3,260	3,260	3,260		3,260
1319	0604562N	116	SUBMARINE TACTICAL WARFARE SYSTEM	51,656	51,656	51,656		51,656
1319	0604567N	117	SHIP CONTRACT DESIGN/ LIVE FIRE T&E	72,055	72,055	72,055		72,055
1319	0604574N	118	NAVY TACTICAL COMPUTER RESOURCES					
1319	0604601N	119	MINE DEVELOPMENT	5,631	5,631	5,631		5,631
1319	0604603N	120	UNGUIDED CONVENTIONAL AIR-LAUNCHED WEAPONS					
1319	0604610N	121	LIGHTWEIGHT TORPEDO DEVELOPMENT	40,540	40,540	40,540		40,540
1319	0604654N	122	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	10,026	10,026	10,026		10,026
1319	0604703N	123	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS SEAPRINT	8,754	9,754	8,754	1,000	9,754
					[1,000]		[1,000]	
1319	0604721N	124	BATTLE GROUP PASSIVE HORIZON EXTENSION SYSTEM					
1319	0604727N	125	JOINT STANDOFF WEAPON SYSTEMS	27,524	27,524	27,524		27,524

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1319	0604755N	126	SHIP SELF DEFENSE (DETECT & CONTROL) Autonomous unmanned surface vessel	10,050	10,050	14,050		10,050
1319	0604756N	127	SHIP SELF DEFENSE (ENGAGE: HARD KILL) Next generation phalanx	46,390	55,390	[4,000] 46,390	5,000	51,390
1319	0604757N	128	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW) MK 53 (NULKA) Decoy System	11,513	11,513	17,513	[5,000]	15,513
1319	0604761N	129	INTELLIGENCE ENGINEERING	4,865	4,865	[6,000]	[4,000]	4,865
1319	0604771N	130	MEDICAL DEVELOPMENT Non-invasive vectored vaccine research	7,663	7,663	10,163		7,663
1319	0604777N	131	NAVIGATION/ID SYSTEM Chiropractic treatment study	47,070	47,070	[2,000]		47,070
1319	0604784N	132	DISTRIBUTED SURVEILLANCE SYSTEM Wet end installation system element	58,273	61,673	[500] 47,070		58,273
1319	0604800N	133	JOINT STRIKE FIGHTER (JSF) Joint Strike Fighter alternate engine development	2,030,979	2,030,979	2,231,379	170,000	2,200,979
1319	0604910N	134	SMART CARD		[3,400]	[200,400]	[170,000]	
1319	0605013M	135	INFORMATION TECHNOLOGY DEVELOPMENT	13,326	13,326	13,326		13,326
1319	0605013N	136	INFORMATION TECHNOLOGY DEVELOPMENT Navy enterprise resource planning (ERP)	88,323	47,523	88,323		88,323
1319	0605172N	137	MULTINATIONAL INFORMATION SHARING (MNIS)	20,856	20,856	20,856		20,856
1319	0605212N	138	CH-53X RDTE	362,672	362,672	362,672		362,672
1319	0605500N	139	MULTI-MISSION MARITIME AIRCRAFT (MMA)	1,131,655	1,131,655	1,131,655		1,131,655
1319	0304785N	140	TACTICAL CRYPTOLOGIC SYSTEMS	23,526	23,526	23,526		23,526
1319	0604256N	141	THREAT SIMULATOR DEVELOPMENT	23,668	23,668	23,668		23,668
1319	0604258N	142	TARGET SYSTEMS DEVELOPMENT	45,666	45,666	45,666		45,666
1319	0604759N	143	MAJOR T&E INVESTMENT	39,750	39,750	39,750		39,750

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1319	0101221N	165	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	124,522	127,022	124,522		124,522
			Lithium battery technology		[2,500]			
1319	0101224N	166	SSBN SECURITY TECHNOLOGY PROGRAM	42,869	42,869	42,869		42,869
1319	0101226N	167	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	2,131	2,131	2,131		2,131
1319	0101402N	168	NAVY STRATEGIC COMMUNICATIONS	37,464	37,464	37,464		37,464
1319	0203761N	169	RAPID TECHNOLOGY TRANSITION (RTT)	39,285	39,285	39,285		39,285
1319	0204136N	170	F/A-18 SQUADRONS	31,098	48,198	31,098	7,600	38,698
			Composite missile launcher improvement		[2,000]			
			Digital Electronic Warfare System		[10,000]		[7,600]	
			Digital heads-up display upgrade		[5,100]			
1319	0204152N	171	E-2 SQUADRONS	1,540	1,540	1,540		1,540
1319	0204163N	172	FLEET TELECOMMUNICATIONS (TACTICAL)	27,189	27,189	27,189		27,189
1319	0204229N	173	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (1)	18,635	18,635	18,635		18,635
1319	0204311N	174	INTEGRATED SURVEILLANCE SYSTEM	30,740	30,740	30,740		30,740
1319	0204413N	175	AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CR)	1,812	1,812	1,812		1,812
1319	0204571N	176	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	17,857	17,857	17,857		17,857
1319	0204574N	177	CRYPTOLOGIC DIRECT SUPPORT	1,425	1,425	1,425		1,425
1319	0204575N	178	ELECTRONIC WARFARE (EW) READINESS SUPPORT	20,673	20,673	20,673		20,673
1319	0205601N	179	HARM IMPROVEMENT	99,208	99,208	99,208		99,208
1319	0205604N	180	TACTICAL DATA LINKS	41,967	41,967	41,967		41,967
1319	0205620N	181	SURFACE ASW COMBAT SYSTEM INTEGRATION	9,417	13,417	9,417	2,000	11,417
			Advanced materials for acoustic windows		[4,000]		[2,000]	
1319	0205632N	182	MK-48 ADCAP	24,988	24,988	24,988		24,988
1319	0205633N	183	AVIATION IMPROVEMENTS	71,612	71,612	71,612		71,612
1319	0205658N	184	NAVY SCIENCE ASSISTANCE PROGRAM	3,376	3,376	3,376		3,376
1319	0205675N	185	OPERATIONAL NUCLEAR POWER SYSTEMS	69,350	69,350	69,350		69,350

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				<u>Request</u>	<u>Authorized</u>	<u>Authorized</u>	<u>Change</u>	<u>Authorized</u>
1319	0206313M	186	MARINE CORPS COMMUNICATIONS SYSTEMS AN/TPS-59 low earth orbit (LEOS) acceleration Battlefield Management System software development Counter-radio controlled IED development Dismounted soldier training test instrumentation Network Communication System for extreme environments	218,460	228,760	250,460	7,700	226,160
					[5,000]	[5,000]		
					[2,000]	[2,000]	[5,000]	
					[25,000]	[25,000]		
1319	0206623M	187	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTE	47,592	54,692	56,092	6,000	53,592
			Ultrasonic consolidation technology Polymer-based IED detection tools Lightweight multi-threat body and appendage armor Small arms and crew served weapon shot counter Tunable camouflage netting		[4,000]	[4,500]	[2,700]	
					[4,000]	[4,000]		
1319	0206624M	188	MARINE CORPS COMBAT SERVICES SUPPORT Expeditionary assault bridge development	17,524	17,524	26,524		17,524
1319	0207161N	189	TACTICAL AIM MISSILES	7,946	7,946	7,946		7,946
1319	0207163N	190	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	6,705	6,705	6,705		6,705
1319	0208058N	191	JOINT HIGH SPEED VESSEL (JHSV) Program decrease	14,163	14,160	14,163		14,163
					[-3]			
1319	0301303N	192	MARITIME INTELLIGENCE Vessel Integrity System Surf Eagle environmental intelligence	[]	[]	5,500		[]
					[]	[1,000]		[]
					[]	[4,500]		[]
1319	0301323N	193	COLLECTION MANAGEMENT	[]	[]	[]		[]
1319	0303217N	194	TECHNICAL RECONNAISSANCE AND SURVEILLANCE	[]	[]	[]		[]
1319	0303109N	195	SATELLITE COMMUNICATIONS (SPACE) Joint integrated systems for advanced digital networking	748,662	754,662	748,662	3,000	751,662
					[6,000]		[3,000]	
1319	0303140N	196	INFORMATION SYSTEMS SECURITY PROGRAM	23,037	23,037	23,037		23,037

Title II-RDT and E
(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
1319	0303158N	197	JOINT COMMAND AND CONTROL PROGRAM (JC2) Transfer from line 29	5,073	6,073	5,073		5,073
					[1,000]			
1319	0305149N	198	COBRA JUDY	135,372	135,372	135,372		135,372
1319	0305160N	199	NAVY METEOROLOGICAL AND OCEAN SENSORS-SPACE (METR)	7,307	7,307	7,307		7,307
1319	0305188N	200	JOINT C4ISR BATTLE CENTER (JBC)					
1319	0305192N	201	MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES	6,793	6,793	6,793		6,793
1319	0305204N	202	TACTICAL UNMANNED AERIAL VEHICLES	115,950	115,950	115,950		115,950
1319	0305205N	203	ENDURANCE UNMANNED AERIAL VEHICLES	26,357	26,357	26,357		26,357
1319	0305206N	204	AIRBORNE RECONNAISSANCE SYSTEMS	35,038	40,038	35,038	1,000	36,038
			Passive collision avoidance and reconnaissance		[5,000]		[1,000]	
1319	0305207N	205	MANNED RECONNAISSANCE SYSTEMS	22,815	73,815	22,815	12,000	34,815
			Classified program		[51,000]		[12,000]	
1319	0305208N	206	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	16,587	16,587	16,587		16,587
1319	0307207N	207	AERIAL COMMON SENSOR (ACS)	17,182	17,182	17,182		17,182
1319	0308601N	208	MODELING AND SIMULATION SUPPORT	7,503	7,503	7,503		7,503
1319	0702207N	209	DEPOT MAINTENANCE (NON-IF)	2,960	2,960	2,960		2,960
1319	0702239N	210	AVIONICS COMPONENT IMPROVEMENT PROGRAM	1,375	1,375	1,375		1,375
1319	0708011N	211	INDUSTRIAL PREPAREDNESS	55,048	55,798	55,048		55,048
			Gas Turbine Diagnostic System		[750]			
1319	0708730N	212	MARITIME TECHNOLOGY (MARITECH)		120,000	10,000	20,000	20,000
			National shipbuilding research program-adv shipbuilding enterprise		[20,000]	[10,000]	[20,000]	
			Shipbuilding industrial base grants		[50,000]			
			Shipbuilding industry loan guarantees		[50,000]			
1319	XXXXXXXX	999	CLASSIFIED PROGRAMS	1,181,325	1,181,325	1,181,325		1,181,325
Total, RDT&E Navy				16,912,223	17,377,769	17,459,823	471,634	17,383,857

Sea Fighter (X-Craft)

The House bill would authorize \$25.7 million in PE 63123N for modifications to Sea Fighter to improve the ship's survivability, command and control, armament, and other ship systems to make Sea Fighter an operationally deployable asset.

The Senate amendment contained no similar funding.

The conferees agree to authorize \$23.0 million in PE 63123N for Sea Fighter modifications.

Of the amount authorized, the conferees direct the Secretary of the Navy to utilize the additional funding to: (1) improve aviation capabilities; (2) improve damage control and firefighting capabilities; (3) improve the

quality of and increase the capacity of berthing and messing facilities for 12 additional crew; (4) provide command and control upgrades; (5) add weapons (offensive and defensive); and (6) make topside changes to reduce radiation hazards. The conferees expect the Secretary to utilize Sea Fighter in support of Navy operations and to develop and validate operational concepts for littoral warfare.

The conferees are aware that on September 6, 2006, Sea Fighter sustained significant damage while operating off of the Pacific coast. The conferees expect the Secretary to make all repairs necessary to restore Sea Fighter to previous capability and make available for operational use.

Research, Development, Test, and Evaluation, Air Force overview

The budget request included \$24,396.8 million in Research Development, Test, and Evaluation, Air Force for the Department of Defense.

The House bill would authorize \$24,810.0 million.

The Senate amendment would authorize \$23,970.9 million.

The conferees agree to authorize \$24,236.0 million.

Unless noted explicitly in the statement of managers, all changes are made without prejudice.

Title II-RDT and E
(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
			RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE					
3600	0601102F	1	DEFENSE RESEARCH SCIENCES	250,232	250,232	253,232	2,000	252,232
			Basic hypersonics air flow research			[2,000]	[2,000]	
			Early career awards			[1,000]		
3600	0601103F	2	UNIVERSITY RESEARCH INITIATIVES	107,571	107,571	123,071	2,000	109,571
			High assurance software engineering			[2,000]	[2,000]	
			Secure grids for network centric operations			[2,000]		
			Enterprise service secure grid research			[1,500]		
			University research initiative (S. Amdt)			[10,000]		
3600	0601108F	3	HIGH ENERGY LASER RESEARCH INITIATIVES	12,403	12,403	12,403		12,403
3600	0602015F	4	MEDICAL DEVELOPMENT					
3600	0602102F	5	MATERIALS	111,073	126,373	120,073	10,000	121,073
			Advanced materials development			[2,000]	[2,000]	
			Blast resistant barrier research			[3,000]	[2,000]	
			Domestic source of high modulus carbon fibers			[1,500]	[3,000]	
			Complex composite structures research		[3,000]	[2,500]		
			Nanocrystalline diamond coating		[2,900]			
			Electronic type-specific buckytubes		[9,400]			
3600	0602201F	6	AEROSPACE VEHICLE TECHNOLOGIES	112,751	115,751	112,751	[3,000]	112,751
			Active feedback flow control		[3,000]			
3600	0602202F	7	HUMAN EFFECTIVENESS APPLIED RESEARCH	92,991	95,991	92,991	3,000	95,991
			AIRPRINT		[3,000]		[3,000]	

Title II-RDT and E
(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
3600	0602203F	8	AEROSPACE PROPULSION	170,885	177,585	175,885	7,000	177,885
			High energy laser research			[2,000]	[2,000]	
			Scramjet technology			[3,000]	[3,000]	
			Advanced engine starter/generator		[3,500]		[1,000]	
			Affordable lightweight power supply		[3,200]		[1,000]	
3600	0602204F	9	AEROSPACE SENSORS	117,553	125,753	120,553	5,000	122,553
			Compact optical receiver for loitering weapons		[3,000]		[2,000]	
			Wavelength agile spectral harmonic oxygen sensor		[2,700]			
			Cell level battery controller		[2,500]			
			Wideband digital airborne electronic sensing array (S. Amdt)		3,000	[3,000]	[3,000]	3,000
3600	0602500F	10	MULTI-DISCIPLINARY SPACE TECHNOLOGY		[3,000]		[3,000]	
			Engineering tool improvement	85,594	93,794	85,884	5,985	91,579
3600	0602601F	11	SPACE TECHNOLOGY			[290]	[285]	
			Shield rocket payloads					
			Deployable space structures		[3,000]		[2,500]	
			Elastic memory composites		[3,000]		[1,000]	
			Multicontinuum technology for space structures		[2,200]		[2,200]	
3600	0602602F	12	CONVENTIONAL MUNITIONS	62,105	65,105	62,105		62,105
			Advanced carbon nanotube research		[3,000]			
3600	0602605F	13	DIRECTED ENERGY TECHNOLOGY	48,422	48,422	48,422		48,422
3600	0602702F	14	COMMAND CONTROL AND COMMUNICATIONS	119,267	125,267	120,767	3,000	122,267
			MASINT visualization tools		[6,000]	[1,500]	[3,000]	
3600	0602805F	15	DUAL USE SCIENCE AND TECHNOLOGY PROGRAM		50,166	50,166		50,166
3600	0602890F	16	HIGH ENERGY LASER RESEARCH			2,287		2,287
3600	0207170F	17	JOINT HELMET MOUNTED CUEING SYSTEM (JHMCS)					
			Transfer to line 136a		[-2,287]			

Title II-RDT and E

(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
3600	0603112F	18	ADVANCED MATERIALS FOR WEAPON SYSTEMS Inspection techniques to detect fatigue related damage on aircraft components Metals Affordability Initiative	48,901	64,201	54,901	9,200	58,101
					[11,300]	[3,000]	[3,000]	
					[4,000]	[3,000]	[3,500]	
3600	0603203F	19	ADVANCED AEROSPACE SENSORS Large panel sapphire window producibility (F-35)	55,150	55,150	55,150	[2,700]	55,150
3600	0603211F	20	AEROSPACE TECHNOLOGY DEV/DEMO Advanced aerospace titanium structures	27,424	32,424	29,424	4,000	31,424
					[5,000]	[2,000]	[2,000]	
3600	0603216F	21	AEROSPACE PROPULSION AND POWER TECHNOLOGY Advanced aluminum aerostructures initiative (A31) (S. Amdt)	115,546	118,546	128,046	13,000	128,346
						[2,000]	[2,000]	
						[2,000]	[2,000]	
						[6,000]	[6,000]	
						[2,000]	[2,000]	
						[2,500]	[3,000]	
3600	0603231F	22	CREW SYSTEMS AND PERSONNEL PROTECTION TECHNOLOGY Certification of flexible JP8 military fuel Turbine engine supersonic cruise missile engine Bi-polar wafer-cell, nickel-metal hydride battery research Versatile affordable advanced turbine engines	32,156	39,156	32,156	2,000	34,156
					[3,000]	[2,500]	[3,000]	
						[4,000]	[2,000]	
						[3,000]	[2,000]	
3600	0603270F	23	ELECTRONIC COMBAT TECHNOLOGY Mobile Collaborative Air Traffic Control System Variable transmittal visor	24,436	24,436	24,436	[2,000]	24,436
3600	0603311F	24	BALLISTIC MISSILE TECHNOLOGY					
3600	0603400F	25	JOINT UNMANNED COMBAT AIR SYSTEMS (J-UCAS) ADVANCE					
3600	0603401F	26	ADVANCED SPACECRAFT TECHNOLOGY Radically segmented launch vehicle Thin film amorphous solar arrays PINPOINT Low cost reconnaissance spacecraft Intelligent free space optical satellite communications node	68,026	84,026	88,026	28,500	96,526
						[4,000]	[2,000]	
						[16,000]	[16,000]	
						[5,000]	[5,000]	
						[4,000]	[2,500]	
						[7,000]	[3,000]	

Title II-RDT and E

(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
3600	0603444F	27	MAUI SPACE SURVEILLANCE SYSTEM (MSSS) High Accuracy Network Determination System	6,074	11,074 [5,000]	6,074	5,000 [5,000]	11,074
3600	0603500F	28	MULTI-DISCIPLINARY ADVANCED DEVELOPMENT SPACE TEC					
3600	0603601F	29	CONVENTIONAL WEAPONS TECHNOLOGY	19,658	19,658	19,658		19,658
3600	0603605F	30	ADVANCED WEAPONS TECHNOLOGY Mid-infrared semiconductor laser for aircraft protection Advanced optics and laser space technology	51,336	50,536 [5,700] [-6,500]	51,336	3,000 [3,000]	54,336
3600	0603723F	31	ENVIRONMENTAL ENGINEERING TECHNOLOGY					
3600	0603789F	32	C3I ADVANCED DEVELOPMENT Massively parallel optical interconnects for battlespace information	35,785	40,585 [4,800]	40,585	3,000 [3,000]	38,785
3600	0603801F	33	SPECIAL PROGRAMS	316,605	316,605	316,605		316,605
3600	0603850F	34	INTEGRATED BROADCAST SERVICE					
3600	0603924F	35	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM	3,713	3,713	3,713		3,713
3600	0207418F	36	TACTICAL AIRBORNE CONTROL SYSTEMS Program decrease	26		26		26
3600	0207423F	37	ADVANCED COMMUNICATIONS SYSTEMS					
3600	0401840F	38	AMC COMMAND AND CONTROL SYSTEM					
3600	0804757F	39	JOINT NATIONAL TRAINING CENTER					
3600	0603260F	40	INTELLIGENCE ADVANCED DEVELOPMENT	4,776	4,776	4,776		4,776
3600	0603287F	41	PHYSICAL SECURITY EQUIPMENT Tactical Automated Security System	298	3,298 [3,000]	298		298
3600	0603421F	42	NAVSTAR GLOBAL POSITIONING SYSTEM III	315,314	315,314	315,314		315,314
3600	0603430F	43	ADVANCED EHF MILSATCOM (SPACE)	633,258	633,258	633,258		633,258
3600	0603432F	44	POLAR MILSATCOM (SPACE)	35,685	35,685	35,685		35,685
3600	0603438F	45	SPACE CONTROL TECHNOLOGY	27,076	27,076	27,076		27,076
3600	0603742F	46	COMBAT IDENTIFICATION TECHNOLOGY	26,517	26,517	26,517		26,517
3600	0603790F	47	NATO RESEARCH AND DEVELOPMENT	4,095	4,095	4,095		4,095

Title II-RDT and E
(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
3600	0603791F	48	INTERNATIONAL SPACE COOPERATIVE R&D	593	593	593		593
3600	0603845F	49	TRANSFORMATIONAL SATCOM (TSAT)	867,102	787,102	797,102	-100,000	767,102
			Transformational satellite communications		[-80,000]	[-70,000]	[-100,000]	
			Program decrease					
3600	0603850F	50	INTEGRATED BROADCAST SERVICE	20,592	20,592	20,592		20,592
3600	0603851F	51	INTERCONTINENTAL BALLISTIC MISSILE	45,538	45,538	45,538		45,538
3600	0603854F	52	WIDEBAND GAFILLER SYSTEM RDT&E (SPACE)	37,672	37,672	46,172		37,672
			Satellite command and control consolidation			[8,500]		
3600	0603858F	53	SPACE RADAR	266,401	236,401	200,001	-66,401	200,000
			Space radar					
			Program decrease					
3600	0603859F	54	POLLUTION PREVENTION	2,853	[-30,000]	4,353	[-66,401]	4,353
			O2 diesel particulate emission reduction research		2,853		1,500	
3600	0603860F	55	JOINT PRECISION APPROACH AND LANDING SYSTEMS	10,011	10,011	[1,500]	[1,500]	10,011
3600	0604015F	56	NEXT GENERATION BOMBER	25,598	25,598	25,598		25,598
3600	0604327F	57	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTI)					
3600	0604400F	58	JOINT UNMANNED COMBAT AIR SYSTEMS (J-UCAS) ADVANCE					
3600	0604855F	59	OPERATIONALLY RESPONSIVE LAUNCH					
3600	0604856F	60	COMMON AERO VEHICLE (CAV)	33,386	33,386	33,386		33,386
3600	0604857F	61	OPERATIONALLY RESPONSIVE SPACE	35,625	60,625	35,625		35,625
			Program increase					
			High altitude airship program increase (HASC Amdt)		[20,000]			
					[5,000]			
3600	0207423F	62	ADVANCED COMMUNICATIONS SYSTEMS	349,311	349,311	349,311		349,311
3601	0305178F	63	NATIONAL POLAR-ORBITING OPERATIONAL ENVIRONMENTAL	23,599	23,599	23,599		23,599
3600	0603840F	64	GLOBAL BROADCAST SERVICE (GBS)					

Title II-RDT and E

(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
3600	0604012F	65	JOINT HELMET MOUNTED CUEING SYSTEM (JHMCS)	2,792		2,792		2,792
			Program decrease		[-2,792]			
3600	0604222F	66	NUCLEAR WEAPONS SUPPORT	14,895	14,895	14,895		14,895
3600	0604226F	67	B-1B	130,546	130,546	130,546		130,546
3600	0604233F	68	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING	3,703	3,703	3,703		3,703
3600	0604239F	69	F-22					
3600	0604240F	70	B-2 ADVANCED TECHNOLOGY BOMBER	224,177	240,177	224,177	16,000	240,177
			SDB integration		[16,000]		[16,000]	
3600	0604261F	71	PERSONNEL RECOVERY SYSTEMS	254,310	254,310	254,310	-30,000	224,310
			Contract award delays				[-30,000]	
3600	0604270F	72	ELECTRONIC WARFARE DEVELOPMENT	87,784	87,784	87,784		87,784
3600	0604280F	73	JOINT TACTICAL RADIO	93	93	93		93
3600	0604287F	74	PHYSICAL SECURITY EQUIPMENT	104,080	104,080	104,080		104,080
3600	0604329F	75	SMALL DIAMETER BOMB (SDB)	47,292	52,292	55,292	8,000	55,292
3600	0604421F	76	COUNTERSPACE SYSTEMS		[5,000]	[8,000]	[8,000]	
			Space control test capabilities		116,157	125,157	2,000	123,157
3600	0604425F	77	SPACE SITUATION AWARENESS SYSTEMS	121,157		[4,000]	[2,000]	
			Joint space intelligent decision support					
			Space Based Space Surveillance System program reduction (HASC Amndt)					
3600	0604429F	78	AIRBORNE ELECTRONIC ATTACK	12,421	12,421	12,421		12,421
3600	0604441F	79	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD	668,902	668,902	668,902		668,902
3600	0604443F	80	ALTERNATIVE INFRARED SPACE SYSTEM (AIRSS)	102,962	102,962	102,962		102,962
3600	0604479F	81	MILSTAR LDR/MDR SATELLITE COMMUNICATIONS (SPACE) (H					
3600	0604600F	82	MUNITIONS DISPENSER DEVELOPMENT					
3600	0604602F	83	ARMAMENT/ORDNANCE DEVELOPMENT	5,039	5,039	5,039		5,039
3600	0604604F	84	SUBMUNITIONS	5,759	5,759	5,759		5,759
3600	0604617F	85	AGILE COMBAT SUPPORT	10,095	10,095	10,095		10,095

Title II-RDT and E
(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
3600	0604618F	86	JOINT DIRECT ATTACK MUNITION	15,450	15,450	15,450		15,450
3600	0604706F	87	LIFE SUPPORT SYSTEMS	12,370	12,370	12,370		12,370
3600	0604735F	88	COMBAT TRAINING RANGES	14,363	14,363	14,363		14,363
3600	0604740F	89	INTEGRATED COMMAND & CONTROL APPLICATIONS (IC2A)	167	5,167	4,167	7,000	7,167
			Global Awareness Presentation System			[4,000]	[2,000]	
			Distributed mission interoperability tool kit		[5,000]		[5,000]	
3600	0604750F	90	INTELLIGENCE EQUIPMENT	1,426	1,426	1,426		1,426
3600	0604762F	91	COMMON LOW OBSERVABLES VERIFICATION SYSTEM (CLOV)					
3600	0604800F	92	JOINT STRIKE FIGHTER (JSF)	1,999,068	2,408,568	2,199,468	171,500	2,170,568
			Joint Strike Fighter alternate engine development		[408,000]	[200,400]	[170,000]	
			Second source tire research		[1,500]		[1,500]	
3600	0604851F	93	INTERCONTINENTAL BALLISTIC MISSILE					
			ICBM security modernization (S. Amndt)					
3600	0604853F	94	EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE)	18,513	18,513	18,513		18,513
3600	0605011F	95	RDT&E FOR AGING AIRCRAFT	25,490	25,490	25,490		25,490
3600	0605807F	96	TEST AND EVALUATION SUPPORT	2,388	2,388	2,388		2,388
3600	0207434F	97	LINK-16 SUPPORT AND SUSTAINMENT	172,625	172,625	172,625		172,625
3600	0207443F	98	FAMILY OF INTEROPERABLE OPERATIONAL PICTURES (FIOP)					
3600	0207450F	99	E-10 SQUADRONS	390,896	390,896	390,896		390,896
3600	0207451F	100	SINGLE INTEGRATED AIR PICTURE (SIAP)	40,124	40,124	40,124		40,124
3600	0207701F	101	FULL COMBAT MISSION TRAINING	32,243	32,243	32,243		32,243
3600	0305176F	102	COMBAT SURVIVOR EVADER LOCATOR					
3600	0401318F	103	CV-22	26,601	26,601	26,601		26,601
3600	0604256F	104	THREAT SIMULATOR DEVELOPMENT	38,131	38,131	38,131		38,131

Title II-RDT and E

(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
3600	0604759F	105	MAJOR T&E INVESTMENT Enterprise test data management Eglin Air Armament Center	58,506	67,306 [5,800]	58,506	4,000 [3,000]	62,506
3600	0605101F	106	RAND PROJECT AIR FORCE Analytical and technical support	25,211	25,211 [4,500]	29,711	3,000 [3,000]	28,211
3600	0605306F	107	RANCH HAND II EPIDEMIOLOGY STUDY					
3600	0605502F	108	SMALL BUSINESS INNOVATION RESEARCH	34,802	34,802	34,802		34,802
3600	0605712F	109	INITIAL OPERATIONAL TEST & EVALUATION	740,134	740,134	740,134		740,134
3600	0605807F	110	TEST AND EVALUATION SUPPORT	14,704	26,704	27,704	13,000	27,704
3600	0605860F	111	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE) Ballistic missile range safety tech			[13,000]	[13,000]	
3600	0605864F	112	Joint advanced global strike demo SPACE TEST PROGRAM (STP)	46,310	46,310	46,310		46,310
3600	0605976F	113	FACILITIES RESTORATION AND MODERNIZATION - TEST AND	54,683	54,683	54,683		54,683
3600	0605978F	114	FACILITIES SUSTAINMENT - TEST AND EVALUATION SUPPORT	25,579	25,579	25,579		25,579
3600	0804731F	115	GENERAL SKILL TRAINING	305	305	305		305
3600	0909900F	116	FINANCING FOR EXPIRED ACCOUNT ADJUSTMENTS					
3600	0909980F	117	JUDGMENT FUND REIMBURSEMENT					
3600	1001004F	118	INTERNATIONAL ACTIVITIES	3,911	3,911	3,911		3,911
3600	0605024F	119	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY	8,014	8,014	8,014		8,014
3600	0605798F	120	ANALYSIS SUPPORT GROUP	[]	[]	[]		[]
3600	0101113F	121	B-52 SQUADRONS MIL-STD-1760	71,379	77,379 [6,000]	71,379	6,000 [6,000]	77,379
3600	0101120F	122	ADVANCED CRUISE MISSILE	6,983	6,983	6,983		6,983
3600	0101122F	123	AIR-LAUNCHED CRUISE MISSILE (ALCM)	3,736	3,736	3,736		3,736

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Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
3600	0101313F	124	STRAT WAR PLANNING SYSTEM - USSTRATCOM	27,285	27,285	32,285	3,000	30,285
			Global command & control devel center			[5,000]	[3,000]	
3600	0101314F	125	NIGHT FIST - USSTRATCOM	5,162	5,162	5,162		5,162
3600	0101815F	126	ADVANCED STRATEGIC PROGRAMS	22,423	22,423	22,423		22,423
3600	0102326F	127	REGION/SECTOR OPERATION CONTROL CENTER MODERNIZA'	14,853	14,853	14,853		14,853
3600	0203761F	128	WARFIGHTER RAPID ACQUISITION PROCESS (WRAP) RAPID TF	30,584	30,584	30,584		30,584
3600	0207131F	129	A-10 SQUADRONS	80,771	80,771	80,771	-48,800	31,971
			Propulsion upgrade program				[-48,800]	
3600	0207133F	130	F-16 SQUADRONS	148,373	148,373	148,373		148,373
3600	0207134F	131	F-15E SQUADRONS	125,062	125,062	125,062		125,062
3600	0207136F	132	MANNED DESTRUCTIVE SUPPRESSION	515	515	515		515
3600	0207138F	133	F/A-22 SQUADRONS	584,290	584,290	584,290	-100,000	484,290
			Program growth				[-100,000]	
3600	0207141F	134	F-117A SQUADRONS	14,093	14,093	14,093		14,093
3600	0207161F	135	TACTICAL AIM MISSILES	8,850	8,850	8,850		8,850
3600	0207163F	136	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	43,417	45,704	43,417		43,417
			Transfer from line 17		[2,287]			
3600	0207224F	137	COMBAT RESCUE AND RECOVERY					
3600	0207247F	138	AF TENCAP	11,202	11,202	11,202		11,202
3600	0207248F	139	SPECIAL EVALUATION PROGRAM	530,038	530,038	530,038		530,038
3600	0207253F	140	COMPASS CALL	4,469	4,469	4,469		4,469
3600	0207268F	141	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	154,319	154,319	154,319		154,319
3600	0207277F	142	CSAF INNOVATION PROGRAM	1,612	1,612	1,612		1,612
3600	0207325F	143	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)	40,881	40,881	40,881		40,881
3600	0207410F	144	AIR & SPACE OPERATIONS CENTER (AOC)	87,483	87,483	87,483	-10,000	77,483
			Program moderation				[-10,000]	

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<u>Acct</u>	<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2007</u>	<u>House</u>	<u>Senate</u>	<u>Conference</u>	<u>Conference</u>
				<u>Request</u>	<u>Authorized</u>	<u>Authorized</u>	<u>Change</u>	<u>Authorized</u>
3600	0303131F	170	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETW	64,109	64,109	64,109		64,109
3600	0303140F	171	INFORMATION SYSTEMS SECURITY PROGRAM	183,523	183,523	183,523		183,523
3600	0303141F	172	GLOBAL COMBAT SUPPORT SYSTEM	19,895	19,895	19,895		19,895
3600	0303150F	173	GLOBAL COMMAND AND CONTROL SYSTEM	3,348	3,348	3,348		3,348
			Command and control service level management		[10,000]			[10,000]
3600	0303158F	174	JOINT COMMAND AND CONTROL PROGRAM (JC2)	5,818	5,818	5,818		5,818
3600	0303601F	175	MILSATCOM TERMINALS	271,562	271,562	271,562		271,562
3600	0304111F	176	SPECIAL ACTIVITIES	[]	[]	[]		[]
3600	0304260F	177	AIRBORNE SIGINT ENTERPRISE	117,834	117,834	117,834		117,834
3600	0304311F	178	SELECTED ACTIVITIES	[]	[]	[]		[]
3600	0304346F	179	IMAGERY DERIVED MASINT	[]	[]	[]		[]
3600	0304347F	180	OVERHEAD NON-IMAGING INFRARED	[]	[]	[]		[]
3600	0305099F	181	GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	6,620	6,620	6,620		6,620
3600	0305110F	182	SATELLITE CONTROL NETWORK (SPACE)	19,907	19,907	19,907		19,907
3600	0305111F	183	WEATHER SERVICE	34,899	34,899	34,899		34,899
3600	0305114F	184	AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (/					
3600	0305116F	185	AERIAL TARGETS	5,203	5,203	5,203		5,203
3600	0305124F	186	SPECIAL APPLICATIONS PROGRAM	[]	[]	[]		[]
3600	0305128F	187	SECURITY AND INVESTIGATIVE ACTIVITIES	509	509	509		509
3600	0305142F	188	APPLIED TECHNOLOGY AND INTEGRATION	[]	[]	[]		[]
3600	0305148F	189	MEASUREMENT AND SIGNATURE INTELLIGENCE (MASINT) SY					
3600	0305159F	190	DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES (SPACE)	[]	[]	[]		[]
3600	0305160F	191	DEFENSE METEOROLOGICAL SATELLITE PROGRAM (SPACE)	969	969	969		969
3600	0305164F	192	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT)	131,083	131,083	131,083		131,083
3600	0305165F	193	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTR	177,792	177,792	177,792		177,792
3600	0305172F	194	COMBINED ADVANCED APPLICATIONS	[]	[]	[]		[]

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Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
3600	0305173F	195	SPACE AND MISSILE TEST AND EVALUATION CENTER	4,675	4,675	4,675		4,675
3600	0305174F	196	SPACE WARFARE CENTER	726	726	726		726
3600	0305182F	197	SPACELIFT RANGE SYSTEM (SPACE)	38,044	38,044	38,044		38,044
3600	0305193F	198	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)	3,813	3,813	3,813		3,813
3600	0305202F	199	DRAGON U-2					
3600	0305206F	200	AIRBORNE RECONNAISSANCE SYSTEMS	52,824	52,824	52,824		52,824
3600	0305207F	201	MANNED RECONNAISSANCE SYSTEMS	10,132	10,132	10,132		10,132
3600	0305208F	202	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	120,777	124,777	120,777	3,800	124,577
			Formal training unit		[4,000]			[3,800]
3600	0305219F	203	PREDATOR UAV (JMIP)	61,466	61,466	61,466		61,466
3600	0305220F	204	GLOBAL HAWK UAV	247,665	247,665	247,665		247,665
3600	0305221F	205	NETWORK-CENTRIC COLLABORATIVE TARGET (TIARA)	8,499	15,499	8,499		8,499
			Project Suter		[7,000]			
3600	0305887F	206	INTELLIGENCE SUPPORT TO INFORMATION WARFARE	5,163	5,163	5,163		5,163
3600	0305906F	207	NCMC - TW/AA SYSTEM	50,908		55,908	-34,600	16,308
			Single integrated space picture			[5,000]		
			CCIC2S		[-50,908]			[-34,600]
3600	0305910F	208	SPACETRACK (SPACE)			60,281		60,281
3600	0305913F	209	NUDET DETECTION SYSTEM (SPACE)	60,281	60,281	60,281		60,281
3600	0305917F	210	SPACE ARCHITECT					
3600	0305924F	211	NATIONAL SECURITY SPACE OFFICE	13,437	13,437	18,437		13,437
			National security space office			[5,000]		
3600	0305940F	212	SPACE SITUATION AWARENESS OPERATIONS	31,401	31,401	31,401		31,401
3600	0307141F	213	NASS, IO TECHNOLOGY INTEGRATION & TOOL DEV	15,449	15,449	15,449		15,449
3600	0308699F	214	SHARED EARLY WARNING (SEW)	2,999	2,999	2,999		2,999
3600	0401115F	215	C-130 AIRLIFT SQUADRON	248,283	255,383	248,283	3,000	251,283
			Automated maintenance		[7,100]			[3,000]

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Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
3600	040119F	216	C-5 AIRLIFT SQUADRONS (IF)	150,209	150,209	150,209		150,209
3600	0401130F	217	C-17 AIRCRAFT (IF)	173,781	173,781	173,781		173,781
3600	0401132F	218	C-130J PROGRAM	40,542	40,542	40,542		40,542
3600	0401133F	219	AEROMEDICAL EVACUATION					
3600	0401134F	220	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM)	34,916	49,916	34,916		34,916
			AC-130U		[15,000]			
3600	0401218F	221	KC-135S	1,126	1,126	1,126		1,126
3600	0401219F	222	KC-10S	4,781	4,781	4,781		4,781
3600	0401221F	223	KC-135 TANKER REPLACEMENT	203,932	152,432	4,932	-51,500	152,432
			KC-135 aircraft replacement		[-51,500]	[-199,000]	[-51,500]	
3600	0401839F	224	AIR MOBILITY TACTICAL DATA LINK	32,099	32,099	32,099	-10,000	22,099
			Program scope				[-10,000]	
3600	0408011F	225	SPECIAL TACTICS / COMBAT CONTROL	1,024	3,924	1,024	2,000	3,024
			Biostatic protective clothing		[2,900]		[2,000]	
3600	0702207F	226	DEPOT MAINTENANCE (NON-IF)	1,457	3,457	1,457		1,457
3600	0702239F	227	AVIONICS COMPONENT IMPROVEMENT PROGRAM					
			Interactive avionics roadmap					
3600	0702806F	228	ACQUISITION AND MANAGEMENT SUPPORT	17,706	17,706	17,706		17,706
3600	0708011F	229	INDUSTRIAL PREPAREDNESS	36,673	47,173	46,673	19,000	55,673
			Advanced prototyping of nanomaterials			[8,000]	[7,000]	
			Rapid manufacturing and repair of composites for high temp apps			[2,000]	[2,000]	
			Laser peening fatigue life extension				[3,000]	
			Nanocomposites for aerospace applications				[4,000]	
			Radio frequency identification tag				[3,000]	
3600	0708012F	230	LOGISTICS SUPPORT ACTIVITIES					

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(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
3600	0708610F	231	LOGISTICS INFORMATION TECHNOLOGY (LOGIT) Expeditionary Combat Support System	166,338	136,338 [-30,000]	166,338	-30,000 [-30,000]	136,338
3600	0708611F	232	SUPPORT SYSTEMS DEVELOPMENT Aircraft sustainment and availability tools	10,596	13,596	13,596 [3,000]	6,000 [3,000]	16,596
3600	0804757F	233	JOINT NATIONAL TRAINING CENTER Heavy duty hybrid electric engine propulsion	3,073	3,073	3,073	[3,000]	3,073
3600	0808716F	234	OTHER PERSONNEL ACTIVITIES	113	113	113		113
3600	0901202F	235	JOINT PERSONNEL RECOVERY AGENCY	992	992	992		992
3600	0901218F	236	CIVILIAN COMPENSATION PROGRAM	7,779	7,779	7,779		7,779
3600	0901220F	237	PERSONNEL ADMINISTRATION	18,262	18,262	18,262		18,262
3600	0901538F	238	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOP	27,541	27,541	27,541		27,541
3600	XXXXXXXX	999	CLASSIFIED PROGRAMS Program reduction (S. Amdt)	7,196,154	7,196,154	6,746,154 [-450,000]		7,196,154
Total, RDT&E Air Force				24,396,767	24,810,041	23,970,857	-160,816	24,235,951

Transformational satellite communications

The budget request included \$867.0 million in PE 63845F for transformational satellite communications (TSAT).

The House bill would authorize a decrease of \$80.0 million in PE 63845F for TSAT.

The Senate amendment would authorize a decrease of \$70.0 million in PE 63845F for TSAT.

The conferees agree to authorize \$767.0 million in PE 63845F for TSAT, a decrease of \$100.0 million due to unexecutable growth in the program budget.

While fully supportive of the restructured TSAT program, the conferees note that the budget request for fiscal year 2007 represents a 100 percent increase over fiscal year 2006 appropriated amount of \$429.0 million. The Government Accountability Office questions whether the contractors associated with the space segment of the TSAT program will be able to increase development activities to the requested fiscal year 2007 budget level, hence the recommended reduction.

The conferees direct the Secretary of the Air Force to submit a report to the congressional defense committees by February 15, 2007, explaining what actions the Air Force has taken to address the remaining concerns raised by the TSAT Program Review Group and the Government Accountability Office, including: (1) the need to significantly refine requirements so that program content can be matched to budget constraints, and how the Department plans to control requirements to prevent problems associated with "requirements creep"; (2) the need to adequately staff the TSAT program office with experienced space acquisition professionals; (3) the status of refining key performance parameters so they provide specificity and validation metrics; and (4) the implications for other programs, such as Space Radar and Future Combat System, of a less capable initial block of TSAT satellites.

Space Radar

The budget request included \$266.4 million in PE 63858F for Space Radar (SR) program.

The House bill would authorize a decrease of \$30.0 million in PE 63858F.

The Senate amendment would authorize a decrease of \$66.4 million in PE 63858F.

The conferees agree to authorize \$200.0 million in PE 63858F, a decrease of \$66.4 million, and recommend that the remaining funds be directed toward technology development, system engineering, and concept definition that assumes a single SR system that will meet joint requirements and employ a joint concept of operations with the intelligence community. The conferees are aware that the SR program is being restructured, and may benefit from an incremental, block approach similar to that chosen for the Transformational Satellite (TSAT) program. The conferees would welcome such an approach, however, until further definition of the program is provided, the conferees do not believe it is prudent to move beyond technology development, systems engineering, and concept definition activities. Further

definition would include an agreed upon joint requirements document.

Conferees direct the Secretary of Defense and the Director of National Intelligence (DNI) to submit a joint report to the congressional defense and intelligence committees by March 1, 2007, containing the following elements: (1) a description of the respective roles and responsibilities of the intelligence community and the Department of Defense with respect to the development of a SR, including an updated Memorandum of Agreement between the Secretary and the DNI; (2) the process by which the intelligence community and the Department coordinate joint development efforts and requirements definition; (3) the plans for achieving a cost-share agreement between the intelligence community and the Department for the development and acquisition of a SR capability; and (4) a commitment from the Secretary and the DNI that SR will be a single system responsive to the requirements of each organization.

The conferees also direct the Secretary, in consultation with the DNI, to submit a report to the congressional defense committees by January 1, 2007, addressing the following: (1) the scope of the space radar architecture, including the system's interactions with other intelligence, surveillance, and reconnaissance platforms providing similar capability, as well as interactions with TSAT or alternative systems for processing and transmitting space radar data to other military applications; (2) the concept of operations, including how space radar data could be used to support defense and intelligence missions, and models for tasking, processing, exploitation, and dissemination to end users; (3) the acquisition approach that could be pursued by the SR program, including the identification of key technologies and their expected maturity at the time of program initiation; and (4) the schedule for meeting a realistic launch date, potential risks to that schedule, and potential risks of not meeting that launch date.

Combatant commanders' integrated command and control system

The budget request included \$50.9 million in PE 35906F for the combatant commanders' integrated command and control system (CCIC2S).

The House bill would authorize no funds in PE 35906F.

The Senate amendment would authorize the budget request.

The conferees agree to authorize \$16.3 million in PE 35906F for the CCIC2S program, a decrease of \$34.6 million.

The conferees believe that the capability to warn against air, missile, and space attacks is critical to our national security and homeland defense, and support the necessary modernization and integration of the command and control systems at Cheyenne Mountain, Colorado for mission execution by North American Aerospace Defense Command, U.S. Northern Command, and U.S. Strategic Command.

In a July 2006 report on the CCIC2S program, the Government Accountability Office (GAO) found that poor past performance, inadequate management and oversight, and changing requirements resulted in significant cost overruns and an undefined delivery schedule. The report further noted that most mission critical capabilities will not be delivered in fiscal year 2006, as initially planned. While the missile warning mission is partially complete, no work has been completed on the space mission and estimated completion dates have not been determined. GAO recommended that eight actions be taken to improve management and oversight of the project.

The conferees believe that many of these recommendations are being addressed, but remain concerned about the Department's prioritization of and commitment to the CCIC2S program, as evidenced by its continued reductions in program funding. The conferees further believe that continued investments in a development program without a defined schedule and final cost risks further cost overruns and schedule delays. It is therefore prudent to reassess program requirements, cost, and schedule; and determine program affordability within the context of the Department's priorities, other acquisition programs, and long-range investment plans, prior to continuing with further development.

The conferees direct the Secretary of Defense to maintain essential operation and maintenance activities, and limit developmental activities to the completion of the missile warning system. In addition, the conferees direct the Secretary of Defense to submit a report by March 1, 2007, to the congressional defense committees that addresses all eight of the GAO recommended actions including an affordability assessment, an economic analysis, and an independent life cycle cost estimate.

The conferees would like to be clear that the reduction to the amount requested for the CCIC2S program should not be construed as a lack of support for the program, but rather a reflection of continuing concerns related to the CCIC2S acquisition approach. The conferees expect that future budget requests reflect an executable program with a defined schedule and commitment of adequate resources.

Research, Development, Test, and Evaluation, Defense-wide overview

The budget request included \$20,809.9 million in Research, Development, Test, and Evaluation, Defense-wide for the Department of Defense.

The House bill would authorize \$20,760.0 million.

The Senate amendment would authorize \$21,488.9 million.

The conferees agree to authorize \$20,930.0 million.

Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
			RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE-WIDE					
0400	0601000BR	1	DTRA UNIVERSITY STRATEGIC PARTNERSHIP BASIC RESEARC	5,000	5,000	5,000		5,000
0400	0601101E	2	DEFENSE RESEARCH SCIENCES	150,690	150,690	163,690	1,000	151,690
			Next-generation protective gear for small arms threats			[3,000]	[1,000]	
			Computer science and cybersecurity (S. Amdt)			[10,000]		
0400	0601111D8Z	3	GOVERNMENT/INDUSTRY COSPONSORSHIP OF UNIVERSITY R	9,532	9,532	9,532		9,532
0400	0601114D8Z	4	DEFENSE EXPERIMENTAL PROGRAM TO STIMULATE COMPET	19,532	19,532	24,532		19,532
0400	0601120D8Z	5	NATIONAL DEFENSE EDUCATION PROGRAM			[5,000]		
			Program increase (S. Amdt)			108,882	11,500	110,682
0400	0601384BP	6	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	99,182	109,182			
			Detection of biological agents in water			[1,500]	[1,500]	
			Organic light emitting receptor based nanosensors			[2,000]	[2,000]	
			Next-generation protective gear for chem bio defense			[3,000]	[3,000]	
			Superstructural particle evaluation and characterization with targeted reaction analysis			[3,200]		
			Basic research initiative		[10,000]		[5,000]	
0400	0602000D8Z	7	INSENSITIVE MUNITIONS - EXPLORATORY DEVELOPMENT	10,447	10,447	10,447		10,447
0400	060227D8Z	8	MEDICAL FREE ELECTRON LASER (MFEL)	10,255	15,255	20,255	8,700	18,955
			Program increase (MFEL)		[5,000]	[10,000]	[8,700]	
0400	0602228D8Z	9	HISTORICALLY BLACK COLLEGES AND UNIVERSITIES (HBCU)	14,423	14,423	14,423		14,423
0400	0602234D8Z	10	LINCOLN LABORATORY RESEARCH PROGRAM	28,975	28,975	28,975		28,975
0400	0602303E	11	INFORMATION & COMMUNICATIONS TECHNOLOGY	242,852	236,852	242,852		242,852
			Program decrease (HASC Amdt)		[-6,000]			
0400	0602304E	12	COGNITIVE COMPUTING SYSTEMS	220,085	220,085	220,085		220,085
0400	0602383E	13	BIOLOGICAL WARFARE DEFENSE	112,242	124,242	112,242	2,400	114,642
			Asymmetrical protocols for biological defense enhancement		[12,000]		[2,400]	

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<u>Acct</u>	<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2007</u> <u>Request</u>	<u>House</u> <u>Authorized</u>	<u>Senate</u> <u>Authorized</u>	<u>Conference</u> <u>Change</u>	<u>Conference</u> <u>Authorized</u>
0400	0602384BP	14	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	280,422	275,422	306,022	5,300	285,722
			Alternative delivery methods for recombinant protein vaccines			[5,100]	[3,500]	
			Chemical agent fate evaporation model verification and validation			[2,000]	[2,000]	
			Multi-purpose biodefense immunarray			[1,500]	[1,500]	
			Mustard gas antidote research consortium (STIMAL)			[3,000]	[1,000]	
			CB smart materials			[4,000]		
			Rapid identification of biological warfare agents			[1,000]	[1,000]	
			Next-generation chem-bio protection suit			[4,000]	[1,800]	
			Escape mask			[4,000]	[4,000]	
			Personal protection against infectious agents		[5,000]	[1,000]	[1,000]	
			Low cost collective protection shelters		[-30,000]		[4,000]	
			Transformational medical technology initiative		[20,000]		[-30,000]	
			Applied research initiative				[15,500]	
0400	0602702E	15	TACTICAL TECHNOLOGY	383,680	383,680	373,680	-8,000	375,680
			Automated battle management			[-6,000]	[-6,000]	
			HEDLight			[-2,000]		
			TETURAN			[-2,000]		
0400	0602715E	16	MATERIALS AND BIOLOGICAL TECHNOLOGY	297,277	297,277	292,277	[-2,000]	297,277
			Biochemical materials			[-5,000]		
0400	0602716BR	17	WMD DEFEAT TECHNOLOGY	213,152	213,152	213,152		213,152
0400	0602716E	18	ELECTRONICS TECHNOLOGY	246,978	246,978	246,978		246,978
0400	0602717BR	19	WMD DEFENSE TECHNOLOGIES	105,021	105,021	110,021	4,000	109,021
			Modeling and simulation			[5,000]	[4,000]	
0400	0602787D8Z	20	MEDICAL TECHNOLOGY					

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Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
0400	1160401BB	21	SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT	12,698	32,698	16,298	7,000	19,698
			Wearable Hyperspectral Imaging System			[3,600]	[2,000]	
			Global observer		[10,000]		[5,000]	
			Angel fire		[10,000]			
0400	1160407BB	22	SOF MEDICAL TECHNOLOGY DEVELOPMENT	2,293	2,293	2,293		2,293
0400	0603002D8Z	23	MEDICAL ADVANCED TECHNOLOGY					
0400	0603121D8Z	24	SO/LIC ADVANCED DEVELOPMENT	30,575	30,575	30,575		30,575
0400	0603122D8Z	25	COMBATING TERRORISM TECHNOLOGY SUPPORT	65,768	89,768	65,768	2,800	68,568
			Cooperative prototyping		[18,000]			
			UAS Avionics Upgrades		[4,000]		[1,000]	
			Portable Armor Wall System		[2,000]		[1,800]	
0400	0603160BR	26	COUNTERPROLIFERATION INITIATIVES - PROLIFERATION PRE	104,582	104,582	108,582	4,000	108,582
			Glass Scintillation fiber radiation detectors			[2,000]	[2,000]	
			Radiation portal monitor			[2,000]	[2,000]	
0400	0603175C	27	BALLISTIC MISSILE DEFENSE TECHNOLOGY	206,676	173,976	206,676	-17,600	189,076
			High altitude airstrip		[-40,700]		[-20,000]	
			Net centric airborne defense equipment		[8,000]		[8,000]	
			Program decrease				[-5,600]	
0400	0603225D8Z	28	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT	16,862	16,862	16,862		16,862
0400	0603286E	29	ADVANCED AEROSPACE SYSTEMS	115,829	104,629	99,529	-5,300	110,529
			Heavy fuel engine			[-4,000]		
			Cormorant			[-4,000]		
			Global range transatmospheric vehicle			[-5,300]		
			Reduction in new starts			[-3,000]		
			Program decrease					
0400	0603287E	30	SPACE PROGRAMS AND TECHNOLOGY	254,913	[-11,200]	254,913		254,913
			Improved suborbital space operations		259,913			
					[5,000]			

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				<u>Request</u>	<u>Authorized</u>	<u>Authorized</u>	<u>Change</u>	<u>Authorized</u>
0400	0603384BP	31	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - ADVANCE	207,114	197,114	209,114	-10,000	197,114
			Next-generation gas chromatographic mass spectrometer			[2,000]		
			Transformational medical technology initiative		[-20,000]			
			Advanced technology development initiative		[10,000]			
0400	0603400D8Z	32	JOINT UNMANNED COMBAT AIR SYSTEMS (J-UCAS) ADVANCE		9,400	9,400		9,400
0400	0603618D8Z	33	JOINT ELECTRONIC ADVANCED TECHNOLOGY	9,400	9,400	37,753		35,553
0400	0603648D8Z	34	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS	35,553	35,553	[2,200]		7,700
			Large data joint capability technology demonstration			10,700		
0400	0603711D8Z	35	JOINT ROBOTICS PROGRAM/AUTONOMOUS SYSTEMS	7,700	7,700	[3,000]		53,237
			Versatile, Modular, Diesel Hybrid Unmanned System			59,337		
0400	0603712S	36	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS	23,437	37,437	[7,000]	29,800	
			Vehicle fuel cell program			[4,000]	[7,000]	
			Emerging critical interconnection technology		[10,000]	[4,300]	[4,300]	
			Emergency power source development			[1,700]		
			Comprehensive and integrated strategy for hydrogen			[3,000]	[3,000]	
			New England manufacturing supply chain			[3,000]	[3,000]	
			Aging systems and sustainment technologies			[4,200]		
			Advanced mobile gas-to-liquid fueler		[3,000]	[5,000]	[4,500]	
			Solid hydrogen storage systems			[8,000]	[8,000]	
			Connectory expansion for rapid ID of technology sources		[1,000]			
0400	0603713S	37	DISTRIBUTION PROCESS OWNER TECHNOLOGY DEVELOPME	15,215	15,215	15,215		15,215
0400	0603716D8Z	38	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM	67,149	67,149	69,149	2,000	69,149
			Dendrimer enhanced water remediation research			[2,000]	[2,000]	
0400	0603720S	39	MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUP.		14,000	12,000	12,000	12,000
			Super lattice nanotechnology		[6,000]	[4,000]	[4,000]	
			Surface radar technology		[8,000]	[8,000]	[8,000]	

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0400	0603727D8Z	40	JOINT WARFIGHTING PROGRAM	10,641	10,641	10,641		10,641
0400	0603739E	41	ADVANCED ELECTRONICS TECHNOLOGIES	248,627	248,627	248,627		248,627
0400	0603750D8Z	42	ADVANCED CONCEPT TECHNOLOGY DEMONSTRATIONS	158,334	158,334	160,334	2,000	160,334
			Masking shunt			[2,000]	[2,000]	
0400	0603755D8Z	43	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	175,313	175,313	177,313	2,000	177,313
			Simulation center upgrades			[2,000]	[2,000]	
0400	0603760E	44	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	232,489	232,489	224,689		232,489
			PANDA			[-5,000]		
			XG			[-2,800]		
0400	0603764E	45	LAND WARFARE TECHNOLOGY	48,975	48,975	48,975		48,975
0400	0603765E	46	CLASSIFIED DARPA PROGRAMS	151,598	151,598	151,598		151,598
0400	0603766E	47	NETWORK-CENTRIC WARFARE TECHNOLOGY	174,276	174,276	174,276		174,276
0400	0603767E	48	SENSOR TECHNOLOGY	205,519	205,519	205,519		205,519
0400	0603768E	49	GUIDANCE TECHNOLOGY	157,367	157,367	157,367		157,367
0400	0603769SE	50	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOP	14,918	14,918	14,918		14,918
0400	0603781D8Z	51	SOFTWARE ENGINEERING INSTITUTE	26,594	26,594	26,594		26,594
0400	0603805S	52	DUAL USE TECHNOLOGY					
0400	0603826D8Z	53	QUICK REACTION SPECIAL PROJECTS	107,782	107,782	111,282		107,782
			Portable explosive screening and countermeasures			[3,500]		
0400	0603828D8Z	54	JOINT EXPERIMENTATION	115,684	115,684	125,684	8,000	123,684
			Joint modeling, simulation and experimentation			[10,000]	[8,000]	
0400	0603832D8Z	55	JOINT WARGAMING SIMULATION MANAGEMENT OFFICE	36,179	36,179	36,179		36,179
0400	0603941D8Z	56	TEST & EVALUATION SCIENCE & TECHNOLOGY	39,939	39,939	39,939		39,939
0400	0603942D8Z	57	TECHNOLOGY LINK	6,822	9,322	6,822		6,822
			Homeland defense technology transfer		[2,500]			
0400	0605160D8Z	58	COUNTERPROLIFERATION SUPPORT					

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0400	1160402BB	59	SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMI	80,402	92,902	73,602	-10,500	69,902
			Small and medium caliber recoil mitigation technologies			[3,000]	[3,000]	
			Advanced tactical laser			[-20,000]	[-20,000]	
			Special operations portable power source program			[5,000]	[5,000]	
			Flashlight Soldier to Soldier Combat Identification System (FSCIS)			[2,000]		
			Advanced tactical airborne C4ISR systems (ATACS)			[3,200]		
			Foxhound Arabic software		[4,000]		[1,500]	
			Modular computing		[5,000]			
			Surveillance augmentation vehicle - SAVIOR		[3,500]			
0400	0603161D8Z	60	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPM	33,890	33,890			33,890
0400	0603228D8Z	61	PHYSICAL SECURITY EQUIPMENT					
			Intelligent design exploration					
0400	0603527D8Z	62	RETRACT LARCH	22,383	22,383			22,383
0400	0603709D8Z	63	JOINT ROBOTICS PROGRAM	12,210	15,210	12,210	1,000	13,210
			Machine vision and mapping software for autonomous movement		[3,000]		[1,000]	
0400	0603714D8Z	64	ADVANCED SENSOR APPLICATIONS PROGRAM	18,820	18,820			18,820
0400	0603851D8Z	65	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PRC	28,841	28,841			28,841
0400	0603879C	66	ADVANCED CONCEPTS, EVALUATIONS AND SYSTEMS					
0400	0603881C	67	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	1,038,310	1,038,310	1,038,310	50,000	1,088,310
			Arrow Ballistic Missile Defense System (non-add) (S. Amdt)			[52,000]		
			Arrow system improvement program (non-add) (S. Amdt)			[8,000]		
			Arrow co-production				[50,000]	

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0400	0603882C	68	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT Ground-Based Midcourse Defense System Midcourse concurrent test and operations Block 2010 third site	2,876,972	2,841,172 [20,000] [-55,800]	3,121,972 [200,000]	202,000 [225,000]	3,078,972
0400	0603883C	69	Ground-Based Midcourse Defense System (S. Amdt)			[45,000]		
0400	0603884BP	70	BALLISTIC MISSILE DEFENSE BOOST DEFENSE SEGMENT CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	631,616 73,111	631,616 73,111	631,616 77,111 [4,000]	4,000 [4,000]	631,616 77,111
0400	0603884C	71	Oral anthrax/plague vaccine	514,510	514,510	519,510 [5,000]	4,000 [4,000]	518,510
0400	0603886C	72	Airborne Infrared Surveillance System BMD System interceptor	405,508	305,508 [-100,000]	205,508 [-200,000]	-160,000 [-160,000]	245,508
0400	0603888C	73	BALLISTIC MISSILE DEFENSE TEST & TARGETS	591,911	591,911	591,911		591,911
0400	0603889C	74	BALLISTIC MISSILE DEFENSE PRODUCTS BMD products	506,840	506,840	466,840 [-40,000]	-28,000 [-28,000]	478,840
0400	0603890C	75	BALLISTIC MISSILE DEFENSE SYSTEMS CORE BMD core	473,077	483,077	433,077 [-40,000]	-25,000 [-25,000]	448,077
0400	0603891C	76	Aegis information assurance and systems integration SPECIAL PROGRAMS -- MDA Special programs -- MDA	374,532	[10,000] 374,532	354,532 [-20,000]	-26,400 [-26,400]	348,132
0400	0603892C	77	AEGIS BMD Aegis BMD SM-3 interceptors S band radar development Aegis BSP, two color seeker open architecture program acceleration	1,031,874	1,071,874 [20,000] [10,000] [10,000]	1,131,874 [100,000]	100,000 [70,000] [10,000] [20,000]	1,131,874

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0400	0603893C	78	SPACE TRACKING & SURVEILLANCE SYSTEM	390,585	390,585	390,585	-67,000	323,585
			Space Tracking Surveillance System (Block 2012)				[-67,000]	
0400	0603894C	79	MULTIPLE KILL VEHICLE	164,975	99,975	164,975	-40,000	124,975
			Program decrease		[-65,000]		[-40,000]	
0400	0603920D8Z	80	HUMANITARIAN DEMINING	14,489	14,489	14,489		14,489
0400	0603923D8Z	81	COALITION WARFARE	5,878	5,878	5,878		5,878
0400	0604016D8Z	82	DEPARTMENT OF DEFENSE CORROSION PROGRAM	4,966	4,966	6,966		4,966
			Corrosion prevention research			[2,000]		
0400	0604400D8Z	83	JOINT UNMANNED COMBAT AIR SYSTEMS (J-UCAS) ADVANCE					
0400	0604648D8Z	84	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS	3,047	3,047	3,047		3,047
0400	0604722D8Z	85	JOINT SYSTEMS INTEGRATION COMMAND (JSIC)	20,755	20,755	20,755		20,755
0400	0604828D8Z	86	JOINT FIRES INTEGRATION AND INTEROPERABILITY TEAM	16,782	16,782	16,782		16,782
0400	0605017D8Z	87	REDUCTION OF TOTAL OWNERSHIP COST	25,289	25,289	25,289		25,289
0400	0303191D8Z	88	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM	3,672	3,672	3,672		3,672
0400	0604051D8Z	89	DEFENSE ACQUISITION CHALLENGE PROGRAM (DACP)	29,500	33,500	29,500		29,500
			DD(X), CVN proposals		[4,000]			
0400	0604161D8Z	90	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPM	9,277	9,277	9,277		9,277
0400	0604384BP	91	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	212,072	212,072	212,072		212,072
0400	0604618D8Z	92	MANPADS DEFENSE PROGRAM					
0400	0604709D8Z	93	JOINT ROBOTICS PROGRAM	6,004	6,004	6,004		6,004
0400	0604764K	94	ADVANCED IT SERVICES JOINT PROGRAM OFFICE (AITS-JPO)	9,392	9,392	9,392		9,392
0400	0604771D8Z	95	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTID)	8,177	8,177	8,177		8,177
0400	0605013BL	96	INFORMATION TECHNOLOGY DEVELOPMENT					
0400	0605015BL	97	INFORMATION TECHNOLOGY DEVELOPMENT-STANDARD PRC	11,005	11,005	11,005		11,005
0400	0605016D8Z	98	FINANCIAL MANAGEMENT SYSTEM IMPROVEMENTS					
0400	0605018SE	99	DEFENSE INTEGRATED MILITARY HUMAN RESOURCES SYSTE					

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0400	0605019D8Z	100	ACQUISITION DOMAIN	140,245	90,245	140,245		140,245
0400	0605020BT7	101	BUSINESS TRANSFORMATION AGENCY R&D ACTIVITIES		[-50,000]			
			Program decrease					
0400	0605140D8Z	102	TRUSTED FOUNDRY	42,522	42,522	42,522		42,522
0400	0605648D8Z	103	DEFENSE ACQUISITION EXECUTIVE (DAE) PILOT PROGRAM	6,015	6,015	6,015		6,015
0400	0303129K	104	DEFENSE MESSAGE SYSTEM	11,202	11,202	11,202		11,202
0400	0303140K	105	INFORMATION SYSTEMS SECURITY PROGRAM					
0400	0303141K	106	GLOBAL COMBAT SUPPORT SYSTEM	18,556	18,556	18,556		18,556
0400	0303158K	107	JOINT COMMAND AND CONTROL PROGRAM (JC2)	47,031	47,031	47,031		47,031
0400	0305840K	108	ELECTRONIC COMMERCE					
0400	0305840S	109	ELECTRONIC COMMERCE					
0400	0901200D8Z	110	BMMP DOMAIN MANAGEMENT AND SYSTEMS INTEGRATION					
0400	0603704D8Z	111	SPECIAL TECHNICAL SUPPORT					
0400	0603757D8Z	112	TRAINING TRANSFORMATION (T2)	72,897	76,897	77,897	8,000	80,897
			Command and control network			[5,000]	[5,000]	
			Joint simulation linking campaign analysis to warfighter mission rehearsal				[3,000]	
0400	0603858D8Z	113	UNEXPLODED ORDNANCE DETECTION AND CLEARANCE		[4,000]			
0400	0604140D8Z	114	CAPITAL ASSET MANAGEMENT SYSTEM-MILITARY EQUIPME					
0400	0604774D8Z	115	DEFENSE READINESS REPORTING SYSTEM (DRRS)	10,322	10,322	10,322		10,322
0400	0604875D8Z	116	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT	9,390	9,390	9,390		9,390
0400	0604940D8Z	117	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPME	130,290	130,290	130,290		130,290
0400	0604943D8Z	118	THERMAL VICAR	7,492	7,492	7,492		7,492
0400	0605100D8Z	119	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC)	10,600	10,600	10,600		10,600
0400	0605104D8Z	120	TECHNICAL STUDIES, SUPPORT AND ANALYSIS	30,339	31,339	30,339	1,000	31,339
			NDU pilot program					
0400	0605110BR	121	CRITICAL TECHNOLOGY SUPPORT				[1,000]	

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0400	0605110D8Z	122	USD(A&T)--CRITICAL TECHNOLOGY SUPPORT Military critical technologies program (Transfer from OMDW 260)	2,029	2,829	4,029	2,000	4,029
			Wisconsin Project - International Export Control Center		[800]	[2,000]	[2,000]	
0400	0605114D8Z	123	BLACK LIGHT					
0400	0605117D8Z	124	FOREIGN MATERIAL ACQUISITION AND EXPLOITATION	38,253	38,253	38,253		38,253
0400	0605123D8Z	125	INTERAGENCY EXPORT LICENSE AUTOMATION					
0400	0605124D8Z	126	DEFENSE TRAVEL SYSTEM					
0400	0605126J	127	JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION	52,486	52,486	52,486		52,486
0400	0605128D8Z	128	CLASSIFIED PROGRAM USD(P)					
0400	0605130D8Z	129	FOREIGN COMPARATIVE TESTING	31,995	31,995	31,995		31,995
0400	0605161D8Z	130	NUCLEAR MATTERS-PHYSICAL SECURITY	4,285	4,285	4,285		4,285
0400	0605170D8Z	131	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION	10,990	10,990	10,990		10,990
0400	0605200D8Z	132	GENERAL SUPPORT TO USD (INTELLIGENCE)	5,637	5,637	5,637		5,637
0400	0605384BP	133	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	80,134	80,134	80,134		80,134
0400	0605502BR	134	SMALL BUSINESS INNOVATION RESEARCH					
0400	0605502C	135	SMALL BUSINESS INNOVATIVE RESEARCH - MDA					
0400	0605502D8Z	136	SMALL BUSINESS INNOVATIVE RESEARCH					
0400	0605502E	137	SMALL BUSINESS INNOVATIVE RESEARCH					
0400	0605790D8Z	138	SMALL BUSINESS INNOVATION RESEARCH/CHALLENGE ADMI	2,073	2,073	2,073		2,073
0400	0605798S	139	DEFENSE TECHNOLOGY ANALYSIS	5,577	5,577	5,577		5,577
0400	0605799D8Z	140	FORCE TRANSFORMATION DIRECTORATE	20,404	30,404	45,404	28,500	48,904
			Operationally responsive space			[20,000]	[20,000]	
			Airborne reconnaissance sensor for ORS			[5,000]	[3,500]	
			Project Sheriff			[5,000]	[5,000]	
			Tactical redirected energy initiative					
0400	0605801KA	141	DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	51,929	51,929	51,929		51,929
0400	0605803SE	142	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVALU.	9,348	9,348	9,348		9,348

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0400	0605804D8Z	143	DEVELOPMENT TEST AND EVALUATION	9,203	9,203	9,203		9,203
0400	0605898E	144	MANAGEMENT HQ - R&D	50,951	50,951	45,951	-5,000	45,951
			Management headquarters			[-5,000]	[-5,000]	
0400	0301555G	145	CLASSIFIED PROGRAMS	[]	[]	[]		[]
0400	0301556G	146	SPECIAL PROGRAM	[]	[]	[]		[]
0400	0303169D8Z	147	INFORMATION TECHNOLOGY RAPID ACQUISITION	5,090	5,090	5,090		5,090
0400	0305193D8Z	148	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)	14,128	14,128	14,128		14,128
0400	0305193G	149	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)	[]	[]	[]		[]
0400	0901585C	150	PENTAGON RESERVATION	15,586	15,586	15,586		15,586
0400	0901598C	151	MANAGEMENT HQ - MDA	87,389	87,389	87,389		87,389
0400	0901598D8V	152	IT SOFTWARE DEV INITIATIVES	1,412	1,412	1,412		1,412
0400	0604130V	153	DEFENSE INFORMATION SYSTEM FOR SECURITY (DISS)	35,439	35,439	35,439		35,439
0400	0605127T	154	PARTNERSHIP FOR PEACE (PFP) INFORMATION MANAGEMENT	1,521	1,521	1,521		1,521
0400	0607384BP	155	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTE	7,035	7,035	7,035		7,035
0400	0607828D8Z	156	JOINT INTEGRATION AND INTEROPERABILITY	66,906	66,906	66,906		66,906
0400	0204571J	157	JOINT STAFF ANALYTICAL SUPPORT	7,686	7,686	7,686		7,686
0400	0208043J	158	CLASSIFIED PROGRAMS	1,662	1,662	1,662		1,662
0400	0208045K	159	C4I INTEROPERABILITY	84,313	84,313	84,313		84,313
0400	0208052J	160	JOINT ANALYTICAL MODEL IMPROVEMENT PROGRAM	[]	[]	[]		[]
0400	0301011G	161	CRYPTOLOGIC ACTIVITIES	[]	[]	[]		[]
0400	0301301L	162	GENERAL DEFENSE INTELLIGENCE PROGRAM	[]	[]	[]		[]
			High performance computational systems			[2,000]		
			Armed Forces medical and food research			[4,500]		
0400	0301318BB	163	HUMINT (CONTROLLED)	[]	[]	[]		[]
0400	0301398L	164	MANAGEMENT HQ - GDIP	[]	[]	[]		[]
0400	0301555BB	165	CLASSIFIED PROGRAMS	[]	[]	[]		[]

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0400	0301556BB	166	SPECIAL PROGRAM	[]	[]	[]		[]
0400	0302016K	167	NATIONAL MILITARY COMMAND SYSTEM-WIDE SUPPORT	721	721	721		721
0400	0302019K	168	DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGR	34,007	34,007	34,007		34,007
0400	0303126K	169	LONG-HAUL COMMUNICATIONS - DCS	1,523	1,523	1,523		1,523
0400	0303131K	170	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETW	7,691	7,691	7,691		7,691
0400	0303135G	171	PUBLIC KEY INFRASTRUCTURE (PKI)	14,240	14,240	14,240		14,240
0400	0303136G	172	KEY MANAGEMENT INFRASTRUCTURE (KMI)	38,257	38,257	38,257		38,257
0400	0303140D8Z	173	INFORMATION SYSTEMS SECURITY PROGRAM	14,856	14,856	14,856		14,856
0400	0303140G	174	INFORMATION SYSTEMS SECURITY PROGRAM	404,337	411,337	404,337		404,337
			Polymorphic encryption and detection		[4,000]			
			Accelerated intelligence analyst education and training		[3,000]			
0400	0303148K	175	DISA MISSION SUPPORT OPERATIONS	1,224	1,224	1,224		1,224
0400	0303149J	176	C4I FOR THE WARRIOR	3,556	3,556	3,556		3,556
0400	0303149K	177	C4I FOR THE WARRIOR	6,551	6,551	6,551		6,551
0400	0303150K	178	GLOBAL COMMAND AND CONTROL SYSTEM	59,681	59,681	59,681		59,681
0400	0303153K	179	JOINT SPECTRUM CENTER	12,448	12,448	12,448		12,448
0400	0303165K	180	DEFENSE COLLABORATION TOOL SUITE (DCTS)					
0400	0303170K	181	NET-CENTRIC ENTERPRISE SERVICES (NCES)	28,630	28,630	28,630		28,630
0400	0303610K	182	TELEPORT PROGRAM	14,424	14,424	14,424		14,424
0400	0304210BB	183	SPECIAL APPLICATIONS FOR CONTINGENCIES	11,302	11,302	11,302		11,302
0400	0304345BQ	184	NATIONAL GEOSPACIAL - INTELLIGENCE PROGRAM (NGP)	[]	[]	[]		[]
0400	0305102BQ	185	DEFENSE GEOSPACIAL - INTELLIGENCE PROGRAM	[]	[]	[]		[]
			Commercial airborne IFSAR mapping for NGIA			[10,000]		
0400	0305125D8Z	186	CRITICAL INFRASTRUCTURE PROTECTION (CIP)	12,422	12,422	12,422		12,422
0400	0305127BZ	187	FOREIGN COUNTERINTELLIGENCE ACTIVITIES	[]	[]	2,000		[]
			Credibility Assessment Research Initiative			[2,000]		

Title II-RDT and E
(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
0400	0305146BZ	188	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	20,791	20,791	20,791		20,791
0400	0305183L	189	DEFENSE HUMAN INTELLIGENCE (HUMINT) PROGRAM (DHIP)	[]	[]	[]		[]
0400	0305193L	190	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)	[]	[]	[]		[]
0400	0305199D8Z	191	NET CENTRICITY	8,746	8,746	8,746		8,746
0400	0305202G	192	DRAGON U-2 (JMIP)	[]	[]	[]		[]
0400	0305206G	193	AIRBORNE RECONNAISSANCE SYSTEMS	[]	[]	6,000		[]
			Combat Sent wideband sensor upgrade program			[6,000]		[]
0400	0305207G	194	MANNED RECONNAISSANCE SYSTEMS	[]	[]	[]		[]
0400	0305208BQ	195	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	[]	[]	[]		[]
0400	0305208G	196	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	[]	[]	[]		[]
0400	0305208K	197	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	7,451	7,451	7,451		7,451
0400	0305208L	198	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	[]	[]	[]		[]
0400	0305880L	199	COMBATANT COMMAND INTELLIGENCE OPERATIONS	[]	[]	[]		[]
0400	0305883L	200	HARD AND DEEPLY BURIED TARGET (HDBT) INTEL SUPPORT	[]	[]	[]		[]
0400	0305884L	201	INTELLIGENCE PLANNING AND REVIEW ACTIVITIES	[]	[]	[]		[]
0400	0305885G	202	TACTICAL CRYPTOLOGICAL ACTIVITIES	[]	[]	[]		[]
0400	0305889G	203	COUNTERDRUG INTELLIGENCE SUPPORT	[]	[]	[]		[]
0400	0305889L	204	COUNTERDRUG INTELLIGENCE SUPPORT	[]	[]	[]		[]
0400	0307141G	205	NASS, IO TECHNOLOGY INTEGRATION AND TOOL DEV	[]	[]	[]		[]
0400	0307207G	206	AERIAL COMMON SENSOR (ACS)	[]	[]	[]		[]
0400	0708011S	207	INDUSTRIAL PREPAREDNESS	18,748	21,748	26,748	3,000	21,748
			Casings for improved readiness			[3,000]		[]
			High performance defense manufacturing tech R&D			[5,000]		[]
			Lithium battery systems for asset tracking			[3,000]		[]
0400	0708012S	208	LOGISTICS SUPPORT ACTIVITIES	2,912	2,912	2,912		2,912
0400	0902298J	209	MANAGEMENT HEADQUARTERS (JCS)	3,090	3,090	3,090		3,090
0400	1001018D8Z	210	NATO JOINT STARS	41,670	41,670	41,670		41,670

Title II-RDT and E
(Dollars in Thousands)

Acct	Account	Line	Program Title	FY2007 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
0400	1160279BB	211	SMALL BUSINESS INNOVATIVE RESEARCH/SMALL BUS TECH					
0400	1160403BB	212	SPECIAL OPERATIONS AVIATION SYSTEMS ADVANCED DEVELOPMENT	83,704	83,704	83,704		83,704
0400	1160404BB	213	SPECIAL OPERATIONS TACTICAL SYSTEMS DEVELOPMENT	45,241	58,241	56,141	8,400	53,641
			Wavelet packet modulation		[4,400]	[4,400]	[4,400]	
			Special operations combat assault rifle (scar)		[4,100]	[4,100]	[4,000]	
			Helmet Mount Track System			[2,400]		
			Dominant vision		[4,500]			
0400	1160405BB	214	SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT	29,011	34,011	39,011	5,500	34,511
			Wireless management and control project			[4,000]		
			Multi-spectral laboratory and analytical services center			[6,000]	[3,000]	
			METOC		[5,000]		[2,500]	
0400	1160408BB	215	SOF OPERATIONAL ENHANCEMENTS	99,010	106,010	99,010	3,000	102,010
			Miniaturized tracking devices		[7,000]		[3,000]	
0400	1160421BB	216	SPECIAL OPERATIONS CV-22 DEVELOPMENT					
0400	1160425BB	217	SPECIAL OPERATIONS AIRCRAFT DEFENSIVE SYSTEMS	7,850	7,850	7,850		7,850
0400	1160426BB	218	OPERATIONS ADVANCED SEAL DELIVERY SYSTEM (ASDS) DE	32,452	42,452	32,452		32,452
			Program increase		[10,000]			
0400	1160427BB	219	MISSION TRAINING AND PREPARATION SYSTEMS (MTPS)	1,782	1,782	1,782		1,782
0400	1160428BB	220	UNMANNED VEHICLES (UV)	1,521	1,521	1,521		1,521
0400	XXXXXXXX	999	CLASSIFIED PROGRAMS	3,312,490	3,341,490	3,762,490		3,312,490
			Program increase		[29,000]			
			Program increase (S. Amdt)			[450,000]		
Total, RDT&E Defense-Wide				20,809,939	20,760,039	21,488,939	120,100	20,930,039

National Defense Education Program

The budget request included \$19.5 million in PE 61120D8Z for the National Defense Education Program (NDEP). The House bill would authorize the budget request.

The Senate amendment would authorize an increase of \$5.0 million in PE 61120D8Z.

The conferees agree to authorize \$19.5 million in PE 61120D8Z, specifically for Science, Mathematics, and Research for Transformation scholarships and for other authorized NDEP activities; but authorize no funding for institutional scholarships, fellowships, and traineeships. The conferees recommend that the Department provide information on the need for this activity along with a request for legislative authority to conduct it.

Printed circuit board supply chain

The budget request included \$23.4 million in PE 63712S for generic logistics research and development technology demonstrations.

The House bill would authorize an increase of \$10.0 million in PE 63712S for the emerging critical interconnection technology program to address reliable printed circuit board manufacturing in the United States.

The Senate amendment would authorize an increase of \$4.0 million in PE 63712S for the emerging critical interconnection technology program.

The conferees agree to authorize an increase of \$4.3 million in PE 63712S for the emerging critical interconnection technology program.

The conferees direct the Secretary of Defense to submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the implementation of the recommendations of the National Research Council (NRC) Committee on Manufacturing Trends in Printed Circuit Board Technology. This report should be submitted not later than 9 months after the date of the enactment of this Act. The report should, at a minimum, provide an analysis of each finding and a detailed description of the response by the Department of Defense to each recommendation of the NRC Committee, including a schedule with specific milestones and required funding for completing the implementation of the recommendation or the reasons for a decision not to implement the recommendation.

Joint modeling, simulation, and experimentation

The budget request included \$115.7 million in PE 63828D8Z for joint experimentation, modeling, and simulation technologies.

The House bill would authorize the budget request.

The Senate amendment would authorize an increase of \$10.0 million in PE 63828D8Z to further develop joint, interagency, and coalition modeling, simulation, and experimentation.

The conferees agree to authorize the budget request and an increase of \$8.0 million in PE 63828D8Z in order to fund joint effects-based modeling and simulation that effectively incorporates political, economic, infrastructure, information, societal, and diplomatic factors, as well as coalition warfare, at the tactical level of operations.

As mentioned in the Senate report accompanying S. 2766 (S. Rept. 109-254) of the National Defense Authorization Act for Fiscal Year 2007, the 2006 Quadrennial Defense Review (QDR) Report noted that the Department of Defense must shift its emphasis from Department-centric approaches toward interagency solutions that incorporate all elements of national power. Cooperation across the Federal Government is essential and can be facilitated efficiently by enhanced modeling, simulation, and experi-

mentation. Of the amount authorized, the conferees recommend that \$4.0 million be utilized to carry out an East Coast Asymmetric Warfare Initiative (AWI). The East Coast AWI is designed to enhance our nation's coordination and response capabilities to a Weapon of Mass Destruction (WMD) event through a complex, scenario-based exercise utilizing the experience and unique capabilities of the Navy's Center for Asymmetric Warfare and involving the Commonwealth of Virginia and the State of Maine. This multi-agency exercise involving the Department of Defense, the Department of Homeland Security, other Federal agencies, State and local government entities, as well as the private sector will greatly enhance U.S. response capability to a WMD event and provide a template for future exercises designed to further strengthen our nation's ability to respond to a WMD event.

*Ballistic Missile Defense**Ground-based Midcourse Ballistic Missile Defense*

The budget request included \$2.9 billion in PE 63882C for the Ballistic Missile Defense midcourse defense segment to cover continued development, ground and flight testing, fielding, and support for the Ground-based Midcourse Defense (GMD) system.

The House bill would authorize a decrease of \$35.8 million in PE 63882C, which includes the elimination of all funding, \$55.8 million, for the third GMD site in Europe.

The Senate amendment would authorize an increase of \$245.0 million in PE 63882C.

The conferees agree to authorize \$3.1 billion in PE 63882C, an increase of \$225.0 million for the BMD midcourse defense segment. The increase is directed as follows: \$60.0 million for efforts to accelerate the ability of the GMD system to conduct concurrent test and operations; \$140.0 million for enhanced testing and to increase the pace of GMD flight testing; and \$25.0 million for advanced procurement of an additional six flight test missiles. The Missile Defense Agency (MDA) is expected to budget for the completion of these tasks over fiscal years 2008 to 2011.

The conferees also agree to provide \$32.8 million for the third GMD site in Europe, a decrease of \$23.0 million, and note that a ground-based interceptor site in Europe could provide future protection for the United States and Europe against longer-range ballistic missiles launched from the Middle East. The conferees also direct the Secretary of Defense to report to the congressional defense committees within 30 days of the completion of planned intercept tests FTG-04 and FTG-05. The report should include an assessment of whether the test objectives for these intercept tests have been met. In the event that these test objectives are not met, the Secretary should provide in this report a determination as to whether the remaining block 2008 funds should be re-allocated for additional testing of the block 2004/2006 configuration.

Aegis Ballistic Missile Defense

The budget request included \$1.0 billion in PE 63892C for the sea-based Aegis Ballistic Missile Defense system.

The House bill would authorize an increase of \$40.0 million in PE 63892C.

The Senate amendment would authorize an increase of \$100.0 million in PE 63892C.

The conferees agree to authorize \$1.1 billion in PE 63892C, an increase of \$100.0 million. The increase is directed as follows: \$10.0 million for continued S-band advanced radar algorithm work; \$20.0 million for Aegis BMD signal processor, 2-color seeker development, and acceleration of the open architecture program; and \$70.0 million to support the procurement of 24 additional SM-3 block 1B missiles over fiscal years 2008 to 2011. MDA is

expected to budget for the completion of these tasks over fiscal years 2008 to 2011.

The conferees are aware that the MDA and the Department of the Navy are exploring the feasibility of modifying 100 SM-2 Block IV missiles to obtain a near-term sea-based terminal ballistic missile defense capability starting in fiscal year 2007 with conversion of all missiles completed by the end of fiscal year 2009. According to briefings by the MDA and Department of the Navy, such a capability could afford protection for ships and other critical assets against short-range ballistic missiles in the Scud A/B class. This proposed development would cost approximately \$130.0 million over fiscal years 2007 to 2009, with the Navy share estimated at approximately \$20.0 million in fiscal year 2007. The conferees, while supportive of efforts to provide near-term missile defense capability, require further information before authorizing this development effort to proceed. Therefore, the conferees encourage the Department of Defense to submit to Congress a reprogramming request in fiscal year 2007 to pursue a sea-based terminal missile defense capability, should such a step be consistent with Department requirements and resource constraints. If submitted, the reprogramming request should be accompanied by documentation that: (1) explains the need for such a capability; (2) indicates Department of the Navy endorsement of this program; and (3) includes a Navy-MDA cost-share agreement through completion of the effort.

Arrow Ballistic Missile Defense System

The budget request included \$1.0 billion in PE 63881C for Ballistic Missile Defense Terminal Defense Segment, of which \$13.0 million was for Arrow missile production and \$56.2 million was for the Arrow System Improvement Program.

The House bill would authorize the budget request.

The Senate amendment would authorize an increase of \$8.0 million for the Arrow System Improvement Program and an increase of \$52.0 million for Arrow co-production in PE 63881C.

The conferees agree to authorize a total of \$63.0 million in PE 63881C for Arrow co-production, an increase of \$50.0 million.

Kinetic Energy Interceptor

The budget request included \$405.5 million in PE 63886C for Ballistic Missile Defense System Interceptors for continued development of the Kinetic Energy Interceptor.

The House bill would authorize a decrease of \$100.0 million in PE 63886C.

The Senate amendment would authorize a decrease of \$200.0 million in PE 63886C.

The conferees agree to authorize \$245.5 million in PE 63886C, a decrease of \$160.0 million. The conferees further recommend that no additional funds be reprogrammed into this program element over the course of fiscal year 2007.

Space Tracking and Surveillance System

The budget request included \$390.6 million in PE 63893C for the Space Tracking and Surveillance System.

The House bill and Senate amendment would authorize the budget request.

The conferees agree to authorize \$223.6 million in PE 63893C, a decrease of \$67.0 million.

Products

The budget request included \$506.8 million in PE 63889C for Ballistic Missile Defense (BMD) Products.

The House bill and would authorize the budget request.

The Senate amendment would authorize a decrease of \$40.0 million in PE 63889C.

The conferees agree to authorize \$478.8 million in PE 63889C, a decrease of \$28.0 million.

Systems Core

The budget request included \$473.1 million in PE 63890C for Ballistic Missile Defense Systems Core.

The House bill would authorize a decrease of \$10.0 million in PE 63890C.

The Senate amendment would authorize a decrease of \$40.0 million in PE 63890C.

The conferees agree to authorize \$348.1 million in PE 63890C, a decrease of \$25.0 million.

Special Programs

The budget request included \$374.5 million in PE 63891C for Special Programs—MDA.

The House bill would authorize the budget request.

The Senate amendment would authorize a decrease of \$20.0 million in PE 63891C.

The conferees agree to authorize \$348.1 million in PE 63891C, a decrease of \$26.4 million.

Multiple Kill Vehicle

The budget request included \$165.0 million in PE 63894C for Multiple Kill Vehicle.

The House bill would authorize a decrease of \$65.0 million in PE 63894C.

The Senate amendment would authorize the budget request.

The conferees agree to authorize \$125.0 million in PE 63894C, a decrease of \$40.0 million, and note the importance of this program as a future spiral improvement for the ground-based interceptor.

Operationally responsive space capabilities

The budget request included \$20.4 million in PE 65799D8Z for the Office of Force Transformation (OFT) in the Office of the Secretary of Defense, but included no funding for operationally responsive space capabilities.

The House bill would authorize the budget request in PE 65799D8Z, and would authorize an increase of \$20.0 million in PE 64857F for operationally responsive space capabilities.

The Senate amendment would authorize an increase of \$25.0 million in PE 65799D8Z for development of operationally responsive space capabilities.

The conferees agree to authorize \$48.9 million in PE 65799D8Z, an increase of \$23.5 million for operationally responsive space capabilities. Of this amount, \$20.0 million is for payloads, satellite busses, integration, command and control, and joint warfighter ex-

perimentation; and \$3.5 million is to support adapting existing airborne reconnaissance sensor capabilities for use in responsive space missions.

The conferees expect future operationally responsive space budget requests would be in support of the Operationally Responsive Space Program Office, to the extent applicable, pursuant to guidance in the Operationally Responsive Space provision (sec 913) of this Act.

Operational Test and Evaluation, Defense overview

The budget request included \$181.5 million in Operational Test and Evaluation, Defense for the Department of Defense.

The House bill would authorize \$181.5 million.

The Senate amendment would authorize \$181.5 million.

The conferees agree to authorize \$181.5 million.

Unless noted explicitly in the statement of managers, all changes are made without prejudice.

Title II-RDT and E
(Dollars in Thousands)

<u>Acct</u>	<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2007</u> <u>Request</u>	<u>House</u> <u>Authorized</u>	<u>Senate</u> <u>Authorized</u>	<u>Conference</u> <u>Change</u>	<u>Conference</u> <u>Authorized</u>
			OPERATIONAL TEST & EVALUATION, DEFENSE					
0460	0603941D8Z	1	TEST & EVALUATION SCIENCE & TECHNOLOGY					
0460	0604940D8Z	2	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPME					
0460	0605118D8Z	3	OPERATIONAL TEST AND EVALUATION	50,161	50,161	50,161		50,161
0460	0605118OTE	4	OPERATIONAL TEST AND EVALUATION					
0460	0605131D8Z	5	LIVE FIRE TESTING					
0460	0605131OTE	6	LIVE FIRE TEST AND EVALUATION	11,245	11,245	11,245		11,245
0460	0605804D8Z	7	DEVELOPMENT TEST AND EVALUATION					
0460	0605814OTE	8	OPERATIONAL TEST ACTIVITIES AND ANALYSES	120,114	120,114	120,114		120,114
			Total, Operational Test & Evaluation, Defense	181,520	181,520	181,520		181,520
			TOTAL RDT&E	73,156,008	74,054,578	74,268,148	451,968	73,607,976

ITEM OF SPECIAL INTEREST

Proposed realignment of Air Force test and evaluation facilities

The conferees are concerned about a proposed realignment of Air Force test and evaluation facilities and personnel that could have significant impacts beginning in fiscal year 2007 and continuing into the out years. The conferees believe that additional information and analysis of the impacts of the proposed action is required before any implementation of the plan proceeds. The conferees direct the Secretary of the Air Force, jointly with the Under Secretary of Defense for Acquisition, Technology, and Logistics (USD (AT&L)), and the Director of the Test Resource Management Center (TRMC) to submit separate reports to the congressional defense committees analyzing the proposed actions.

The impact report prepared by the Air Force and USD (AT&L) should include an analysis of the following for proposed personnel relocations and for the facilities proposed closure or realignment: (1) missions served; (2) Department of Defense acquisition programs affected, including an analysis of impacts on risk, cost, and schedule; (3) costs to the Air Force and to the Department, including costs to close or realign test and evaluation capabilities and reconstitute or acquire required capabilities, including personnel, contract termination, military construction, housing costs, installation operations and maintenance, and other costs; (4) a detailed analysis and disclosure of the estimated net cost or savings to the Department derived from the actions and payback period of such actions; (5) developmental and operational test programs impacted; (6) the extent to which the recommendations of the 2005 Defense Base Closure and Realignment Commission support or contradict the findings of this analysis; (7) impacts on the test and evaluation workforce and on the ability to recruit and retain skilled personnel at affected facilities; and (8) alternatives considered. The impact report should also include a joint statement by the Secretary of the Air Force and the USD (AT&L) on changes, if any, to the proposed course of action as a result of the conclusions of the analysis, subsequent actions required as a result of the analysis, and an explanation of the criteria used to determine the level of acceptable risk to the Department in proceeding with the proposed action.

The TRMC report should include an assessment of how the proposed closures or realignments of Air Force research, development, test, and evaluation activities may impact the strategic plan for Department of Defense test and evaluation resources, as required by section 196 of title 10, United States Code. The assessment should focus on whether the Air Force test and evaluation facilities, resources, and budgets will meet the test and evaluation requirements and satisfy performance measures included in the strategic plan.

The conferees direct the Secretary of the Air Force to undertake no action to realign or close any test and evaluation activities, other than those specifically included in the final decisions of the 2005 Defense Base Realignment and Closure round, until 60 days after the two required reports are received by the congressional defense committees.

LEGISLATIVE PROVISIONS ADOPTED

SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS

Authorization of appropriations (sec. 201)

The House bill contained a provision (sec. 201) that would authorize the recommended fiscal year 2007 funding levels for the Research, Development, Test, and Evaluation

accounts for the Army, Navy, Marine Corps, Air Force, Defense-wide activities, and the Director of Operational Test and Evaluation.

The Senate amendment contained a similar provision (sec. 201).

The conference agreement includes this provision.

Amount for defense science and technology (sec. 202)

The House bill contained a provision (sec. 202) that would authorize \$11.7 billion for Department of Defense science and technology programs in fiscal year 2007.

The Senate amendment contained a similar provision (sec. 202) that would authorize \$11.5 billion.

The conferees agree to authorize \$11.7 billion for Department of Defense science and technology programs in fiscal year 2007.

SUBTITLE B—PROGRAM REQUIREMENTS,

RESTRICTIONS, AND LIMITATIONS

Acquisition of, and independent cost analyses for, the Joint Strike Fighter propulsion system (sec. 211)

The Senate amendment contained a provision (sec. 254) that would direct the Secretary of Defense to provide for the development of the propulsion system for the Joint Strike Fighter (JSF) through either: (1) the continuing development and sustainment of two interchangeable propulsion systems by two separate contractors throughout the life cycle of the aircraft, or (2) a one-time firm-fixed-price contract for a selected propulsion system for the life cycle of the aircraft following the initial service release of the aircraft propulsion system in fiscal year 2008.

The House bill contained no similar provision.

The House recedes with an amendment that would:

(1) require the Secretary to provide for the continuing development and sustainment of two interchangeable propulsion systems by two separate contractors throughout the life cycle of the aircraft;

(2) prohibit the Secretary from carrying out any modification to the development and sustainment of two interchangeable engines until:

(a) the Secretary notifies the congressional defense committees of any modification to the acquisition program for the JSF propulsion systems,

(b) three independent, comprehensive, and detailed cost analyses have been submitted, and

(c) funds are appropriated for that purpose pursuant to an authorization of appropriations;

(3) require independent cost analyses be completed by the Secretary, acting through the Cost Analysis Improvement Group of the Office of the Secretary of Defense, the Comptroller General, and a federally-funded research and development center, which would be selected by the Secretary, and be submitted to the congressional defense committees not later than March 15, 2007; and

(4) include a one-time firm-fixed-price contract as part of the independent cost analyses.

Expansion and extension of authority to award prizes for advanced technology achievements (sec. 212)

The Senate amendment contained a provision (sec. 252) that would extend the authority to award prizes for advanced technology achievements to September 30, 2011. The provision would also elevate the authority to the Director, Defense Research and Engineering (DDRE) and expand the authority to include the military departments.

The House bill contained a similar provision (sec. 212) that would extend the authority to September 30, 2010, but would not elevate or expand the authority.

The House recedes with an amendment that would extend the authority to September 30, 2010, and would suspend the authority for failure to provide the report as required in subsection (e) of section 2374a of title 10, United States Code.

The conferees recognize the efforts of the Defense Advanced Research Projects Agency (DARPA) to utilize the prize authority to spur innovation and to engage nontraditional organizations in defense research. The amendment would continue to allow use of the prize authority by DARPA and other components under DDRE.

The conferees have been informed that DARPA has independently decided to withdraw its support of the X PRIZE Foundation's 2006 space technology competitions, but plans to continue work on the advancement of unmanned ground vehicle technology through the Urban Challenge competition. The conferees note that both activities may hold promise for the development of technologies to support defense missions, and therefore encourage the DDRE to evaluate potential benefits of such activities and the use, if appropriate, of the authority provided by this section. The conferees believe that such evaluations could be conducted in a manner that ensures seamless planning and execution for existing programs.

Defense Acquisition Challenge Program extension, enhancement, and modification to address critical cost growth threshold breaches in major defense acquisition programs (sec. 213)

The House bill contained a provision (sec. 213) that would permanently extend the Defense Acquisition Challenge Program (DACP), and protect the identity of those submitting challenge proposals during the proposal evaluation process. The House bill also contained a provision (sec. 805) that would: (1) modify section 2359b of title 10, United States Code, to establish requirements for a DACP proposal solicitation in the event of a critical cost growth threshold breach for a major defense acquisition program, and (2) modify section 2433 of title 10, United States Code, to require that, in the event of a critical cost growth threshold breach, the Secretary of Defense perform certain additional assessments, certifications, and reporting.

The Senate amendment contained a provision (sec. 802) that would extend the DACP through 2012 and would provide the Under Secretary of Defense for Acquisition, Technology, and Logistics (USD (AT&L)) with the authority to establish procedures to ensure that the program is focused on small and medium-sized businesses, and nontraditional defense contractors.

The Senate recedes with an amendment that would consolidate the three provisions into a single provision. The amendment would: (1) modify section 2433 to require the Secretary to perform certain assessments; (2) require USD (AT&L), in coordination with service acquisition executives, to evaluate current challenge proposal transition initiatives and identify additional incentives or authorities; (3) establish procedures to give priority to proposals from nontraditional defense contractors; (4) extend the DACP until September 30, 2012; and (5) clarify amendments to section 2359b regarding requirements for challenge proposal solicitations for acquisition programs that experience critical cost growth threshold breaches, funding guidelines for such challenge proposals, the procedures for disposition of proposals that receive favorable preliminary reviews but unfavorable full evaluations, and measures to ensure confidentiality of challenge proposal submissions.

Future Combat Systems milestone review (sec. 214)

The House bill contained a provision (sec. 214) that would require the Secretary of Defense to conduct a Future Combat Systems (FCS) milestone review, following the preliminary design review, by September 30, 2008, and to submit a report on the results of the FCS milestone review not later than February 13, 2009.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would change the submission date of the required report to 120 days after completion of the preliminary design review of FCS. Although the amendment withholds the obligation of FCS procurement funds beginning in fiscal year 2009 until the Secretary submits the required report, the amendment allows the Department of the Army to obligate funds for the non-line-of-sight cannon and for the costs attributable to insertion of new technology into the current force, if the insertion is approved by the Under Secretary of Defense for Acquisition, Technology, and Logistics. The conferees strongly endorse a program strategy that will enable early spin out of FCS technologies into the current force, a top priority of the Chief of Staff of the Army.

Dedicated amounts for implementing or evaluating Navy shipbuilding technology proposals under Defense Acquisition Challenge Program (sec. 215)

The House bill contained a provision (sec. 216) that would require the Secretary of Defense to provide an additional \$4.0 million for the Defense Acquisition Challenge Program to evaluate or implement challenge proposals specifically for the DD(X) next-generation destroyer and the CVN-21 next-generation aircraft carrier programs.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would authorize up to \$4.0 million to evaluate or implement challenge proposals that relate to technology directly contributing to combat systems and open architecture design for Navy ship platforms.

Independent estimate of costs of the Future Combat Systems (sec. 216)

The Senate amendment contained a provision (sec. 211) that would withhold \$500.0 million from the amount of funds authorized to be appropriated for the development of the Future Combat Systems (FCS) until the Secretary of Defense submits a report of an independent cost estimate for FCS conducted by a federally-funded research and development center.

The House bill contained no similar provision.

The House recedes with an amendment that would remove the withhold of \$500.0 million and change the submission date of the required report to April 1, 2007.

The conferees are disappointed with the response by the Department of Defense to reports required in section 211 of the Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005 (Public Law 108-375) and section 213 of the National Defense Authorization Act for Fiscal Year 2006 (Public Law 109-163). The conferees expect the Department to share the details of the independent cost estimate prepared by the Department's Cost Analysis Improvement Group (CAIG) with the organization selected to conduct the independent cost estimate.

The conferees understand that the Army disagrees with the analysis by CAIG of the Army's FCS cost estimate. It would be useful for the organization selected to perform the independent cost estimate to review and

comment on the discrepancies between the cost estimates of the Army and the CAIG.

Funding of defense science and technology programs (sec. 217)

The Senate amendment contained a provision (sec. 212) that would extend the funding objective for science and technology programs, established in section 212 of the National Defense Authorization Act for Fiscal Year 2000 (Public Law 107-107), to fiscal year 2012, and would require submission of two reports if the Department of Defense fails to meet the outlined funding objective in any single fiscal year budget request.

The House bill contained no similar provision.

The House recedes with an amendment that would make technical changes and would consolidate submission of the required information along with budget requests.

Hypersonics development (sec. 218)

The Senate amendment contained a provision (sec. 213) that would direct the Secretary of Defense to establish a joint technology office (JTO) to coordinate and integrate hypersonics research, development, and demonstration programs and budgets.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify certain responsibilities of the JTO and ensure consideration of test and evaluation resources and facilities in hypersonics programs and plans.

The conferees expect the Department of Defense to fully utilize existing management and coordination functions in fulfilling the requirements of this section and to consider virtual structures and organizations, as appropriate, to minimize any administrative burdens associated with a new JTO while maximizing program outcomes.

Report on program for replacement of nuclear warheads on certain Trident sea-launched ballistic missiles with conventional warheads (sec. 219)

The Senate amendment contained a provision (sec. 214) that would prohibit \$95.0 million of the funds authorized to be appropriated for the Conventional Trident Modification (CTM) program from being obligated or expended until the Secretary of Defense, in consultation with the Secretary of State, submits a report to the congressional defense committees.

The House bill contained no similar provision, but would authorize \$30.0 million in Research, Development, Test, and Evaluation.

The House recedes with an amendment that would strike the limitation on funding while maintaining the reporting requirement. The conference outcome with respect to funding for the CTM program is reflected in the tables of this report under Research, Development, Test, and Evaluation, Navy; Weapons Procurement, Navy; and Other Procurement, Navy.

The conferees continue to believe it is important for the Department of Defense to explore a wide range of capabilities for responding rapidly to emerging threats to the United States and its strategic interests. The conferees encourage the Department to expedite consideration of mid-term options for prompt global strike, and to propose to the congressional defense committees as soon as possible those activities that may be required during fiscal year 2007 to make progress toward developing those concepts the Congress and the Department deem appropriate, including reprogramming actions.

Subtitle C—Missile Defense Programs

Fielding of ballistic missile defense capabilities (sec. 221)

The House bill contained a provision (sec. 221) that would allow funds authorized to be

appropriated for fiscal years 2007 and 2008 for research, development, test, and evaluation for the Missile Defense Agency to be used for the development and fielding of ballistic missile defense capabilities.

The Senate amendment contained a similar provision.

The Senate recedes.

Limitation on use of funds for space-based interceptor (sec. 222)

The House bill contained a provision (sec. 222) that would prevent the Department of Defense from obligating funds for the testing or deployment of a space-based interceptor program until 90 days after submitting a report to Congress describing the program and its national security implications.

The Senate amendment contained no similar provision.

The Senate recedes.

Policy of the United States on priorities in the development, testing, and fielding of missile defense capabilities (sec. 223)

The Senate amendment contained a provision (sec. 232) that would make it the policy of the United States to accord a priority within the missile defense program to the development, testing, fielding, and improvement of effective near-term missile defense capabilities, including the Ground-based Midcourse Defense (GMD) system, the Aegis Ballistic Missile Defense (BMD) system, additional Patriot PAC-3 units, the Terminal High Altitude Area Defense (THAAD) system, and sensors based on land, sea, and in space that support these interceptor systems.

The House bill contained no similar provision.

The House recedes with an amendment that would update the findings to take into account the North Korean ballistic missile test launches of July 2006.

On July 4, 2006, the United States detected the launch of six ballistic missiles from North Korea, followed by an additional launch on July 5, 2006. These missiles varied in range from the short-range Scud to the medium-range No-Dong and included the firing of a Taepo-Dong 2 missile, which intelligence agencies believe could eventually reach United States territory. The conferees believe these North Korean launches, as well as activities related to the development and testing of Iranian ballistic missiles, reinforce congressional direction provided to the Department of Defense over the past 2 years to focus its efforts on those initial missile defense systems that are now providing, or starting to provide, a measure of protection for the United States and its deployed forces.

The Department's excessive focus on and investment in the development of long-term technologies has made it difficult for the Missile Defense Agency to successfully develop, test, and field—in sufficient numbers—the initial missile defense capabilities necessary to address the current threat. For example, the Department has reduced planned deliveries of the highly successful sea-based Standard-Missile 3 from 120 to 96 over the future years defense program and its programming to procure only 48 THAAD missiles. Also, the Department is not funding enough PAC-3 missiles to meet the needs of combatant commanders in areas where forward deployed U.S. forces are currently within range of short- and medium-range ballistic missiles. The budget request for the GMD system also leads conferees to believe that inadequate resources have been applied toward ensuring the GMD system is fully tested and is able to stand alert even while testing is underway.

The conferees believe that the emphasis of our missile defense efforts should be on the current generation of missile defense capabilities—even if this comes at the expense of

longer-term development efforts. Based on congressional testimonies by combatant commanders, who inform Congress that they require more missile defense inventory to keep pace with the threat, and mindful of recent developments in North Korea and Iran, the conferees believe that priority should be given to developing, testing, fielding, and improving effective near-term missile defense capabilities, including GMD, Aegis BMD, Patriot PAC-3, and THAAD. The conferees expect the Department to reflect this policy in their fiscal year 2008 budget submission.

One-year extension of Comptroller General assessments of ballistic missile defense programs (sec. 224)

The Senate amendment contained a provision (sec. 233) that would extend until fiscal year 2008 the requirement for the Comptroller General to provide an assessment of the extent to which the Missile Defense Agency achieved the goals established for that fiscal year for each ballistic missile defense program of the Department of Defense.

The House bill contained no similar provision.

The House recedes.

Submission of plans for test and evaluation of the operational capability of the Ballistic Missile Defense System (sec. 225)

The Senate amendment contained a provision (sec. 234) that would require each plan approved by the Director of Operational Test and Evaluation to test and evaluate the operational capability of the ballistic missile defense system, as required by section 234(a) of the National Defense Authorization Act for Fiscal Year 2006 (Public Law 109-163; 10 U.S.C. 2431 note), to be submitted to the congressional defense committees within 30 days of such approval.

The House bill contained no similar provision.

The House recedes.

Annual reports on transition of ballistic missile defense programs to the military departments (sec. 226)

The Senate amendment contained a provision (sec. 235) that would require the Under Secretary of Defense for Acquisition, Technology, and Logistics to submit a report to the congressional defense committees, not later than March 1, 2007, and annually thereafter through 2013, on the plans of the Department of Defense for the transition of missile defense programs from the Missile Defense Agency to the military departments.

The House bill contained no similar provision.

The House recedes with an amendment that would include the requirement to report on any agreement on the operational test criteria that must be achieved before the transition of a missile defense program to the military departments.

Subtitle D—Other Matters

Policies and practices on test and evaluation to address emerging acquisition approaches (sec. 231)

The House bill contained a provision (sec. 231) that would require a review of test and evaluation policies and practices, and modify reporting requirements of the Director of Operational Test and Evaluation (DOTE) under section 2399(b)(2) of title 10, United States Code.

The Senate amendment contained a similar provision (sec. 253) that would require the Under Secretary of Defense for Acquisition, Technology, and Logistics (USD (AT&L)) and the DOTE to review and revise policies and practices on test and evaluation in light of emerging approaches to acquisition. The provision would also amend section 2399(b) of

title 10, United States Code, to address deficient testing information on rapid acquisition programs purchased prior to a decision to proceed to low rate initial production.

The House recedes with an amendment that would include elements of both provisions, and add a new section to clarify the responsibilities of the DOTE with respect to force protection equipment. The amendment would: (1) update reporting requirements of the DOTE to allow for submission of relevant information on operational capabilities of tested items; (2) require submission of testing information to Congress on major defense acquisition programs that do not move beyond low rate initial production, but that proceed to operational use or make use of procurement funds; (3) require a review, and revision if necessary, of policies and practices on test and evaluation; and (4) update the responsibilities of the DOTE under section 139 of title 10, United States Code, to include advice and consultation to the Secretary of Defense, USD (AT&L), and Secretaries of the military departments on operational test and evaluation and survivability testing of force protection equipment.

The conferees do not intend this section to modify existing authorities of the DOTE with respect to major defense acquisition programs, as defined in section 139(a)(2)(B) of title 10, United States Code, or operational test and evaluation in general. The conferees direct the Secretaries of the military departments to ensure that the DOTE is made aware of force protection equipment programs.

Extension of requirement for Global Research Watch Program (sec. 232)

The Senate amendment contained a provision (sec. 251) that would extend the requirement for the Global Research Watch program.

The House bill contained no similar provision.

The House recedes.

Sense of Congress on technology sharing of Joint Strike Fighter technology (sec. 233)

The Senate amendment contained a provision (sec. 256) that would express the sense of the Senate that the Secretary of Defense should allow Joint Strike Fighter technology to be shared between the governments of the United States and the United Kingdom.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Report on vehicle-based active protection systems for certain battlefield threats (sec. 234)

The Senate amendment contained a provision (sec. 358) that would require the Secretary of Defense to contract with an appropriate entity independent of the United States Government to conduct an assessment of various foreign and domestic technological approaches to vehicle-based active protective systems.

The House bill contained no similar provision.

The House recedes.

The conferees expect the Secretary of Defense to provide to the entity selected to perform the independent assessment the documentation and findings of all related studies of active protection systems conducted by the Department of Defense within the last 3 years or deemed relevant by the Secretary.

LEGISLATIVE PROVISIONS NOT ADOPTED

Amount for development and validation of warfighter rapid awareness processing technology

The Senate amendment contained a provision (sec. 203) that would authorize \$4.0 mil-

lion for Marine Corps development and validation of a rapid awareness processing technology.

The House bill contained no similar provision.

The Senate recedes.

The conference outcome is reflected in the tables of this report in Research, Development, Test, and Evaluation, Navy PE 62131M.

Alternate engine for Joint Strike Fighter

The House bill contained a provision (sec. 211) that would authorize \$408.0 million for the continued development of an alternate engine for the Joint Strike Fighter.

The Senate amendment contained no similar provision.

The House recedes.

The conference outcome is reflected in the tables of this report in Research, Development, Test, and Evaluation, Navy, line 133; and in Research, Development, Test, and Evaluation, Air Force, line 92.

Arrow ballistic missile defense

The Senate amendment contained a provision (sec. 215) that would make available \$65.0 million for coproduction of the Arrow ballistic missile defense system, and \$63.7 million for the Arrow System Improvement Program.

The House bill contained no similar provision.

The Senate recedes.

The conference outcome is reflected in the tables of this report in Research, Development, Test, and Evaluation, Defense-wide, PE 63881C, Ballistic Missile Defense Terminal Defense Segment.

Independent cost analyses for Joint Strike Fighter engine program

The House bill contained a provision (sec. 215) that would direct the Comptroller General and the Secretary of Defense, acting through the Cost Analysis Improvement Group of the Office of the Secretary of Defense, to independently perform comprehensive and detailed cost analyses of the Joint Strike Fighter (JSF) engine program.

The Senate amendment contained a similar provision (sec. 255) that would direct the Comptroller General, the Secretary of Defense, acting through the Cost Analysis Improvement Group of the Office of the Secretary of Defense, and a federally-funded research and development center, which would be selected by the Secretary of Defense, to independently perform comprehensive and detailed cost analyses of the JSF engine program.

The conference agreement does not include either provision.

Elsewhere in this report, the conferees agree to include the requirement for three independent cost analyses on the acquisition of, and independent cost analyses for, the JSF propulsion systems.

High energy laser low aspect target tracking

The Senate amendment contained a provision (sec. 216) that would authorize \$5.0 million to support instrumentation and test and evaluation activities of the high energy laser systems test facility.

The House bill contained no similar provision.

The Senate recedes.

The conference outcome is reflected in the tables of this report in Research, Development, Test, and Evaluation, Army PE 65605A.

Advanced Aluminum Aerostructures Initiative

The Senate amendment contained a provision (sec. 217) that would authorize \$2.0 million for the Advanced Aluminum Aerostructures Initiative.

The House bill contained no similar provision.

The Senate recesses.

The conference outcome is reflected in the tables of this report in Research, Development, Test, and Evaluation, Air Force PE 63211F.

Legged mobility robotic research

The Senate amendment contained a provision (sec. 218) that would authorize \$1.0 million for legged mobility robotic research.

The House bill contained no similar provision.

The Senate recesses.

The conference outcome is reflected in the tables of this report in Research, Development, Test, and Evaluation, Army PE 62601A.

Wideband digital airborne electronic sensing array

The Senate amendment contained a provision (sec. 219) that would authorize \$3.0 million for Air Force research on the wideband digital airborne electronic sensing array.

The House bill contained no similar provision.

The Senate recesses.

The conference outcome is reflected in the tables of this report in Research, Development, Test, and Evaluation, Air Force PE 62204F.

Science and technology

The Senate amendment contained a provision (sec. 220) that would authorize \$45.0 million for competitively awarded basic research programs.

The House bill contained no similar provision.

The Senate recesses.

The conference outcome is reflected in the tables of this report in Research, Development, Test, and Evaluation, Army PE 61103A, Navy PE 61103N, Air Force PE 61103F, Defense-wide PE 61101E, and Defense-wide PE 61120D8Z.

High Altitude Airship program

The House bill contained a provision (sec. 223) that would make \$5.0 million available for the High Altitude Airship program from amounts provided in section 201 for Research, Development, Test, and Evaluation, Air Force.

The Senate amendment contained no similar provision.

The House recesses.

The conference outcome is reflected in the tables of this report in Research, Development, Test, and Evaluation.

Testing and operations for missile defense

The Senate amendment contained a provision (sec. 236) that would make available an additional \$45.0 million for the Ballistic Missile Defense Midcourse Defense Segment (PE 63882C) to accelerate the ability to conduct concurrent test and missile defense operations and to increase the pace of realistic flight testing of the ground-based midcourse defense system.

The House bill contained no similar provision.

The Senate recesses.

The conference outcome is reflected in the tables of this report in Research, Development, Test, and Evaluation, Defense wide, PE 63882C.

Report on biometrics programs of the Department of Defense

The Senate amendment contained a provision (sec. 257) that would require the Secretary of Defense to submit a report on the management and adequacy of biometrics programs.

The House bill contained no similar provision.

The Senate recesses.

The conferees note the importance of an integrated biometrics program to meet Department of Defense needs in the areas of network security and access, facility security, intelligence and detainee operations, force protection, and homeland and border security.

The conferees direct the Secretary of Defense to submit to the Committees on Armed Services of the Senate and the House of Representatives a report in both classified and unclassified form on the biometrics programs of the Department. The report should be submitted no later than January 31, 2007, and should address the following:

(1) an assessment of the adequacy of the current executive agent management structure for meeting the needs of the biometrics programs throughout the Department and recommendations, if any, for improvements to the management structure;

(2) current and anticipated future requirements for the biometrics programs to meet needs throughout the Department;

(3) a description and assessment of adequacy of programs currently fielded to meet operational requirements, including those in Iraq and Afghanistan;

(4) an assessment of programmatic or capability gaps in meeting future requirements; and

(5) actions being taken within the Department to coordinate and integrate biometrics programs among the departments and agencies of the executive branch, including development, requirements generation, resource allocation, and operational use.

For the purposes of the required report, the conferees consider the term “biometrics” to mean an identity management program or system that utilizes distinct personal attributes, including DNA, facial features, irises, retinas, signatures, or voices, to identify individuals.

TITLE III—OPERATION AND MAINTENANCE

Operation and Maintenance overview

The budget request included \$130,089.0 million in Operation and Maintenance, \$23,445.6 million in Other Programs, and \$2,436.4 million in Working Capital Fund Accounts for the Department of Defense.

The House bill would authorize \$129,770.1 million in Operation and Maintenance, \$23,647.0 million in Other Programs, and \$2,503.2 million in Working Capital Fund Accounts.

The Senate amendment would authorize \$129,531.8 million in Operation and Maintenance, \$23,351.8 million in Other Programs, and \$2,436.4 million in Working Capital Fund Accounts.

The conferees agree to authorize \$129,018.1 million in Operation and Maintenance, \$23,847.1 million in Other Programs, and \$2,436.4 million in Working Capital Fund Accounts.

Unless noted explicitly in the statement of managers, all changes are made without prejudice.