TITLE IV

RESEARCH, DEVELOPMENT, TEST AND EVALUATION

Funds appropriated under this title provide the resources required to conduct a program of research, development, test and evaluation, including research in basic science, applied research, advanced technology development, demonstration and validation, engineering and manufacturing development, and operational systems development.

The President's fiscal year 2006 budget requests a total of $69,356,040,000 for research, development, test and evaluation appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends research, development, test and evaluation appropriations totaling $70,407,582,000 for fiscal year 2006. This is $1,051,542,000 above the budget estimate.

Committee recommended research, development, test and evaluation appropriations for fiscal year 2006 are summarized below:

SUMMARY OF RESEARCH, DEVELOPMENT, TEST AND EVALUATION APPROPRIATIONS

[In thousands of dollars]

Account	2006 budget estimate	Committee recommendation	Change from budget estimate
Research, Development, Test and Evaluation:			
Army	9,733,824	10,520,592	+786,768
Navy	18,037,991	18,557,904	+519,913
Air Force	22,612,351	21,859,010	−753,341
Defense-Wide	18,803,416	19,301,618	+498,202
Operational Test and Evaluation, Defense	168,458	168,458	.....
Total	69,356,040	70,407,582	+1,051,542

COMMITTEE RECOMMENDATIONS

The Committee has displayed recommended adjustments in tables presented under each appropriation account.

These adjustments reflect the following Committee actions: elimination of funds requested for programs which are lower priority, duplicative, or not supported by firm requirements in out year development or procurement appropriations; deletion of excess funds based on program delays or slow execution; addition of funds to reflect congressional priorities and to rectify shortfalls in the budget estimate; and implementation of recommendations in S. 1042, the National Defense Authorization Act for Fiscal Year 2006.

The Committee directs that the funding increases outlined in these tables shall be provided only for the specific purposes indicated in the table.

Joint Tactical Radio System [JTRS].—The Committee understands and supports the value that the JTRS radio system will add to the battlefield in support of military operations. However, the Army's Cluster 1 program faces significant technical challenges. These challenges could impact the program efforts in the Navy and Air Force. Further, the Committee notes that significant quantities of new, very capable radios are being procured by the Department of Defense to fight the Global War on Terror. Although the new radios do not offer the "router" type capabilities of the JTRS, they do provide superior communications in support of enhanced command and control and situational awareness than preceding capabilities. The procurement of these interim radios should help to relieve some of the pressure on the JTRS schedule. Further, the Committee supports the ongoing review of the Joint Tactical Radio programs by the Program Executive Office. The Committee encourages the Defense Department to thoroughly review the full program in light of the interim radios as well as challenges faced by the ongoing Service efforts to include architecture development, software and hardware development and waveform development. The Committee requests that a report of the Defense Department's assessment and a revised program plan be provided to the congressional defense committees not later than December 30, 2005. The Committee recommends the following reductions to the JTRS program and recommends the remaining funding support waveform development and other risk reduction priorities.

COMMITTEE RECOMMENDED ADJUSTMENTS

[In thousands of dollars]

	Amount
Fiscal year 2006 reductions:	
Research, Development, Test and Evaluation, Army	−178,000
Research, Development, Test and Evaluation, Navy	−33,300
Research, Development, Test and Evaluation, Air Force	−25,000
Total	−236,300
Fiscal year 2005 rescissions:	
Research, Development, Test and Evaluation, Army	−21,600
Other Procurement, Army	−68,500
Total	−90,100

Joint Strike Fighter [JSF].—The Committee commends the JSF program for their efforts to implement design changes needed to reduce aircraft weight and for working to restructure the program to accommodate changes in the aircraft's design. The Committee, however, is concerned that continuing program uncertainties make it difficult to estimate the resources needed for the program. For example, the program is still redesigning the three JSF variants and is examining the need for changes in the software development and flight test programs to make them more executable. Until the re-design efforts are complete, the Committee is not committed to significant increases in program funding for system development.

As a result, the Committee recommendation includes the following adjustments:

COMMITTEE RECOMMENDED ADJUSTMENTS

[In thousands of dollars]

	Amount
Fiscal year 2006 reductions:	
Research, Development, Test and Evaluation, Navy	−124,000
Research, Development, Test and Evaluation, Air Force	−146,000
Total	−270,000

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

Appropriations, 2005	$10,698,989,000
Budget estimate, 2006	9,733,824,000
House allowance	10,827,174,000
Committee recommendation	10,520,592,000

The Committee recommends an appropriation of $10,520,592,000. This is $786,768,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

	Item	2006 budget estimate	House allowance	Committee recommendation	Change from—	
					Budget estimate	House allowance
	RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY					
	BASIC RESEARCH					
1	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	20,542	23,542	20,542	.....	−3,000
2	DEFENSE RESEARCH SCIENCES	137,898	162,498	159,398	+21,500	−3,100
3	UNIVERSITY RESEARCH INITIATIVES	67,201	71,001	78,201	+11,000	+7,200
4	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	81,953	94,453	103,578	+21,625	+9,125
	TOTAL, BASIC RESEARCH	307,594	351,494	361,719	+54,125	+10,225
	APPLIED RESEARCH					
6	MATERIALS TECHNOLOGY	17,559	30,259	40,059	+22,500	+9,800
7	SENSORS AND ELECTRONIC SURVIVABILITY	32,147	48,147	48,647	+16,500	+500
8	TRACTOR HIP	7,804	7,804	7,804	.....	.....
9	AVIATION TECHNOLOGY	34,295	42,295	34,295	.....	−8,000
10	ELECTRONIC WARFARE TECHNOLOGY	19,129	27,629	29,129	+10,000	+1,500
11	MISSILE TECHNOLOGY	62,524	66,024	110,524	+48,000	+44,500
12	ADVANCED WEAPONS TECHNOLOGY	21,139	27,139	41,639	+20,500	+14,500
13	ADVANCED CONCEPTS AND SIMULATION	16,013	23,013	25,013	+9,000	+2,000
14	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY	64,883	102,583	78,383	+13,500	−24,200
15	BALLISTICS TECHNOLOGY	49,163	52,163	51,163	+2,000	−1,000
16	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY	2,519	13,019	12,519	+10,000	−500
17	JOINT SERVICE SMALL ARMS PROGRAM	5,703	6,703	5,703	.....	−1,000
18	WEAPONS AND MUNITIONS TECHNOLOGY	37,824	106,124	100,624	+62,800	−5,500
19	ELECTRONICS AND ELECTRONIC DEVICES	39,554	81,454	63,554	+24,000	−17,900
20	NIGHT VISION TECHNOLOGY	23,823	38,123	23,823	.....	−14,300
21	COUNTERMINE SYSTEMS	19,293	22,293	27,293	+8,000	+5,000
22	HUMAN FACTORS ENGINEERING TECHNOLOGY	17,482	31,482	21,482	+4,000	−10,000
23	ENVIRONMENTAL QUALITY TECHNOLOGY	16,417	16,417	27,417	+11,000	+11,000
24	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY	21,787	56,787	23,787	+2,000	−33,000
25	COMPUTER AND SOFTWARE TECHNOLOGY	3,590	3,590	4,890	+1,300	+1,300
26	MILITARY ENGINEERING TECHNOLOGY	47,046	51,346	49,046	+2,000	−2,300
27	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	15,207	15,207	19,207	+4,000	+4,000
28	WARFIGHTER TECHNOLOGY	21,707	36,407	45,907	+24,200	+9,500
29	MEDICAL TECHNOLOGY	74,694	280,844	163,894	+89,200	−116,950

[In thousands of dollars]

	Item	2006 budget estimate	House allowance	Committee recommendation	Change from—	
					Budget estimate	House allowance
	TOTAL, APPLIED RESEARCH	671,302	1,186,852	1,055,802	+384,500	−131,050
	ADVANCED TECHNOLOGY DEVELOPMENT					
30	WARFIGHTER ADVANCED TECHNOLOGY	63,754	79,454	72,754	+9,000	−6,700
31	MEDICAL ADVANCED TECHNOLOGY	45,160	318,710	132,510	+87,350	−186,200
32	AVIATION ADVANCED TECHNOLOGY	48,318	90,018	103,218	+54,900	+13,200
33	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY	74,927	103,427	89,927	+15,000	−13,500
34	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY	142,866	238,566	213,266	+70,400	−25,300
35	COMMAND, CONTROL, COMMUNICATIONS ADVANCED TECHNOLOGY	12,066	13,866	12,066	.....	−1,800
36	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	6,783	7,783	12,783	+6,000	+5,000
37	ELECTRONIC WARFARE ADVANCED TECHNOLOGY	45,322	63,322	55,322	+10,000	−8,000
38	TRACTOR HIKE	8,777	8,777	8,777	.....	.....
39	NEXT GENERATION TRAINING & SIMULATION SYSTEMS	19,982	22,682	28,982	+9,000	+6,300
40	TRACTOR ROSE	4,956	4,956	4,956	.....	.....
41	EXPLOSIVES DEMILITARIZATION TECHNOLOGY	9,865	13,465	24,445	+14,580	+10,980
42	MILITARY HIV RESEARCH	6,842	16,842	6,842	.....	−10,000
43	COMBATING TERRORISM, TECHNOLOGY DEVELOPMENT	6,306	11,306	10,306	+4,000	−1,000
44	GLOBAL SURVEILLANCE/AIR DEFENSE/PRECISION STRIKE TECHN	12,111	12,111	12,111	.....	.....
45	ELECTRONIC WARFARE TECHNOLOGY	16,801	25,801	14,801	−2,000	−11,000
46	MISSILE AND ROCKET ADVANCED TECHNOLOGY	70,066	92,066	109,566	+39,500	+17,500
47	TRACTOR CAGE	15,406	15,406	15,406	.....	.....
48	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY	25,327	25,327	32,227	+6,900	+6,900
49	JOINT SERVICE SMALL ARMS PROGRAM	6,581	6,581	8,581	+2,000	+2,000
51	NIGHT VISION ADVANCED TECHNOLOGY	51,761	110,561	69,761	+18,000	−40,800
52	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS	12,606	16,606	12,606	.....	−4,000
53	MILITARY ENGINEERING ADVANCED TECHNOLOGY	7,301	20,401	20,301	+13,000	−100
54	ADVANCED TACTICAL COMPUTER SCIENCE & SENSOR TECHNOLOGY	42,475	55,575	38,075	−4,400	−17,500
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	756,359	1,373,609	1,109,589	+353,230	−264,020
	DEMONSTRATION & VALIDATION					
55	UNIQUE ITEM IDENTIFICATION (UID)	1,500	1,500	1,500	.....	.....
56	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	14,573	80,223	54,323	+39,750	−25,900
57	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION (DEM/VAL)	9,284	10,784	58,584	+49,300	+47,800
58	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	83,063	99,763	100,063	+17,000	+300
59	LANDMINE WARFARE AND BARRIER—ADV DEV	.....	2,500	.....	.....	−2,500

60	SMOKE, OBSCURANT AND TARGET DEFEATING SYS—ADV DEV	5,733	5,733	5,733	.....	.....
61	TANK AND MEDIUM CALIBER AMMUNITION	.....	6,000	6,000	+6,000	.....
62	ADVANCED TANK ARMAMENT SYSTEM (ATAS)	26,712	26,712	26,712	.....	.....
63	SOLDIER SUPPORT AND SURVIVABILITY	3,393	3,393	3,393	.....	.....
64	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV	18,907	18,907	18,907	.....	.....
65	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	6,885	6,885	6,885	.....	.....
66	ENVIRONMENTAL QUALITY TECHNOLOGY	5,166	42,816	21,866	+16,700	−20,950
67	WARFIGHTER INFORMATION NETWORK—TACTICAL (DEM/VAL)	131,081	87,181	131,081	.....	+43,900
68	NATO RESEARCH AND DEVELOPMENT	4,902	4,902	4,902	.....	.....
69	AVIATION—ADV DEV	6,249	7,249	6,249	.....	−1,000
71	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV	13,375	13,375	13,375	.....	.....
72	COMBAT SERVICE SUPPORT CONTROL SYSTEM EVALUATION	10,659	10,659	10,659	.....	.....
73	MEDICAL SYSTEMS—ADV DEV	10,134	14,634	25,934	+15,800	+11,300
74	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT	10,595	12,595	10,595	.....	−2,000
75	INTEGRATED BROADCAST SERVICE (JMIP/DISTP)	2,762	2,762	2,762	.....	.....
	TOTAL, DEMONSTRATION & VALIDATION	364,973	458,573	509,523	+144,550	+50,950
	ENGINEERING & MANUFACTURING DEVELOPMENT					
78	AIRCRAFT AVIONICS	23,451	31,451	13,451	−10,000	−18,000
79	ARMED, DEPLOYABLE OH-58D	13,964	13,964	93,206	+79,242	+79,242
81	ELECTRONIC WARFARE DEVELOPMENT	32,179	34,179	32,179	.....	−2,000
82	JOINT TACTICAL RADIO	156,665	156,665	156,665	.....	.....
83	ALL SOURCE ANALYSIS SYSTEM	7,973	9,973	7,973	.....	−2,000
84	TRACTOR CAGE	16,099	16,099	16,099	.....	.....
85	COMMON MISSILE	.....	45,000	.....	.....	−45,000
86	INFANTRY SUPPORT WEAPONS	34,627	45,927	39,627	+5,000	−6,300
87	MEDIUM TACTICAL VEHICLES	1,886	14,486	1,886	.....	−12,600
90	FAMILY OF HEAVY TACTICAL VEHICLES	3,415	6,415	15,415	+12,000	+9,000
91	AIR TRAFFIC CONTROL	4,508	4,508	4,508	.....	.....
92	LIGHT TACTICAL WHEELED VEHICLES	.....	12,000	.....	.....	−12,000
93	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV	3,065,629	2,616,629	2,965,629	−100,000	+349,000
94	NON-LIGHT OF SIGHT LAUNCH SYSTEM	231,554	233,154	235,554	+4,000	+2,400
95	NON-LINE OF SIGHT CANNON	107,587	157,587	107,587	.....	−50,000
96	NIGHT VISION SYSTEMS—SDD	26,449	28,449	28,949	+2,500	+500
97	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	3,383	3,383	3,383	.....	.....
98	NON-SYSTEM TRAINING DEVICES—SDD	61,090	61,090	61,090	.....	.....
101	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—SDD	29,012	29,012	29,012	.....	.....
102	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	40,572	40,572	40,572	.....	.....
103	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	54	2,554	54	.....	−2,500
104	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENGINEER	22,057	23,457	32,057	+10,000	+8,600

[In thousands of dollars]

	Item	2006 budget estimate	House allowance	Committee recommendation	Change from—	
					Budget estimate	House allowance
109	COMBINED ARMS TACTICAL TRAINER (CATT) CORE	37,471	49,471	42,971	+5,500	−6,500
110	JOINT NETWORK MANAGEMENT SYSTEM	5,092	5,092	5,092		
111	AVIATION—SDD			2,000	+2,000	+2,000
112	WEAPONS AND MUNITIONS—SDD	87,034	110,534	87,034		−23,500
113	LOGISTICS AND ENGINEER EQUIPMENT—SDD	13,353	13,353	14,353	+1,000	+1,000
114	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—SDD	393,062	323,562	225,062	−168,000	−98,500
115	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT	5,627	18,127	10,627	+5,000	−7,500
116	LANDMINE WARFARE/BARRIER—SDD	80,560	75,560	80,560		+5,000
117	ARTILLERY MUNITIONS	113,368	115,368	113,368		−2,000
118	COMBAT IDENTIFICATION	2,973	2,973	7,973	+5,000	+5,000
119	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE	66,980	66,980	66,980		
121	RADAR DEVELOPMENT	5,080	5,080	5,080		
122	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS)	71,119	71,119	71,119		
123	FIREFINDER	46,061	46,061	46,061		
124	SOLDIER SYSTEMS—WARRIOR DEM/VAL	57,818	60,818	57,818		−3,000
125	ARTILLERY SYSTEMS	5,476	5,476	5,476		
127	PATRIOT/MEADS COMBINED AGGREGATE PROGRAM (CAP)	288,785	288,785	288,785		
128	INFORMATION TECHNOLOGY DEVELOPMENT	63,662	65,662	65,662	+2,000	
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	5,225,675	4,910,575	5,080,917	−144,758	+170,342
	RDT&E MANAGEMENT SUPPORT					
129	THREAT SIMULATOR DEVELOPMENT	23,796	28,196	25,796	+2,000	−2,400
130	TARGET SYSTEMS DEVELOPMENT	10,855	11,855	12,355	+1,500	+500
131	MAJOR T&E INVESTMENT	64,498	68,498	64,498		−4,000
132	RAND ARROYO CENTER	23,800	23,800	23,800		
133	ARMY KWAJALEIN ATOLL	154,535	155,535	154,535		−1,000
134	CONCEPTS EXPERIMENTATION PROGRAM	31,653	38,653	31,653		−7,000
136	ARMY TEST RANGES AND FACILITIES	369,943	369,943	369,943		
137	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	62,687	66,687	68,187	+5,500	+1,500
138	SURVIVABILITY/LETHALITY ANALYSIS	38,306	42,306	43,306	+5,000	+1,000
139	DOD HIGH ENERGY LASER TEST FACILITY	17,688	17,688	20,688	+3,000	+3,000
140	AIRCRAFT CERTIFICATION	2,748	2,748	2,748		
141	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES	8,829	8,829	8,829		
142	MATERIEL SYSTEMS ANALYSIS	15,517	15,517	15,517		
143	EXPLOITATION OF FOREIGN ITEMS	4,710	4,710	4,710		

144	SUPPORT OF OPERATIONAL TESTING	75,993	76,993	75,993	.....	−1,000
145	ARMY EVALUATION CENTER	57,305	57,305	57,305	.....	.....
146	SIMULATION & MODELING FOR ACQ, RQTS, & TNG (SMART)	9,437	5,437	9,437	.....	+4,000
147	PROGRAMWIDE ACTIVITIES	54,269	54,269	54,269	.....	.....
148	TECHNICAL INFORMATION ACTIVITIES	32,237	48,237	42,237	+10,000	−6,000
149	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	16,922	37,622	28,922	+12,000	−8,700
150	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	4,014	4,014	4,014	.....	.....
151	MANAGEMENT HEADQUARTERS (RESEARCH AND DEVELOPMENT)	12,908	12,908	12,908	.....	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	1,092,650	1,151,750	1,131,650	+39,000	−20,100
	OPERATIONAL SYSTEMS DEVELOPMENT					
152	MLRS PRODUCT IMPROVEMENT PROGRAM	114,297	114,297	116,297	+2,000	+2,000
153	WEAPONS CAPABILITY MODIFICATIONS UAV	.....	.....	9,000	+9,000	+9,000
154	JOINT LAND ATTACK CRUISE MISSILES DEFENSES (JLENS)	106,420	107,420	106,420	.....	−1,000
154A	HIGH ALTITUDE AIRSHIP	.....	.....	17,500	+17,500	+17,500
155	ADV FIELD ARTILLERY TACTICAL DATA SYSTEM	16,064	16,064	17,064	+1,000	+1,000
156	COMBAT VEHICLE IMPROVEMENT PROGRAMS	12,030	16,030	17,030	+5,000	+1,000
157	MANEUVER CONTROL SYSTEM	44,903	41,403	44,903	.....	+3,500
158	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS	409,103	416,603	287,103	−122,000	−129,500
159	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	2,066	2,066	2,066	.....	.....
160	DIGITIZATION	12,343	13,343	12,343	.....	−1,000
161	FORCE XXI BATTLE COMMAND, BRIGADE AND BELOW (FBCB2)	20,201	20,201	20,201	.....	.....
162	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	16,188	16,188	16,188	.....	.....
163	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS	23,560	23,560	18,681	−4,879	−4,879
165	TRACTOR CARD	6,797	6,797	6,797	.....	.....
166	JOINT TACTICAL COMMUNICATIONS PROGRAM (TRI-TAC)	24,906	24,906	24,906	.....	.....
167	JOINT TACTICAL GROUND SYSTEM	12,854	12,854	12,854	.....	.....
168	JOINT HIGH SPEED VESSEL (JHSV)	3,261	3,261	3,261	.....	.....
172	SECURITY AND INTELLIGENCE ACTIVITIES	2,992	13,492	4,992	+2,000	−8,500
173	INFORMATION SYSTEMS SECURITY PROGRAM	22,903	26,903	23,903	+1,000	−3,000
174	GLOBAL COMBAT SUPPORT SYSTEM	79,752	74,752	64,752	−15,000	−10,000
175	SATCOM GROUND ENVIRONMENT (SPACE)	58,659	58,659	58,659	.....	.....
176	WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM	13,647	13,647	13,647	.....	.....
177	JOINT COMMAND AND CONTROL PROGRAM (JC2)	1,696	1,696	1,696	.....	.....
179	TACTICAL UNMANNED AERIAL VEHICLES	139,610	142,610	156,610	+17,000	+14,000
180	AIRBORNE RECONNAISSANCE SYSTEMS	5,398	5,398	5,398	.....	.....
181	DISTRIBUTED COMMON GROUND SYSTEMS	91,587	98,837	91,587	.....	−7,250
182	AVIONICS COMPONENT IMPROVEMENT PROGRAM	994	994	994	.....	.....
183	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	68,505	96,805	112,005	+43,500	+15,200
184	NATO JOINT STARS	569	569	569	.....	.....

[In thousands of dollars]

	Item	2006 budget estimate	House allowance	Committee recommendation	Change from—	
					Budget estimate	House allowance
	TACTICAL WHEELED VEHICLE PRODUCT IMPROVEMENT	.....	20,000	.....	.....	−20,000
	SMALL BUSINESS INNOVATIVE RESEARCH	.....	1,000	.....	.....	−1,000
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	1,311,305	1,390,355	1,267,426	−43,879	−122,929
	CLASSIFIED PROGRAMS	3,966	3,966	3,966	.....	.....
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY	9,733,824	10,827,174	10,520,592	+786,768	−306,582

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
2	DEFENSE RESEARCH SCIENCES	137,898	159,398	+21,500
	Advanced Carbon Nanotechnology Program			+4,000
	Advanced Ground Vehicle Reliability Research			+1,000
	Brain Imaging and Deception Detection Research			+2,500
	Biological Raman and Optical Imaging Program			+1,000
	Desert Terrain Analysis for Enhancing Military Operations			+3,000
	Document Exploitation Technology Upgrade			+5,000
	Optical Technologies Research			+3,000
	Terrain Processes Research to Optimize Battlefield Operations			+2,000
3	UNIVERSITY RESEARCH INITIATIVES	67,201	78,201	+11,000
	Advanced Imaging Technology Research			+1,000
	Burn and Shock Trauma Research			+2,000
	High Resolution Analytical Transmission Electron Microscope			+1,000
	Integrated Systems in Sensing, Imaging and Communications Research			+2,000
	Low Temperature Vehicle Research			+2,000
	Nanotechnology and Health Research			+3,000
4	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	81,953	103,578	+21,625
	Advanced Coating Systems for Ground-based Military Vehicles			+1,625
	Advanced Sensors Research			+1,000
	Advanced Steel Casting Technology for Weapon Systems			+1,000
	Automotive Research			+2,000
	Ferroelectric Electronic—Photonic Nanodevices			+4,000
	Nanotubes Optimized for Lightweight Exceptional Strength Composite Materials			+4,000
	Next Generation Joining Technology Research			+2,000
	Real Time Classification Through Wall Sensor			+2,000
	Strategic Defense Systems Manufacturing Technology			+3,000
	Visualization for Training and Simulation in Urban Terrains			+1,000
6	MATERIALS TECHNOLOGY	17,559	40,059	+22,500
	Advanced Materials for Mine Detection and Blast Mitigation			+3,000
	Composite Materials Technology for Future Combat System			+3,000
	Future Affordable Multi-Utility Materials for Future Combat System			+4,000
	Lightweight Blast Containment Vessel Development			+2,000
	LRIP LASSO			+2,500
	MEMS Sensors for Rolling Element Bearings			+2,000
	Multifunctional Nanostructured Materials for Future Combat Systems			+4,000
	Spinel Tactical Armor Manufacturing Technology			+2,000
7	SENSORS AND ELECTRONIC SURVIVABILITY	32,147	48,647	+16,500
	Digital Radio Frequency Tags			+4,000
	Optical Combat Identification System (OCIDS)			+2,000
	Persistent Multi-Dimensional Surveillance In Non-Permissive Environments			+2,000
	Scalable High Efficiency Solid State Lasers			+3,000
	Small Airship Surveillance System			+3,000
	SmartCam3D Technology			+2,500
10	ELECTRONIC WARFARE TECHNOLOGY	19,129	29,129	+10,000
	Real-Time Laser Threat Warning Development			+4,000
	Silver Fox Unmanned Aerial Vehicle			+4,000
	Subterranean Target Identification			+2,000
11	MISSILE TECHNOLOGY	62,524	110,524	+48,000
	Enhanced Area Protection and Survivability (EAPS)			+5,000
	LENS X Hypervelocity Ground Testing			+5,000
	MARIAH II Hypersonic Wind Tunnel Development Program			+12,000
	Nanoscience Initiative for Next Generation Missiles			+3,000
	Near Hermetic Packaging and Interconnection Technology			+3,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
	Red Rain			+3,000
	Unique Waveform Based Missile Technologies for Horizontal Integration and IED Detection			+12,000
	Unmanned Systems Initiative at AMRDEC			+5,000
12	ADVANCED WEAPONS TECHNOLOGY	21,139	41,639	+20,500
	Army Missile and Space Technology Initiative			+18,000
	Solid-State High-Output Diode Arrays			+2,500
13	ADVANCED CONCEPTS AND SIMULATION	16,013	25,013	+9,000
	Surveillance and Targeting Robot Platform (Red Owl)			+9,000
14	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY	64,883	78,383	+13,500
	Advanced Electric Drive			+3,500
	Defense Transportation Energy Research			+3,000
	LUMES			+4,000
	Unmanned Vehicle Control Technologies			+3,000
15	BALLISTICS TECHNOLOGY	49,163	51,163	+2,000
	Gun Barrel Coatings			+2,000
16	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY	2,519	12,519	+10,000
	Battlefield Production of Modified Vaporous Hydrogen Peroxide for Field Decontamination			+5,000
	Development/Operation of Test Range for Advanced Sensors and Obscurants			+1,000
	Global Pathogen Portal			+4,000
18	WEAPONS AND MUNITIONS TECHNOLOGY	37,824	100,624	+62,800
	Active Coatings Technology			+3,500
	Advanced Materials and Nanotechnology for Ammunition			+3,000
	Advanced Technology Lightweight Armament System—Rarefaction Wave Gun			+4,000
	Army Center of Excellence in Acoustics			+6,300
	Electroconversion of Energetic Materials			+7,500
	Engineered Surfaces for Weapons Systems' Life Extension			+5,000
	Fatigue Odometer for Vehicle Components and Gun Barrels Project			+4,000
	Micro/Nano Systems Technology Research			+3,000
	Non-nuclear Earth Penetrator Operational Prototype			+7,000
	Polymer Cased 5.56mm Small Arms Ammunition			+1,000
	Precision Manufacturing Initiative			+4,000
	SLEUTH Tungsten Heavy Alloy Penetrator and Warhead Development			+4,500
	Titanium Extraction Mining and Process Engineering Research			+7,000
	Transition Laser Engineered Net Shaping Technology			+1,000
	Ultra Wide Band Sensors			+2,000
19	ELECTRONICS AND ELECTRONIC DEVICES	39,554	63,554	+24,000
	Bipolar Wafer-cell Lithium-ion Batteries			+1,000
	Future Soldier Hybrid Power Sources for the Battlefield			+1,000
	Lithium Carbide Monoflouride Military Battery Packs			+1,000
	Miniature Tactical Energy Systems Development			+3,000
	Novel Zinc Air Power Sources for Military Applications			+2,000
	PEM Fuel Cell Tactical Quiet Generators			+1,000
	Portable Solid Oxide Fuel Cell Demonstrator			+2,000
	Software Defined Radio Interoperability Initiative			+2,000
	State of Battery Life Indicator			+2,000
	Thin Cylindrical Iron Disulfide Primary Battery			+4,000
	Transcritical Carbon Dioxide (CO_2) Environmental Control Unit			+5,000
21	COUNTERMINE SYSTEMS	19,293	27,293	+8,000
	Biological Detection of Unexploded Ordnance and Land Mines			+4,000
	Explosives Detection and Mitigation—INL			+3,000
	Small Synthetic Aperture Radar (SAR) Buried Mine Detection			+1,000
22	HUMAN FACTORS ENGINEERING TECHNOLOGY	17,482	21,482	+4,000
	Team Performance and Optimization in Agent and Human-Agent Teams			+4,000
23	ENVIRONMENTAL QUALITY TECHNOLOGY	16,417	27,417	+11,000
	Advanced Bio-Based Binders			+1,000
	Chemical Materials and Environmental Modeling Project			+2,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
	Quantum Research Facility			+8,000
24	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY	21,787	23,787	+2,000
	Ultra Wideband Chip Set			+2,000
25	COMPUTER AND SOFTWARE TECHNOLOGY	3,590	4,890	+1,300
	Software Reliability and Security Improvements			+1,300
26	MILITARY ENGINEERING TECHNOLOGY	47,046	49,046	+2,000
	Geosciences Research			+2,000
27	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	15,207	19,207	+4,000
	Language Instruction for the Troops			+4,000
28	WARFIGHTER TECHNOLOGY	21,707	45,907	+24,200
	Advanced Warfighter Sustainment Systems for the 21st Century			+3,500
	Biosecurity Research for Soldier Food Safety			+3,700
	Development of Long-Shelf Life Fruits and Vegetables for Military Rations			+3,000
	Improved Self Sintered Silicon Carbide to Meet Body Armor Protection			+500
	Integrated, Unbreakable, Flexible Visible Infrared Lighting Surfaces for Shelters			+4,000
	Mosaic Flexible Armor			+1,000
	NBC Integrated Protection Membrane Shelters			+5,000
	Toxin Guard Research			+1,000
	Ultra Lightweight Flexible Photovoltaics for the Individual Warrior			+2,500
29	MEDICAL TECHNOLOGY	74,694	163,894	+89,200
	Adult Stem Cells for Wound Healing and Immune Reconstruction			+4,000
	Automated Medical Emergency Intravascular Access			+3,000
	Bio-Foam Bleeding Sealant for Battlefield Trauma			+2,600
	Biomedical Sciences and Technology			+2,500
	Colorimetric PDA–Based Sensor for Rapid Pathogen Detection			+7,000
	Combat Casualty Care—Battlefield Wounds			+4,000
	Computational Proteomics			+1,000
	Control of Inflammation and Tissue Repair			+5,000
	Hibernation Genomics (UAF)			+3,000
	HSDI			+7,000
	Integrative Healing Practices for Veterans (VET–HEAL)			+3,500
	Medical Image Database Holographic Archiving Library System			+2,000
	Military Biomaterials Research			+4,000
	Military Complimentary and Alternative Medicine Research			+6,000
	National Eye Evaluation and Research Network			+3,500
	Plasma Discharge Medical Device Sterilization Technology			+2,500
	Platelet Gels for Treatment of Traumatic Injuries			+3,000
	Post-Traumatic Stress Disorder Research			+1,000
	Prevention of Compartment Syndrome			+2,000
	TEDCO–MRASC Applied Research Demonstration Project			+1,000
	Telemedicine and Surgical Innovation Research			+2,000
	Ultra-High-Speed MEMS Electromagnetic Cell Sorter			+5,800
	Vaccine Research in Biodefense and Emerging Infections			+1,000
	Vaccines and Therapeutics to Counter Biological Threats			+4,000
	Vascular Graft Development on Elastin Biomatrices			+4,800
	Vigilance Surgical Safety System			+4,000
30	WARFIGHTER ADVANCED TECHNOLOGY	63,754	72,754	+9,000
	Ration Packaging Materials and Systems for Meals-Ready-to-Eat			+2,000
	Self-Decontaminating Selectively Permeable Membranes for Chem-Bio Protection			+2,000
	Small Business Development and Transition			+2,000
	Technology and Human Systems Integration Program			+3,000
31	MEDICAL ADVANCED TECHNOLOGY	45,160	132,510	+87,350
	Autonomous Non-Invasive Alcohol Testing			+1,000
	Bio-Surveillance in a Highly Mobile Population			+1,500

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
	Brain, Biology and Machine Research			+2,000
	Center for Minimally Invasive Technology			+7,500
	Fibrogen Bandages for Battlefield Wounds			+5,000
	Human Operator Performance Research			+3,000
	Intravenous Membrane Oxygenator			+1,000
	Medical Modeling and Simulation through Synthetic Genes			+1,750
	Metroplex Comprehensive Imaging Center			+10,000
	Military Low Vision Research Program			+4,000
	Military Nutrition Research: Personnel Readiness and Warfighter Performance			+2,000
	Minimally Invasive Surgery Modeling and Simulation			+1,500
	National Bioterrorism Civilian Medical Response (CIMERC)			+2,000
	National Tissue Engineering Center			+3,500
	Online Medical Training for Military Personnel			+3,000
	Pharmacological Countermeasures to Ionizing Radiation			+2,500
	Plasma Sterilizer			+3,000
	PolyHeme Blood Substitute			+5,000
	Portable Ultra Sound Finger Probe			+4,000
	Pseudofolliculitis Barbae Skin Therapy System			+1,000
	Rugged Textile Electronic Garments			+2,200
	Rural Electronic Medical Record (EMR)/Teleradiology System			+2,000
	SEA-Med Oral Health Program			+500
	Smart Prosthetic Devices Technology			+1,000
	Soldier Mounted Eye Tracking and Control Systems			+3,500
	Soldier Treatment and Regeneration Consortium			+2,000
	Technologies for Metabolic Monitoring/Julia Weaver Fund Initiative			+1,000
	Tripler Army Medical Center eICU Remote Critical Care			+1,000
	Untethered Healthcare Program			+2,000
	Vascular Graft Development on Elastin Biomatrices			+3,000
	Walter Reed Army Medical Center Wireless Network			+1,400
	Weight Measurements and Standards for Military Personnel			+3,500
32	AVIATION ADVANCED TECHNOLOGY	48,318	103,218	+54,900
	Excalibur Unmanned Combat Aerial Vehicle			+7,900
	Fuel Cell for Mobile Robotics System Project			+5,000
	Improved VAROC/Unmanned Aerial Vehicle Compression System Development			+7,000
	Integrated Oil Debris and Condition Sensor for Condition-Based Maintenance			+3,000
	Mission Execution Technology Implementation			+3,000
	Process Technologies for Replacement Part Production			+2,000
	Reconfigurable Tooling Systems			+2,000
	Universal Control—Full Authority Digital Engine Control			+4,000
	Unmanned Aerial Vehicle—Resupply			+7,500
	Vertical Takeoff and Landing Unmanned Aerial Vehicle			+4,500
	VTDP Compound Helicopter Technology Flight Demonstration			+5,000
	Wiring Traceout for Joint Aviation Technical Data Integration			+4,000
33	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY	74,927	89,927	+15,000
	Armament and RangeSafe Technology Initiatives			+4,000
	Manufacturing of Precision Optics			+4,000
	Miniaturized RAMAN Chemical Identification System			+4,000
	Nanotechnology Manufacturing Research			+3,000
34	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY	142,866	213,266	+70,400
	Advanced Thermal Management Controls			+4,000
	Alcoa Collaborative Development Approach for Non-line of Sight Cannon and Mortar			+2,000
	Armored Composite Cab Development Program			+4,000
	Center for Military Vehicle Technologies			+11,800
	Composite Body Parts—Composite Armored Vehicle Technology Transition			+4,000
	Composite Shelters for the Future Tactical Truck and Retrofit of Current Vehicle Shelters			+3,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
	Digital Humans and Virtual Reality Technologies for Future Combat System			+2,000
	Fastening and Joining Technology			+2,000
	Full Spectrum Active Protection Close-In Layered Shield (FCLAS)			+5,000
	Future Lightweight Military Trailer Chassis			+5,000
	Hydraulic Hybrid Vehicle Technology			+5,000
	International Commercially Based Logistical Support Trucks for U.S. Army Evaluation			+7,500
	Next Generation Non-Tactical Vehicle Propulsion			+2,000
	N–STEP Enabled Manufacturing Cell for Future Combat System			+3,600
	Pacific Rim Environmental Degradation of Materials Research Program at UH			+2,000
	Personal Mobility Vehicle			+3,000
	Rocket Propelled Grenade Vehicle Protection System			+1,500
	Solid Oxide Fuel Cell Materials and Manufacturing			+3,000
36	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	6,783	12,783	+6,000
	Battle Command Team Training Program			+3,000
	Modeling and Simulation Technologies for Homeland Defense/Security Training			+3,000
37	ELECTRONIC WARFARE ADVANCED TECHNOLOGY	45,322	55,322	+10,000
	Applied Communications and Information Networking			+6,500
	Portable and Mobile Emergency Broadband Systems			+2,500
	TACOM Software Tools Supporting Structural Assessment of Wheeled Vehicles			+1,000
39	NEXT GENERATION TRAINING & SIMULATION SYSTEMS	19,982	28,982	+9,000
	CAVE Automatic Virtual Environment—Desert Research Institute			+4,000
	Institute for Creative Technologies Joint Fires and Effects Trainer System			+5,000
41	EXPLOSIVES DEMILITARIZATION TECHNOLOGY	9,865	24,445	+14,580
	Explosive Demilitarization Technology			+980
	HMX Requalification Program			+2,000
	NAVAIR Systems Command Data Conversion Effort			+1,500
	Sierra Army Depot Cryofracture/Plasma Arc Demilitarization Program			+2,500
	Western Area Demilitarization Facility—Hawthorne Army Depot			+7,600
43	COMBATING TERRORISM TECHNOLOGY DEVELOPMENT	6,306	10,306	+4,000
	Advanced Mobile Microgrid Liquid Fueler			+4,000
45	ELECTRONIC WARFARE TECHNOLOGY	16,801	14,801	−2,000
	Program Growth			−4,000
	GeoFence Pipeline Monitoring and Safety Project			+2,000
46	MISSILE AND ROCKET ADVANCED TECHNOLOGY	70,066	109,566	+39,500
	Applied Counterspace Technology Testbed			+24,000
	Missile Simulation Technology Rapid Assessment and Deployment of Systems Initiative			+10,000
	Warfighter Protection and Homeland Security Lab			+5,500
48	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY	25,327	32,227	+6,900
	Advanced Demining Technology			+5,900
	Electromagnetic Detection and Imaging Transceiver (EDIT) Landmine Detector			+1,000
49	JOINT SERVICE SMALL ARMS PROGRAM	6,581	8,581	+2,000
	Lightweight Machine Gun and Ammunition			+2,000
51	NIGHT VISION ADVANCED TECHNOLOGY	51,761	69,761	+18,000
	Cost Effective Targeting System			+4,000
	Electron Bombarded Active Pixel Sensor Camera			+4,000
	Enhanced Digital Electronic Night-Vision for Unmanned Ground Vehicles			+4,000
	Night Vision Fusion			+1,000
	Real-Time Geospatial Video Sensor Intelligence for NVESD			+1,000
	Warfighter Position, Location and Tracking Sensor			+4,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
53	MILITARY ENGINEERING ADVANCED TECHNOLOGY	7,301	20,301	+13,000
	Advanced Structures and Composites in Construction for Protective Structures			+3,000
	Battlefield Production of Hydrogen for Fuel Cell Vehicles			+2,000
	Fireproofing/Corrosion Resistant Coating System			+1,500
	Fuel Cell Hybrid Generating System—Ramgen Technology			+4,000
	Real-time Drinking Water Security Program			+1,000
	Reforming Technologies for Renewable and Flexible Fuel Sources			+1,500
54	ADVANCED TACTICAL COMPUTER SCIENCE AND SENSOR TECHNOLOGY	42,475	38,075	−4,400
	Program Growth			−7,000
	Hyperspectral Imaging and Synthetic Aperature Radar for UAVs			+1,000
	MVMNT Program for Simulation Based Operations			+600
	X-Band Interferometric Radar Development			+1,000
56	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION (NON-SPACE)	14,573	54,323	+39,750
	Army Missile Defense—Advanced Electronics Rosebud Integration			+3,000
	Army Missile Defense Integration of Thermo-Acoustic Piezo Energy Conversion			+1,000
	Carbon Foam Program—Missile Defense			+7,250
	Global Infrasound Monitoring			+3,000
	Integrated Composite Missile Structures			+2,500
	Low Cost Avionics			+2,000
	Next Generation Passive Sensors			+3,000
	Radar-on-a-Chip (RAD–CHIP) Research Program			+1,000
	Standoff Hazardous Agent Detection and Evaluation System (SHADES)			+4,000
	Standoff Sensor for Radionuclide Identification (SSRID)			+8,000
	Transfer Missile Power System—Onboard Vehicle Power			+4,000
	Vertical Integration for Missile Defense Surveillance Data			+1,000
57	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION (SPACE)	9,284	58,584	+49,300
	Allen Army Airfield Upgrades			+16,000
	Low Cost Interceptor			+15,000
	Near Space Long Loiter Sensor and Communications Platform			+18,300
58	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	83,063	100,063	+17,000
	Army Extended Range Attack Missile			+8,000
	ASMD System of Systems Hardware in the Loop Test Bed			+4,000
	Single Integrated Space Picture			+5,000
61	TANK AND MEDIUM CALIBER AMMUNITION		6,000	+6,000
	Mid Range Munition—TM3—Dual Mode Seeker			+6,000
66	ENVIRONMENTAL QUALITY TECHNOLOGY DEM/VAL	5,166	21,866	+16,700
	Casting Emissions Reduction Program			+6,200
	Environmental Management System Pilot			+3,000
	Environmental Security Initiative			+1,000
	Magna Water District—Perchlorate and Arsenic Treatment			+2,500
	Rapid Response Bio-Chem Decon, Liquid and Dry (Decon Green)			+1,000
	Wellhead Treatment of Perchlorate Contaminated Wells			+3,000
73	MEDICAL SYSTEMS—ADV DEV	10,134	25,934	+15,800
	Combat Support Hospital—Mobile Surgical Unit			+8,300
	Future Medical Shelter System—21st Century Military Hospital System			+7,500
78	AIRCRAFT AVIONICS	23,451	13,451	−10,000
	JTRS Program Delay and Restructure			−10,000
79	ARMED, DEPLOYABLE OH–58D	13,964	93,206	+79,242
	Army Requested Transfer from APA, Line 3			+70,000
	Army Requested Transfer from APA, Line 30			+9,242
86	INFANTRY SUPPORT WEAPONS	34,627	39,627	+5,000
	XM25 Advanced Airburst Weapon System			+5,000
90	FAMILY OF HEAVY TACTICAL VEHICLES	3,415	15,415	+12,000
	Advanced Drivetrains for Enhanced Mobility and Safety			+2,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
	Future Tactical Truck System			+10,000
93	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV	3,065,629	2,965,629	−100,000
	Program Overhead/Excess Management Reserve			−100,000
94	NON LINE OF SIGHT LAUNCH SYSTEMS	231,554	235,554	+4,000
	EnforcIT Anti-Tamper Software			+4,000
96	NIGHT VISION SYSTEMS—SDD	26,449	28,949	+2,500
	Small Arms and Light Weapons, Soldier Mounted Detection and Location System			+2,500
104	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—SDD	22,057	32,057	+10,000
	Army Space Modeling and Simulation			+10,000
109	COMBINED ARMS TACTICAL TRAINER (CATT) CORE	37,471	42,971	+5,500
	Aviation Combined Arms Tactical Trainer			+2,500
	Gunner-Crew Chief Station Trainer			+3,000
111	AVIATION—SDD		2,000	+2,000
	Aviation System Integration Facility and Rapid Equipment Fielding Office			+2,000
113	LOGISTICS AND ENGINEER EQUIPMENT—SDD	13,353	14,353	+1,000
	Advanced Medium Mobile Power Systems			+1,000
114	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—SDD	393,062	225,062	−168,000
	JTRS Cluster 1 Program Delay and Restructure			−120,000
	JTRS Cluster 5 Program Delay and Restructure			−48,000
115	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT—SDD	5,627	10,627	+5,000
	Cartledge Infuser for Battlefield Trauma			+1,000
	Chitosan Bandage Component			+4,000
118	COMBAT IDENTIFICATION	2,973	7,973	+5,000
	Command Post Platform			+5,000
128	INFORMATION TECHNOLOGY DEVELOPMENT	63,662	65,662	+2,000
	Army Enterprise Human Resource System (eHRS)			+2,000
129	THREAT SIMULATOR DEVELOPMENT	23,796	25,796	+2,000
	Distributed RF/SAM Threat Systems			+1,000
	Web Assured Response Protocol			+1,000
130	TARGET SYSTEMS DEVELOPMENT	10,855	12,355	+1,500
	Next Generation Ice Protection System for Unmanned Aerial Vehicles			+1,500
137	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	62,687	68,187	+5,500
	Aberdeen Technology Transfer Initiative			+1,500
	Accelerator-Based Neutron Production Study			+1,000
	White Sands Missile Range Film Elimination			+3,000
138	SURVIVABILITY/LETHALITY ANALYSIS	38,306	43,306	+5,000
	Rotorcraft Survivability Assessment Facility			+5,000
139	DOD HIGH ENERGY LASER TEST FACILITY	17,688	20,688	+3,000
	High Energy Laser Test Facility Upgrade			+3,000
148	TECHNICAL INFORMATION ACTIVITIES	32,237	42,237	+10,000
	Army High Performance Computing Research Center			+8,000
	Knowledge System and Relational Database			+2,000
149	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	16,922	28,922	+12,000
	Advanced Cluster Energetics (ACE)			+3,000
	Aluminum Matrix Composite Technology Partnership—Munitions			+3,000
	Medium Caliber Metal Parts Upgrade			+2,000
	MEMS Technology Applications (Nano Consortium)			+3,000
	Small and Medium Caliber Armor Piercing Ammunition Improvements			+1,000
152	MLRS PRODUCT IMPROVEMENT PROGRAM	114,297	116,297	+2,000
	HIMARS Command and Control			+2,000
153	WEAPONS CAPABILITY MODIFICATIONS UAV		9,000	+9,000
	Alternate Payload Munition (AP–BLU)			+4,000
	Guided Dispenser System for Unmanned Aerial Vehicles			+5,000
154a	HIGH ALTITUDE AIRSHIP		17,500	+17,500
	Transfer from RDDW, Line 29			+10,000
	Conformal Embedded Rectennas for High Altitude Airships			+5,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
	Hydrogen-Oxygen PEM Regenerative Fuel Cell for High Altitude Airships			+2,500
155	ADV FIELD ARTILLERY TACTICAL DATA SYSTEM	16,064	17,064	+1,000
	Gun Display Unit-Replacement, Block II			+1,000
156	COMBAT VEHICLE IMPROVEMENT PROGRAMS	12,030	17,030	+5,000
	Abrams M1A1 Vehicle Prognostics Development			+5,000
158	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS	409,103	287,103	−122,000
	ACS Program Delay			−130,000
	Helicopter Autonomous Landing System (HALS) for Blackhawks			+8,000
163	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS	23,560	18,681	−4,879
	APKWS Simulator Upgrade			−4,879
172	SECURITY AND INTELLIGENCE ACTIVITIES	2,992	4,992	+2,000
	Portable Iris Enrollment and Recognition (PIER) Device			+2,000
173	INFORMATION SYSTEMS SECURITY PROGRAM	22,903	23,903	+1,000
	Retinal/Iris Multimodal Biometrics Technology for Secure Identification			+1,000
174	GLOBAL COMBAT SUPPORT SYSTEM	79,752	64,752	−15,000
	Funding Ahead of Need			−15,000
179	TACTICAL UNMANNED AERIAL VEHICLES (JMIP)	139,610	156,610	+17,000
	Small Platform Modern Signal Communications Intelligence (COMINT)			+7,000
	Tactical Hyperspectral Imaging System for the Shadow UAV			+4,000
	Tactical Unmanned Aerial Vehicle Testing and Engineering Support			+3,000
	UAV to Soldier Real Time Video Link			+3,000
183	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	68,505	112,005	+43,500
	Advanced Modeling Technology for Titanium Machining Initiative			+4,500
	Electrodeposited Coatings Systems for Munitions			+4,000
	Laser Engineered Net Shaping (LENS) Manufacturing Qualification			+3,000
	Laser Peening for Army Helicopters			+3,000
	Lean Munitions			+4,500
	Legacy Aerospace Gear Drive Re-engineering Initiative			+4,000
	Low Cost Domestic Titanium Reduction to Powder Initiative			+4,000
	Manufacturing Metrology for Weapon System Production and Sustainment			+1,000
	Manufacturing Systems Demonstration			+4,000
	Materials Joining for Army Weapons Systems			+3,000
	Packaging and Interconnection Technology			+3,000
	Super-pulse Laser Processing Technology			+3,500
	Virtual Parts Engineering Research			+2,000

Optical Combat Identification System [OCIDS].—Last year, Congress provided the Army an additional $5,000,000 to support a laser-based concept holding great promise for countering the continuing problem of fratricide. The fiscal year 2005 funding will support a demonstration of the capability in an Advanced Concept Technology Demonstration [ACTD]. The laser-based OCIDS meets or exceeds the current combat identification system performance specifications and provides for interoperability between vehicles, aircraft, and dismounted soldiers. The Committee remains highly interested in rapidly demonstrating and producing a system to counter the killing or injury of friendly forces that continues to plague American and coalition forces and recommends an additional $2,000,000 for this program. Given the urgency of equipping soldiers and Marines in the field with an affordable interoperable system on an expedited basis, the Secretaries of the Army and the

Navy are directed to monitor the scheduled ACTD and to report the results to the congressional defense committees no later than December 15, 2005. The report shall include plans for future OCIDS funding with consideration of requesting funds in the next supplemental budget request prepared for submission to Congress.

Transportable Controlled Detonation Chamber for Destruction of Chemical Agents and Weapons.—To the extent the Department of Army decides to accelerate the final certification of the transportable Controlled Detonation Chamber technology, the Committee urges the Deputy Assistant Secretary of the Army for Environment, Safety and Occupational Health to perform a portion of the final development and operation testing for this technology at Camp Sibert in Alabama. This technology has unique capabilities for supplementing existing destruction technologies at sites where buried chemical weapons are found.

Telemedicine and Surgical Innovation Research.—Robotic telesurgery has been recognized as a technology that holds great promise to improve access to and quality of medical care delivered to the warfighter. The Committee, therefore, includes $2,000,000 to initiate advanced telesurgery research for improved medical simulation and training for military personnel.

Future Combat System [FCS].—The fiscal year 2006 budget submission for the Army's FCS program totals $3,404,770,000. The submission includes $3,065,629,000 for Armored System Modernization, $231,554,000 for the Non-Line of Sight Launch System and $107,587,000 for the Non-Line of Sight Cannon. The FCS program is the largest acquisition program in Army history and is designed to provide a new generation of 18 manned and unmanned ground vehicles, sensors, and munitions linked by an advanced information network.

The Committee remains very supportive of the FCS program and commends the Department of the Army in its effort to restructure the business aspects of the FCS program. The restructuring includes enhancing government oversight by transitioning the contract from an Other Transaction Agreement [OTA] to a Federal Acquisition Regulation-based contract and revising the contract fee structure. The Committee believes the increased scrutiny and accountability achieved by this restructuring are vital to continued success of a program of this size and complexity.

The Committee, however, is concerned with the amount of program overhead and management reserve included in the FCS budget. Of note, the budget request includes over $100,000,000 for the purpose of program withholds and "other" taxes contrary to normal budget practices, including funds in anticipation of congressional reductions. As a result, the Committee recommends a total of $3,304,770,000 for the FCS program in fiscal year 2005, a reduction of $100,000,000 from the requested amount.

Consistent with prior fiscal years, the Committee directs that each project within the Armored Systems Modernization line be designated as a special interest item subject to prior approval reprogramming procedures.

Landmine Alternatives.—The Committee supports the non-self-destruct landmine alternative and the Intelligent Munitions System. The intent in initiating these programs was to develop tech-

nologies to replace anti-personnel landmines that cannot distinguish between an innocent civilian and an enemy combatant. For this reason, the Committee believes it is essential that these systems be designed to utilize a man-in-the-loop, discriminating capability. The Committee, however, is extremely concerned about a proposed optional feature that could enable such systems to be activated indiscriminately by the victim. The Committee, therefore, directs the Secretary of the Army to conduct a review of the potential indiscriminate effects of such a feature, and to submit a report to the congressional defense committees detailing the findings of this review prior to any full rate production decision for these systems. The report shall also detail plans for carrying out these programs.

Remote Weapons Station—Protector [RWS–P].—The Committee is aware of the success of the RWS–P as part of the Army Stryker Program. RWS–P has been battle proven in Iraq and has consistently exceeded reliability requirements. The Army and Special Operations Command [SOCOM] are pursuing the inclusion of the RWS–P system on other ground mounted vehicles such as the HMMWV. The Committee supports this initiative and encourages the accelerated fielding of the RWS–P in order to provide this capability to the operating forces.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY

Appropriations, 2005	$17,043,812,000
Budget estimate, 2006	18,037,991,000
House allowance	18,481,862,000
Committee recommendation	18,557,904,000

The Committee recommends an appropriation of $18,557,904,000. This is $519,913,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

	Item	2006 budget estimate	House allowance	Committee recommendation	Change from—	
					Budget estimate	House allowance
	RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY					
	BASIC RESEARCH					
1	UNIVERSITY RESEARCH INITIATIVES	75,910	92,410	79,410	+3,500	−13,000
2	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	15,500	15,500	18,500	+3,000	+3,000
3	DEFENSE RESEARCH SCIENCES	356,885	372,785	372,385	+15,500	−400
	TOTAL, BASIC RESEARCH	448,295	480,695	470,295	+22,000	−10,400
	APPLIED RESEARCH					
4	POWER PROJECTION APPLIED RESEARCH	94,148	114,098	123,648	+29,500	+9,550
5	FORCE PROTECTION APPLIED RESEARCH	101,650	125,150	141,650	+40,000	+16,500
6	MARINE CORPS LANDING FORCE TECHNOLOGY	37,590	37,590	39,090	+1,500	+1,500
8	MATERIALS, ELECTRONICS AND COMPUTER TECHNOLOGY	.....	.....	2,500	+2,500	+2,500
9	COMMON PICTURE APPLIED RESEARCH	57,693	70,393	112,193	+54,500	+41,800
10	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	82,856	107,500	101,856	+19,000	−5,644
11	RF SYSTEMS APPLIED RESEARCH	47,302	59,002	60,802	+13,500	+1,800
12	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	49,793	64,393	52,293	+2,500	−12,100
13	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH	6,000	10,000	6,000	.....	−4,000
14	UNDERSEA WARFARE APPLIED RESEARCH	71,362	78,362	83,162	+11,800	+4,800
15	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	49,520	49,520	50,520	+1,000	+1,000
	TOTAL, APPLIED RESEARCH	597,914	716,008	773,714	+175,800	+57,706
	ADVANCED TECHNOLOGY DEVELOPMENT					
16	POWER PROJECTION ADVANCED TECHNOLOGY	82,538	112,638	135,538	+53,000	+22,900
17	FORCE PROTECTION ADVANCED TECHNOLOGY	71,488	157,388	125,988	+54,500	−31,400
18	COMMON PICTURE ADVANCED TECHNOLOGY	60,589	71,389	67,989	+7,400	−3,400
19	WARFIGHTER SUSTAINMENT ADVANCED TECHNOLOGY	68,540	95,495	87,040	+18,500	−8,455
20	RF SYSTEMS ADVANCED TECHNOLOGY	75,070	95,070	90,070	+15,000	−5,000
21	MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	56,434	82,134	80,634	+24,200	−1,500
22	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT	2,394	2,394	2,394	.....	.....
24	NAVY TECHNICAL INFORMATION PRESENTATION SYSTEM	187,943	189,443	175,943	−12,000	−13,500
25	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	16,068	60,768	29,568	+13,500	−31,200
26	UNDERSEA WARFARE ADVANCED TECHNOLOGY	27,603	30,103	30,603	+3,000	+500
28	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS	49,288	49,288	49,288	.....	.....

[In thousands of dollars]

	Item	2006 budget estimate	House allowance	Committee recommendation	Change from—	
					Budget estimate	House allowance
29	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY	31,897	35,097	33,897	+2,000	−1,200
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	729,852	981,207	908,952	+179,100	−72,255
	DEMONSTRATION & VALIDATION					
30	AIR/OCEAN TACTICAL APPLICATIONS	27,094	29,594	30,594	+3,500	+1,000
31	AVIATION SURVIVABILITY	6,255	41,455	27,605	+21,350	−13,850
32	DEPLOYABLE JOINT COMMAND AND CONTROL	41,464	41,464	41,464	.....	.....
33	ASW SYSTEMS DEVELOPMENT	7,050	12,050	16,050	+9,000	+4,000
34	TACTICAL AIRBORNE RECONNAISSANCE	3,938	3,938	3,938	.....	.....
35	ADVANCED COMBAT SYSTEMS TECHNOLOGY	30,166	36,166	30,166	.....	−6,000
36	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	122,122	122,122	121,122	−1,000	−1,000
37	SURFACE SHIP TORPEDO DEFENSE	47,039	53,039	53,039	+6,000	.....
38	CARRIER SYSTEMS DEVELOPMENT	167,823	169,823	167,823	.....	−2,000
39	SHIPBOARD SYSTEM COMPONENT DEVELOPMENT	22,150	43,550	44,900	+22,750	+1,350
40	PILOT FISH	141,369	141,369	141,369	.....	.....
41	RETRACT LARCH	82,717	82,717	82,717	.....	.....
42	RETRACT JUNIPER	54,887	54,887	54,887	.....	.....
43	RADIOLOGICAL CONTROL	1,845	1,845	1,845	.....	.....
44	SURFACE ASW	17,343	23,343	21,843	+4,500	−1,500
45	SSGN CONVERSION	24,020	28,520	24,020	.....	−4,500
46	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	162,953	182,953	162,953	.....	−20,000
47	SUBMARINE TACTICAL WARFARE SYSTEMS	7,125	7,125	7,125	.....	.....
48	SHIP CONCEPT ADVANCED DESIGN	11,899	15,899	20,899	+9,000	+5,000
49	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	27,021	27,021	27,021	.....	.....
50	ADVANCED NUCLEAR POWER SYSTEMS	168,373	168,373	168,373	.....	.....
51	ADVANCED SURFACE MACHINERY SYSTEMS	.....	6,000	.....	.....	−6,000
52	CHALK EAGLE	116,230	116,230	116,230	.....	.....
53	LITTORAL COMBAT SHIP (LCS)	576,454	581,954	581,454	+5,000	−500
54	COMBAT SYSTEM INTEGRATION	76,975	82,975	91,975	+15,000	+9,000
55	CONVENTIONAL MUNITIONS	36,940	36,940	36,940	.....	.....
56	MARINE CORPS ASSAULT VEHICLES	253,675	253,675	253,675	.....	.....
57	MARINE CORPS MINE/COUNTERMEASURES SYSTEMS—ADV DEV	3,265	3,265	3,265	.....	.....
58	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	500	3,000	15,500	+15,000	+12,500
59	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	34,418	23,218	34,418	.....	+11,200
60	COOPERATIVE ENGAGEMENT	88,135	103,135	88,135	.....	−15,000

61	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	24,620	24,620	24,620	.....	.....
62	ENVIRONMENTAL PROTECTION	21,977	24,977	27,377	+5,400	+2,400
63	NAVY ENERGY PROGRAM	1,595	3,595	13,095	+11,500	+9,500
64	FACILITIES IMPROVEMENT	4,158	6,158	5,658	+1,500	−500
65	CHALK CORAL	52,769	52,769	52,769	.....	.....
66	NAVY LOGISTIC PRODUCTIVITY	8,909	24,009	10,909	+2,000	−13,100
67	RETRACT MAPLE	308,708	308,708	308,708	.....	.....
68	LINK PLUMERIA	81,723	79,823	81,723	.....	+1,900
69	RETRACT ELM	57,036	57,036	57,036	.....	.....
70	SHIP SELF DEFENSE	9,592	9,592	9,592	.....	.....
71	LINK EVERGREEN	58,153	58,153	58,153	.....	.....
72	SPECIAL PROCESSES	47,908	47,908	47,908	.....	.....
73	NATO RESEARCH AND DEVELOPMENT	10,335	10,335	10,335	.....	.....
74	LAND ATTACK TECHNOLOGY	14,195	72,695	38,195	+24,000	−34,500
75	NONLETHAL WEAPONS (DEM/VAL)	43,981	48,981	43,981	.....	−5,000
76	ALL SERVICE COMBAT IDENTIFICATION EVALUATION TEAM	15,696	15,696	15,696	.....	.....
77	JOINT PRECISION APPROACH AND LANDING SYSTEMS (DEM/VAL)	39,260	39,260	39,260	.....	.....
78	SINGLE INTEGRATED AIR PICTURE (SIAP) SYSTEM ENGINEER	36,721	36,721	36,721	.....	.....
79	COUNTER-DRUG RDT&E PROJECTS	.....	3,400	11,000	+11,000	+7,600
80	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES	9,956	9,956	9,956	.....	.....
82	SPACE & ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINE	44,469	35,950	44,469	.....	+8,519
81	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS)	.....	.....	12,000	+12,000	+12,000
83	JOINT WARFARE TRANSFORMATION PROGRAMS	23,385	23,385	23,385	.....	.....
	TOTAL, DEMONSTRATION & VALIDATION	3,276,391	3,491,372	3,453,891	+177,500	−37,481
	ENGINEERING & MANUFACTURING DEVELOPMENT					
84	OTHER HELO DEVELOPMENT	81,112	81,112	81,112	.....	.....
85	AV-8B AIRCRAFT—ENG DEV	15,556	15,556	15,556	.....	.....
86	STANDARDS DEVELOPMENT	84,308	81,308	86,308	+2,000	+5,000
87	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT	48,144	50,144	48,144	.....	−2,000
88	AIR/OCEAN EQUIPMENT ENGINEERING	4,558	4,558	4,558	.....	.....
89	P-3 MODERNIZATION PROGRAM	7,401	11,101	8,401	+1,000	−2,700
90	WARFARE SUPPORT SYSTEM	2,275	2,275	2,275	.....	.....
91	TACTICAL COMMAND SYSTEM	51,177	64,177	56,177	+5,000	−8,000
92	ADVANCED HAWKEYE	629,682	629,682	579,682	−50,000	−50,000
93	H-1 UPGRADES	42,012	42,012	42,012	.....	.....
94	ACOUSTIC SEARCH SENSORS	29,522	38,522	29,522	.....	−9,000
95	V-22A	206,376	206,376	206,376	.....	.....
96	AIR CREW SYSTEMS DEVELOPMENT	10,902	14,102	10,902	.....	−3,200
97	EA-18	409,097	400,000	409,097	.....	+9,097

[In thousands of dollars]

	Item	2006 budget estimate	House allowance	Committee recommendation	Change from—	
					Budget estimate	House allowance
98	ELECTRONIC WARFARE DEVELOPMENT	42,667	42,667	45,167	+2,500	+2,500
99	VHXX EXECUTIVE HELO DEVELOPMENT	935,932	935,932	935,932	.....	.....
100	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY)	250,766	204,000	220,766	−30,000	+16,766
101	SC-21 TOTAL SHIP SYSTEM ENGINEERING	1,114,791	757,000	1,127,791	+13,000	+370,791
102	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	216,313	233,313	220,313	+4,000	−13,000
103	LPD-17 CLASS SYSTEMS INTEGRATION	11,443	11,443	11,443	.....	.....
105	SMALL DIAMETER BOMB (SDB)	9,965	9,965	9,965	.....	.....
106	STANDARD MISSILE IMPROVEMENTS	145,634	151,134	149,634	+4,000	−1,500
107	AIRBORNE MCM	54,659	54,659	54,659	.....	.....
108	SSN-688 AND TRIDENT MODERNIZATION	95,499	105,499	100,499	+5,000	−5,000
109	AIR CONTROL	10,151	10,151	13,151	+3,000	+3,000
110	ENHANCED MODULAR SIGNAL PROCESSOR	1,079	1,079	1,079	.....	.....
111	SHIPBOARD AVIATION SYSTEMS	33,029	33,029	42,529	+9,500	+9,500
112	COMBAT INFORMATION CENTER CONVERSION	6,908	7,908	6,908	.....	−1,000
113	NEW DESIGN SSN	155,807	169,307	193,807	+38,000	+24,500
114	SSN-21 DEVELOPMENTS	2,928	2,928	2,928	.....	.....
115	SUBMARINE TACTICAL WARFARE SYSTEM	40,690	42,690	47,690	+7,000	+5,000
116	SHIP CONTRACT DESIGN/LIVE FIRE T&E	55,672	58,672	55,672	.....	−3,000
117	NAVY TACTICAL COMPUTER RESOURCES	2,220	7,220	2,220	.....	−5,000
118	MINE DEVELOPMENT	15,392	15,392	15,392	.....	.....
120	LIGHTWEIGHT TORPEDO DEVELOPMENT	31,826	31,826	31,826	.....	.....
122	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	8,880	8,880	8,880	.....	.....
123	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS	3,097	6,097	3,097	.....	−3,000
124	BATTLE GROUP PASSIVE HORIZON EXTENSION SYSTEM	18,456	34,456	22,456	+4,000	−12,000
125	JOINT STANDOFF WEAPON SYSTEMS	13,517	13,517	13,517	.....	.....
126	SHIP SELF DEFENSE (DETECT & CONTROL)	45,931	56,931	49,931	+4,000	−7,000
127	SHIP SELF DEFENSE (ENGAGE: HARD KILL)	46,026	52,026	48,026	+2,000	−4,000
128	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	24,012	40,212	33,012	+9,000	−7,200
129	INTELLIGENCE ENGINEERING	5,002	5,002	5,002	.....	.....
130	MEDICAL DEVELOPMENT	7,202	42,702	26,702	+19,500	−16,000
131	NAVIGATION/ID SYSTEM	52,717	52,717	47,717	−5,000	−5,000
132	DISTRIBUTED SURVEILLANCE SYSTEM	54,256	58,256	54,256	.....	−4,000
133	JOINT STRIKE FIGHTER (JSF)—EMD	2,393,013	2,399,213	2,269,013	−124,000	−130,200
134	SMART CARD	715	715	715	.....	.....
135	INFORMATION TECHNOLOGY DEVELOPMENT	19,150	22,750	19,150	.....	−3,600

136	INFORMATION TECHNOLOGY DEVELOPMENT	60,859	92,359	92,859	+32,000	+500
138	MULTINATIONAL INFORMATION SHARING (MNIS)	33,557	22,000	33,557		+11,557
139	CH-53X	271,941	271,941	271,941		
140	MULTI-MISSION MARITIME AIRCRAFT (MMA)	964,067	964,067	964,067		
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	8,877,891	8,670,580	8,833,391	−44,500	+162,811
	RDT&E MANAGEMENT SUPPORT					
142	THREAT SIMULATOR DEVELOPMENT	23,918	23,918	23,918		
143	TARGET SYSTEMS DEVELOPMENT	52,963	41,555	52,963		+11,408
144	MAJOR T&E INVESTMENT	39,682	39,682	41,682	+2,000	+2,000
145	STUDIES AND ANALYSIS SUPPORT—NAVY	9,629	10,208	9,629		−579
146	CENTER FOR NAVAL ANALYSES	49,891	49,891	49,891		
147	FLEET TACTICAL DEVELOPMENT	2,266	2,266	2,266		
149	TECHNICAL INFORMATION SERVICES	714	9,714	26,714	+26,000	+17,000
150	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	44,847	42,604	44,847		+2,243
151	STRATEGIC TECHNICAL SUPPORT	3,451	3,451	3,451		
152	RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT	63,508	63,508	63,508		
153	RDT&E INSTRUMENTATION MODERNIZATION	1,632	1,632	1,632		
154	RDT&E SHIP AND AIRCRAFT SUPPORT	77,131	77,131	77,131		
155	TEST AND EVALUATION SUPPORT	320,133	320,133	320,133		
156	OPERATIONAL TEST AND EVALUATION CAPABILITY	13,101	13,101	13,101		
157	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT	2,829	2,829	2,829		
158	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT	13,030	13,030	13,030		
159	MARINE CORPS PROGRAM WIDE SUPPORT	28,224	38,224	30,224	+2,000	−8,000
160	SERVICE SUPPORT TO JFCOM, JNTC	10,000	18,500	10,000		−8,500
	TOTAL, RDT&E MANAGEMENT SUPPORT	756,949	771,377	786,949	+30,000	+15,572
	OPERATIONAL SYSTEMS DEVELOPMENT					
164	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	90,022	95,022	95,022	+5,000	
165	SSBN SECURITY TECHNOLOGY PROGRAM	44,063	44,063	44,063		
166	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	8,527	9,527	8,527		−1,000
167	NAVY STRATEGIC COMMUNICATIONS	31,443	38,143	31,443		−6,700
168	RAPID TECHNOLOGY TRANSITION (RTT)	24,653	28,653	24,653		−4,000
169	F/A-18 SQUADRONS	88,720	88,720	90,720	+2,000	+2,000
170	E-2 SQUADRONS	2,256	15,756	6,256	+4,000	−9,500
171	FLEET TELECOMMUNICATIONS (TACTICAL)	32,694	32,694	34,694	+2,000	+2,000
172	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	20,342	28,342	26,342	+6,000	−2,000
173	INTEGRATED SURVEILLANCE SYSTEM	23,453	25,453	29,453	+6,000	+4,000
174	AMPHIBIOUS TACTICAL SUPPORT UNITS	4,768	4,768	4,768		

[In thousands of dollars]

	Item	2006 budget estimate	House allowance	Committee recommendation	Change from—	
					Budget estimate	House allowance
175	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	42,248	43,248	42,248	.....	−1,000
176	CRYPTOLOGIC DIRECT SUPPORT	1,422	1,422	1,422	.....	.....
177	ELECTRONIC WARFARE (EW) READINESS SUPPORT	13,987	13,987	13,987	.....	.....
178	HARM IMPROVEMENT	90,832	97,332	80,832	−10,000	−16,500
179	TACTICAL DATA LINKS	86,364	86,364	86,364	.....	.....
180	SURFACE ASW COMBAT SYSTEM INTEGRATION	4,519	18,019	4,519	.....	−13,500
181	MK-48 ADCAP	21,619	21,619	21,619	.....	.....
182	AVIATION IMPROVEMENTS	81,546	94,546	83,546	+2,000	−11,000
183	NAVY SCIENCE ASSISTANCE PROGRAM	3,917	3,917	3,917	.....	.....
184	OPERATIONAL NUCLEAR POWER SYSTEMS	64,054	64,054	64,054	.....	.....
185	MARINE CORPS COMMUNICATIONS SYSTEMS	237,081	264,381	243,781	+6,700	−20,600
186	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	48,409	71,909	68,009	+19,600	−3,900
187	MARINE CORPS COMBAT SERVICES SUPPORT	10,476	15,476	15,476	+5,000	.....
188	TACTICAL AIM MISSILES	9,384	9,384	9,384	.....	.....
189	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	3,584	3,584	3,584	.....	.....
193	SATELLITE COMMUNICATIONS (SPACE)	541,980	450,980	541,980	.....	+91,000
194	INFORMATION SYSTEMS SECURITY PROGRAM	28,660	20,700	28,660	.....	+7,960
195	JOINT COMMAND AND CONTROL PROGRAM (JC2)	5,000	5,000	5,000	.....	.....
197	COBRA JUDY	121,261	121,261	121,261	.....	.....
198	NAVY METEOROLOGICAL AND OCEAN SENSORS—SPACE (METOC)	9,122	11,122	9,122	.....	−2,000
199	JOINT C4ISR BATTLE CENTER (JBC)	55,326	49,326	55,326	.....	+6,000
200	JOINT MILITARY INTELLIGENCE PROGRAMS	4,290	4,290	4,290	.....	.....
201	TACTICAL UNMANNED AERIAL VEHICLES	99,349	106,799	115,162	+15,813	+8,363
203	AIRBORNE RECONNAISSANCE SYSTEMS	27,918	27,918	36,068	+8,150	+8,150
204	MANNED RECONNAISSANCE SYSTEMS	21,322	22,322	21,322	.....	−1,000
205	DISTRIBUTED COMMON GROUND SYSTEMS	12,354	16,354	12,354	.....	−4,000
206	AERIAL COMMON SENSOR (ACS) (JMIP)	133,642	134,642	13,642	−120,000	−121,000
207	MODELING AND SIMULATION SUPPORT	6,812	6,812	6,812	.....	.....
208	DEPOT MAINTENANCE (NON-IF)	10,012	13,012	10,012	.....	−3,000
209	INDUSTRIAL PREPAREDNESS	57,753	62,753	57,753	.....	−5,000
210	MARITIME TECHNOLOGY (MARITECH)	.....	.....	4,000	+4,000	+4,000
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	2,225,184	2,273,674	2,181,447	−43,737	−92,227
999	CLASSIFIED PROGRAMS	1,125,515	1,096,949	1,149,265	+23,750	+52,316

TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY	18,037,991	18,481,862	18,557,904	+519,913	+76,042

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
1	UNIVERSITY RESEARCH INITIATIVES	75,910	79,410	+3,500
	Center for Southeastern Tropical Advanced Remote Sensing (CSTARS)			+2,500
	Multifunctional Materials for Naval Structures			+1,000
2	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	15,500	18,500	+3,000
	Navy S&T Outreach			+3,000
3	DEFENSE RESEARCH SCIENCES	356,885	372,385	+15,500
	Bio-Inspired Materials—Applications in Catalysis, Magnetics, Electronics and Medicine			+2,000
	Nanoelectronics and Nanometrology Initiative			+5,000
	Neurobiologically Inspired Computational Architectures and Methodologies			+2,000
	Rotational Molded Double Wall Hull Using Thermo-Plastic Cross-Link Material			+2,500
	UNOLS Research Vessel			+4,000
4	POWER PROJECTION APPLIED RESEARCH	94,148	123,648	+29,500
	Aircraft Carrier Surveillance System			+5,000
	Combustion Light Gas Gun			+5,000
	Free Electron Laser			+5,000
	MDETEC			+1,000
	Multi-Sensor Hyperspectral System for Day/Night Reconnaissance			+3,000
	Silver Fox Unmanned Aerial Vehicle			+2,500
	Thermal Management Systems for High Density Electronics			+8,000
5	FORCE PROTECTION APPLIED RESEARCH	101,650	141,650	+40,000
	Advanced Fusion Processor			+3,000
	High Efficiency Quiet Electric Drive			+3,000
	High Frequency Acoustic Signal Processor System			+6,000
	Lithium Ion Battery for Multiple Navy Aircraft (J–UCAS & T–45 Trainer)			+3,000
	Magnetic Refrigeration Technology for Naval Applications			+3,200
	Nano-magnetic Materials for Future Military Propulsion and Energy Systems			+2,000
	NAVAIR Corrosion Modeling Software Project			+3,000
	PEM Fuel Cell for Vehicle Sensors			+1,000
	PMRF Force Protection Lab			+4,000
	Polymeric Aircraft Components			+2,000
	Small Watercraft Propulsion Demonstrator			+3,000
	Undersea Perimeter Security Technology			+2,300
	Unmanned Sea Surface Vehicles for Maritime Missions			+4,500
6	MARINE CORPS LANDING FORCE TECHNOLOGY	37,590	39,090	+1,500
	Advanced Lead Acid Battery Development for Military Vehicles			+1,500
8	MATERIALS, ELECTRONICS AND COMPUTER TECHNOLOGY		2,500	+2,500
	Agile Manufacturing Center for Castings Technology—Keyport Naval Base			+2,500
9	COMMON PICTURE APPLIED RESEARCH	57,693	112,193	+54,500
	AIREP			+6,500
	Critical Area Protection Systems High Resolution Situational Awareness			+1,000
	M2C2			+7,000
	NAIF			+6,000
	SensorNet			+25,000
	Theater Undersea Warfare Initiative			+7,000
	Webster Integration			+2,000
10	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	82,856	101,856	+19,000
	Seabasing Research			−7,500
	Training Technologies Program Execution			−3,000
	Advanced Fouling and Corrosion Control Coatings			+8,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
	Automated Video Threat Recognition			+2,500
	Biosensor of Defense Applications			+1,500
	Friction Stir Welding			+2,000
	Intelligent Processing of Multifunctional Composite Materials			+3,000
	Methane Desalination Systems			+1,000
	Multifunction Composites for Next Navy Seaframes			+3,500
	Optimizing Adaptive Warrior Performance			+2,000
	Rapid Detection of Biowarfare Agents in Water			+3,000
	Transportable Transponder Landing System			+3,000
11	RF SYSTEMS APPLIED RESEARCH	47,302	60,802	+13,500
	Advanced Microwave Ferrite Research for RF Systems			+2,500
	Gallium Nitride RF Power Technology			+2,000
	Maritime Synthetic Range			+7,000
	Pacific-Theater Data Fusion Testbed			+2,000
12	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	49,793	52,293	+2,500
	Integrated Littoral Sensor Network			+2,500
14	UNDERSEA WARFARE APPLIED RESEARCH	71,362	83,162	+11,800
	Acoustic Littoral Glider System			+4,500
	High Power, High Duty Transducers			+3,300
	MEMS–IMU for an Advanced Underwater Sensor			+4,000
15	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	49,520	50,520	+1,000
	Program Execution			−3,000
	Coordinated, Heterogeneous Teams of Unmanned Vehicles			+3,000
	Hyperspectral Imager for the Coastal Ocean			+1,000
16	POWER PROJECTION ADVANCED TECHNOLOGY	82,538	135,538	+53,000
	Advanced Panoramic Sensor Systems for Unmanned Aerial Vehicles			+1,000
	Articulated Stable Ocean Platform			+1,000
	Bow Lifting Body Ship Research			+7,000
	Excalibur Unmanned Combat Aerial Vehicle			+1,000
	Expeditionary Craft			+9,000
	High Speed Anti-Radiation Demonstration—Airframe/Propulsion Section			+10,000
	Information Sharing for ISR Targeting and Engagement of Mobile Targets			+3,000
	Long Wavelength Array			+5,000
	Low-Power Polymer Based Infrared Technology			+3,000
	Quiet High-Speed Propulsion			+8,000
	Smart Instrument Development for the Magdalena Ridge Observatory			+5,000
17	FORCE PROTECTION ADVANCED TECHNOLOGY	71,488	125,988	+54,500
	Agile Port and High Speed Ship Technology			+5,000
	Copper-Ceramic Solid Oxide Fuel Cell Technology			+1,000
	High Performance Sandwich Panel Construction			+1,000
	High Temperature Superconducting Generators			+5,000
	Large Unmanned Undersea Vehicle Test Bed			+6,000
	Mobile Manufacturing and Repair Cell			+5,000
	Planar Solid Oxide Fuel Cell Cluster Demonstration			+6,000
	Pure Hydrogen Supply from Logistics Fuel			+1,500
	Remote Energetic Material Manufacturing for Pyrotechnic Infrared Decoys			+3,000
	Ship Service Fuel Cell			+6,000
	Unmanned Force Augmentation System			+5,000
	Wide Bandgap Semiconductor Substrate Materials			+8,000
	Wireless Sensor System			+2,000
18	COMMON PICTURE ADVANCED TECHNOLOGY	60,589	67,989	+7,400
	CUSAS			+3,400
	Improved Shipboard Combat Information			+4,000
19	WARFIGHTER SUSTAINMENT ADVANCED TECHNOLOGY	68,540	87,040	+18,500
	Automated Container and Cargo Handling System			+4,000
	Defense Systems Modernization and Sustainment Initiative			+4,000
	HEET			+4,500
	Protective Apparel Technology Systems			+3,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
	Wireless Sensors for Navy Aircraft			+3,000
20	RF SYSTEMS ADVANCED TECHNOLOGY	75,070	90,070	+15,000
	APY–6 Real-time Precision Targeting Radar			+4,000
	Common Affordable Radar Processor			+8,000
	Joint Electronic Attack Unmanned Vehicles			+3,000
21	MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	56,434	80,634	+24,200
	Armored Patrol Vehicle			+3,000
	Expeditionary Unit Water Purification II			+11,000
	Laser Integrated Target Engagement System			+5,200
	Marine Air-Ground Task Force Situational Awareness			+1,000
	Mobile Fire Support System—Dragonfire II			+4,000
24	NAVY TECHNICAL INFORMATION PRESENTATION SYSTEM	187,943	175,943	−12,000
	Program Growth			−20,000
	Modeling and Simulation for Urban Operations			+8,000
25	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	16,068	29,568	+13,500
	High Speed Blood and Fluid Transfusion Equipment			+3,000
	Integrated Warfighter BioDefense Program			+7,500
	Tissue and Limb Transplantation Medical Technology Development			+3,000
26	UNDERSEA WARFARE ADVANCED TECHNOLOGY	27,603	30,603	+3,000
	Hawaii Undersea Vehicle Test and Training Environment			+2,000
	SAUVIM			+1,000
29	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY	31,897	33,897	+2,000
	Visual Integrated Bridge System			+2,000
30	AIR/OCEAN TACTICAL APPLICATIONS	27,094	30,594	+3,500
	3D Certification of Multibeam Array and Processing System			+2,500
	Littoral Acoustic Demonstration Center			+1,000
31	AVIATION SURVIVABILITY	6,255	27,605	+21,350
	Agile Laser Eye Goggle Protection			+2,000
	Aviation Fire Suppression Production Alignment			+1,000
	Integrated Manifold and Tube Ceramic Oxygen Generator			+6,000
	Intelligent Control Systems for SWARM Unmanned Aerial Vehicles			+4,350
	Rotocraft External Airbag Protection System			+4,000
	Silver Fox Unmanned Aerial Vehicle			+4,000
33	ASW SYSTEMS DEVELOPMENT	7,050	16,050	+9,000
	Electro-Optic Passive ASW (EPAS)			+8,000
	Lithium Battery Sonobuoy Packs			+1,000
36	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	122,122	121,122	−1,000
	EMNS Contract Award Delay			−3,000
	Surface Navy Integrated Undersea Tactical Technology			+2,000
37	SURFACE SHIP TORPEDO DEFENSE	47,039	53,039	+6,000
	Anti Torpedo Torpedo			+3,000
	Integrated Multi-Platform Sonar System			+3,000
39	SHIPBOARD SYSTEM COMPONENT DEVELOPMENT	22,150	44,900	+22,750
	Amorphous Metal Permanent Magnet Generator			+1,500
	Carbon Foam Program			+2,250
	High Temperature Superconductor AC Synchronous Navy Propulsion Motor			+8,000
	MTTC/IPI and National Surface Treatment Center			+10,000
	Water Mist Fire Protection Systems			+1,000
44	SURFACE ASW	17,343	21,843	+4,500
	Improved Surface Vessel Torpedo Launcher			+4,500
46	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	162,953	162,953	
	Program Reduction			−20,000
	SSGN/Unmanned Undersea Vehicle Integration Program			+20,000
48	SHIP CONCEPT ADVANCED DESIGN	11,899	20,899	+9,000
	Autonomous Maritime Navigation Program			+8,000
	Security Video Distribution System for Shipboard Force Protection			+1,000
53	LITTORAL COMBAT SHIP (LCS)	576,454	581,454	+5,000
	Remote Operation of Active Sonar Technology			+5,000
54	COMBAT SYSTEM INTEGRATION	76,975	91,975	+15,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
	Transportable Laser Induced Plasma Channel			+13,000
	Trouble Report Information Data Warehouse			+2,000
58	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	500	15,500	+15,000
	Anti-Sniper Infrared Targeting System			+6,000
	Marine Expeditionary Rifle Squad			+2,000
	Neutralizing Facility Threats with Novel Technology			+1,500
	Urban Operations Environmental Laboratory			+5,500
62	ENVIRONMENTAL PROTECTION	21,977	27,377	+5,400
	Coatings and Polymeric Films Development for Naval Applications			+2,400
	Integrated Marine Mammal Monitoring and Protection System			+3,000
63	NAVY ENERGY PROGRAM	1,595	13,095	+11,500
	One Megawatt Molten Carbonate Fuel Cell Demonstrator—Pearl Harbor Naval Station			+7,500
	One Megawatt Molten Carbonate Fuel Cell Demonstrator—Camp Pendleton			+4,000
64	FACILITIES IMPROVEMENT	4,158	5,658	+1,500
	Playas Instrumentation Network Design and Development			+1,500
66	NAVY LOGISTIC PRODUCTIVITY	8,909	10,909	+2,000
	AIT-Enabled Aviation Pack-up Kit			+2,000
74	LAND ATTACK TECHNOLOGY	14,195	38,195	+24,000
	Ballistic Trajectory Extended Range Munition Program			+12,000
	Mk 57mm Gun/Ammo Transition and Start-Up			+12,000
79	COUNTERDRUG RDT&E PROJECTS		11,000	+11,000
	76mm Super Rapid Medium Caliber Gun for Littoral Combat Ships			+500
	Athena Beta Site			+7,500
	Research of Frequency Selective Surfaces and Thermal Signatures—INL			+3,000
81	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM		12,000	+12,000
	Submarine Launched Intermediate Range Ballistic Missile			+12,000
86	STANDARDS DEVELOPMENT	84,308	86,308	+2,000
	Advanced Virtual Test System Project			+2,000
89	P–3 MODERNIZATION PROGRAM	7,401	8,401	+1,000
	Personal Digital Assistant Maintenance Application Project			+1,000
91	TACTICAL COMMAND SYSTEM	51,177	56,177	+5,000
	Logistics Common Operating Picture			+4,000
	Naval Special Warfare UUV Sensors and C2—STTR			+1,000
92	ADVANCED HAWKEYE	629,682	579,682	−50,000
	Program Execution			−50,000
98	ELECTRONIC WARFARE DEVELOPMENT	42,667	45,167	+2,500
	Infrared Signature Reduction to Mitigate Terrorist Missile Threats			+2,500
100	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS–NAVY)	250,766	220,766	−30,000
	Airborne Maritime/Fixed JTRS			−30,000
101	SC–21 TOTAL SHIP SYSTEM ENGINEERING	1,114,791	1,127,791	+13,000
	Naval Smartships that Anticipate and Manage			+2,000
	Permanent Magnet Motor			+11,000
102	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	216,313	220,313	+4,000
	Silicon Carbide Monolithic Microwave Integrated Circuit (MMIC) Program			+4,000
106	STANDARD MISSILE IMPROVEMENTS	145,634	149,634	+4,000
	MK 41 Vertical Launching System Open Architecture			+4,000
108	SSN–688 AND TRIDENT MODERNIZATION	95,499	100,499	+5,000
	Improved Submarine Towed Array Handler and Reliability			+5,000
109	AIR CONTROL	10,151	13,151	+3,000
	Transportable Transponder Landing System			+3,000
111	SHIPBOARD AVIATION SYSTEMS	33,029	42,529	+9,500
	Aircraft Carrier Aviation Modernization			+6,500
	Machine Vision Confirmation of Launch Bar Engagement System			+1,000
	Synthetic Material Arresting Gear Cable			+2,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
113	NEW DESIGN SSN	155,807	193,807	+38,000
	Multi-Mission Module—Virginia Class SSN			+30,000
	Network Centric Capability Technology Insertion			+4,000
	Submarine COTS Web Enabled Services Toolkit			+4,000
115	SUBMARINE TACTICAL WARFARE SYSTEM	40,690	47,690	+7,000
	Automated Submarine Command and Control Center			+3,500
	Submarine Open Architecture Technology Insertion			+3,500
124	BATTLE GROUP PASSIVE HORIZON EXTENSION SYSTEM	18,456	22,456	+4,000
	COBLU—Network Centric Warfare Enhancement			+4,000
126	SHIP SELF DEFENSE (DETECT CONTROL)	45,931	49,931	+4,000
	Autonomous Unmanned Surface Vessel			+4,000
127	SHIP SELF DEFENSE (ENGAGE: HARD KILL)	46,026	48,026	+2,000
	Phalanx CIWS Next Generation and Lightweight Mount			+2,000
128	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	24,012	33,012	+9,000
	NULKA Decoy System			+4,000
	Sea Raptor			+5,000
130	MEDICAL DEVELOPMENT	7,202	26,702	+19,500
	Bioadhesion Research to Combat Biological Warfare			+4,000
	Hemoglobin-Based Oxygen Carrier Research			+4,000
	Hemostatic Therapeutic Trials			+3,000
	Multivalent Dengue Vaccine Program			+3,000
	Non-Invasive Vectored Vaccine Research			+3,500
	On-demand Custom Body Implants/Prosthesis for Injured Personnel			+1,000
	RescueStreamer Distress Signal			+1,000
131	NAVIGATION/ID SYSTEM	52,717	47,717	−5,000
	Mode 5 Prototype Hardware and Crypto Module Delay			−5,000
133	JOINT STRIKE FIGHTER (JSF)—EMD	2,393,013	2,269,013	−124,000
	Program Adjustment			−124,000
136	INFORMATION TECHNOLOGY DEVELOPMENT	60,859	92,859	+32,000
	Condition-Based Maintenance Enabling Technologies Program			+3,000
	Digitization, Integration and Analyst Access of NCIS Investigative Files			+6,000
	Integration of Logistics Information for Knowledge Projection and Readiness Assessment			+2,000
	Internet Chat Relay Upgrade			+2,000
	Next Generation Networking Electronic Medical Record Project			+1,000
	SPAWAR Information Technology Center			+18,000
144	MAJOR T&E INVESTMENT	39,682	41,682	+2,000
	Integrating Navy RDTE and Training Resources to Accelerate Transformation of the Fleet			+2,000
149	TECHNICAL INFORMATION SERVICES	714	26,714	+26,000
	HTDV			+4,000
	Integrated Manufacturing Enterprise Project			+5,000
	JITC			+9,000
	Pacific-Based Joint Info Tech Center			+8,000
159	MARINE CORPS PROGRAM WIDE SUPPORT	28,224	30,224	+2,000
	Detection and Recovery of Unexploded Ordinance (UXO) Brown Island—Camp LeJeune			+2,000
164	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	90,022	95,022	+5,000
	Thin-Plate Pure Lead Technology in Submarine Batteries			+5,000
169	F/A–18 SQUADRONS	88,720	90,720	+2,000
	Program Execution			−10,000
	F/A–18E/F Net Centric Operations Upgrades			+10,000
	Military Rapid Response Command Information System			+2,000
170	E–2 SQUADRONS	2,256	6,256	+4,000
	Makaha Ridge FORCEnet Lab			+4,000
171	FLEET TELECOMMUNICATIONS (TACTICAL)	32,694	34,694	+2,000
	Floating Area Network			+2,000
172	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	20,342	26,342	+6,000
	Precision Terrain Aided Tomahawk Navigation			+6,000
173	INTEGRATED SURVEILLANCE SYSTEM	23,453	29,453	+6,000
	Fiber Optic Conformal Acoustic Velocity System			+6,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
178	HARM IMPROVEMENT	90,832	80,832	−10,000
	APKWS Program Curtailment			−10,000
182	AVIATION IMPROVEMENTS	81,546	83,546	+2,000
	Advanced Very Lightweight Avionics System for Airborne Platforms			+1,000
	Smart Multi-functional Corrosion Inhibiting Coatings			+1,000
185	MARINE CORPS COMMUNICATIONS SYSTEMS	237,081	243,781	+6,700
	JTRS Program Delay and Restructure			−3,300
	Critical Infrastructure Protection Center			+3,500
	Improved Ground Based Transportable Radar			+4,000
	Marine Corps Distributed Common Ground System and Net Centric Center			+1,000
	Metadata			+1,500
186	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	48,409	68,009	+19,600
	Antioxidant Micronutrients Program			+600
	Expeditionary Fire Support System			+5,500
	Multi-Role Intermediate Support Craft			+9,500
	Ultrasonic Consolidation of Embedded Sensors			+4,000
187	MARINE CORPS COMBAT SERVICES SUPPORT	10,476	15,476	+5,000
	Autonomic Logistics			+5,000
201	TACTICAL UNMANNED AERIAL VEHICLES (JMIP)	99,349	115,162	+15,813
	Marine Corps VUAV Program Cancellation			−9,187
	Advanced Airship Flying Laboratory, Phase II			+5,000
	Fire Scout RQ–8B			+20,000
203	AIRBORNE RECONNAISSANCE SYSTEMS (JMIP)	27,918	36,068	+8,150
	Deployable UAV System for Targeting Exploitation and Reconnaissance (DUSTER)			+6,500
	Oblique Angle Hyperspectral Image Fusion and Analysis for Change Detection			+1,650
206	AERIAL COMMON SENSOR (ACS) (JMIP)	133,642	13,642	−120,000
	ACS Program Delay			−120,000
210	MARITIME TECHNOLOGY (MARITECH)		4,000	+4,000
	Navy Automatic Identification Technology (AIT) Engineering Support Center			+4,000
999	CLASSIFIED PROGRAMS	1,125,515	1,149,265	+23,750
	Classified Adjustment			+23,750

Construction of Navy Research Vessels.—The budget request includes $4,000,000 in the "Research, Development, Test and Evaluation, Navy" appropriation for design of the next generation of ocean research vessels for the University National Ocean Laboratory [UNOLS] fleet. The academic research community uses UNOLS vessels to conduct experiments and research for the Navy. The Committee is concerned with Navy plans to use basic research funds from the "Research, Development, Test and Evaluation, Navy" appropriation to fund the construction of academic research vessels in fiscal year 2007. While these vessels provide the Navy with a key research tool, such diversion of research funds would adversely affect the goals of the basic research funding activity.

The Committee recommendation includes the $4,000,000, as requested, for design of the new research vessel in fiscal year 2006. The Committee, however, directs the Navy to request the planned $25,000,000 in fiscal year 2007 for ship construction in the "Shipbuilding and Conversion, Navy" appropriation. The Committee expects the Navy will continue to use this account to provide for the recapitalization of the UNOLS fleet in the Future Years Defense Plan.

Photonics Prototyping Facility.—Due to financial constraints, the Committee is no longer able to provide funding for the photonics prototyping facility. If the Navy is unable to continue support for the facility with its internal resources, the Committee directs the Navy to provide all the equipment purchased with government funding to a local institution of higher education or to a local Navy entity that can best utilize the equipment.

E–2C Advanced Hawkeye Technologies.—The Committee recognizes that the APS–145 Transmitter Retrofit Program provides an opportunity to increase the readiness levels of the E–2C aircraft and extend its useful service life. The Committee encourages the Navy to include funding for this program as part of its annual budget. In addition, the Committee recognizes that the technology used in the retrofit transmitter is in development and could provide significant improvements to the technologies employed in the baseline transmitter for the E–2C Advanced Hawkeye. The Committee encourages the Navy to compare the technologies of an evolved APS–145 to those of the baseline transmitter in terms of cost, weight, volume, spectral compliance, and reliability.

Next Generation Networking Electronic Medical Record Project.—The Committee recognizes the challenges the Department of Navy faces as it prepares to transition its paper based records system within the Composite Health Care System to an electronic based records system. Some of these challenges involve the migration and storage of medical data, and also access to and timely delivery of this critical data. Therefore, the Committee provides an additional $1,000,000 for an information technology pilot project that utilizes layer seven routing in a combined manner; using integrated host routing, object routing and multipath routing technologies to optimize data transport across IP based networks. This National Naval Medical Center pilot project will focus on technologies that measure and dynamically manage end-to-end client-to-server latencies, increase network reliability, migrate content on demand, and optimize client operations so least loaded servers services sites and paths are always selected, servers and network resources are more efficiently utilized, and end-to-end failures are preemptively avoided.

Joint Direct Attack Munition [JDAM] Laser Capability.—The Committee understands that Combatant Commanders in OEF/OIF have requested the addition of a laser capability to existing JDAM weapon kits. This change could provide improved JDAM operational flexibility and time sensitive target capability. Therefore, the Committee encourages the Department to consider laser JDAM testing to provide these increased capabilities to the warfighter.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE

Appropriations, 2005	$20,890,922,000
Budget estimate, 2006	22,612,351,000
House allowance	22,664,868,000
Committee recommendation	21,859,010,000

The Committee recommends an appropriation of $21,859,010,000. This is $753,341,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

	Item	2006 budget estimate	House allowance	Committee recommendation	Change from— Budget estimate	Change from— House allowance
	RESEARCH, DEVELOPMENT, TEST & EVAL, AF					
	BASIC RESEARCH					
1	DEFENSE RESEARCH SCIENCES	223,894	232,294	242,744	+18,850	+10,450
2	UNIVERSITY RESEARCH INITIATIVES	105,029	108,029	111,029	+6,000	+3,000
3	HIGH ENERGY LASER RESEARCH INITIATIVES	11,894	11,894	12,594	+700	+700
	TOTAL, BASIC RESEARCH	340,817	352,217	366,367	+25,550	+14,150
	APPLIED RESEARCH					
4	MATERIALS	74,156	92,506	126,756	+52,600	+34,250
5	AEROSPACE VEHICLE TECHNOLOGIES	96,679	102,679	104,679	+8,000	+2,000
6	HUMAN EFFECTIVENESS APPLIED RESEARCH	79,442	94,842	106,842	+27,400	+12,000
7	AEROSPACE PROPULSION	107,523	162,123	119,523	+12,000	−42,600
8	AEROSPACE SENSORS	93,263	103,763	120,463	+27,200	+16,700
9	MULTI-DISCIPLINARY SPACE TECHNOLOGY	81,339	86,339	92,639	+11,300	+6,300
10	SPACE TECHNOLOGY	84,540	101,740	106,640	+22,100	+4,900
11	CONVENTIONAL MUNITIONS	58,058	61,058	62,058	+4,000	+1,000
12	DIRECTED ENERGY TECHNOLOGY	37,709	51,959	38,709	+1,000	−13,250
13	COMMAND CONTROL AND COMMUNICATIONS	93,316	98,316	95,216	+1,900	−3,100
14	DUAL USE SCIENCE AND TECHNOLOGY PROGRAM	.....	1,500	.....	.....	−1,500
15	HIGH ENERGY LASER RESEARCH	45,678	48,178	45,678	.....	−2,500
	NATIONAL DIABETES MODEL PROGRAM	.....	22,000	.....	.....	−22,000
	TOTAL, APPLIED RESEARCH	851,703	1,027,003	1,019,203	+167,500	−7,800
	ADVANCED TECHNOLOGY DEVELOPMENT					
16	ADVANCED MATERIALS FOR WEAPON SYSTEMS	36,714	69,114	60,214	+23,500	−8,900
17	ADVANCED AEROSPACE SENSORS	35,157	35,157	35,157	.....	.....
19	AEROSPACE TECHNOLOGY DEV/DEMO	25,133	59,133	29,633	+4,500	−29,500
20	AEROSPACE PROPULSION AND POWER TECHNOLOGY	77,268	92,268	94,768	+17,500	+2,500
21	CREW SYSTEMS AND PERSONNEL PROTECTION TECHNOLOGY	29,775	38,275	29,775	.....	−8,500
22	ELECTRONIC COMBAT TECHNOLOGY	23,923	31,423	31,423	+7,500	.....
23	BALLISTIC MISSILE TECHNOLOGY	.....	11,700	3,750	+3,750	−7,950
25	JOINT UNMANNED COMBAT AIR SYSTEMS (J-UCAS)	77,800	77,800	77,800	.....	.....
26	ADVANCED SPACECRAFT TECHNOLOGY	60,915	79,415	95,415	+34,500	+16,000
27	MAUI SPACE SURVEILLANCE SYSTEM (MSSS)	5,848	5,848	50,848	+45,000	+45,000

28	MULTI-DISCIPLINARY ADVANCED DEVELOPMENT SPACE TECH	53,437	55,437	56,437	+3,000	+1,000
29	CONVENTIONAL WEAPONS TECHNOLOGY	18,660	30,160	21,960	+3,300	−8,200
30	ADVANCED WEAPONS TECHNOLOGY	26,955	43,455	38,955	+12,000	−4,500
31	ENVIRONMENTAL ENGINEERING TECHNOLOGY	.....	.....	2,700	+2,700	+2,700
32	C3I ADVANCED DEVELOPMENT	30,125	41,325	39,225	+9,100	−2,100
33	SPECIAL PROGRAMS	280,135	280,135	280,135	.....	.....
35	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM	5,801	5,801	5,801	.....	.....
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	787,646	956,446	952,996	+165,350	−3,450
	DEMONSTRATION & VALIDATION					
39	INTELLIGENCE ADVANCED DEVELOPMENT	4,580	4,580	4,580	.....	.....
40	PHYSICAL SECURITY EQUIPMENT	21,937	22,937	21,937	.....	−1,000
41	NAVSTAR GLOBAL POSITIONING SYSTEM III	87,364	87,364	87,364	.....	.....
42	ADVANCED EHF MILSATCOM (SPACE)	665,257	665,257	665,257	.....	.....
43	POLAR MILSATCOM (SPACE)	2,185	2,185	2,185	.....	.....
45	SPACE CONTROL TECHNOLOGY	14,205	14,205	16,205	+2,000	+2,000
46	COMBAT IDENTIFICATION TECHNOLOGY	51,893	51,893	51,893	.....	.....
47	NATO RESEARCH AND DEVELOPMENT	3,973	3,973	3,973	.....	.....
48	INTERNATIONAL SPACE COOPERATIVE R&D	574	574	574	.....	.....
49	TRANSFORMATIONAL SATCOM (TSAT)	835,769	436,769	585,769	−250,000	+149,000
50	INTEGRATED BROADCAST SERVICE (DEM/VAL)	15,344	15,344	15,344	.....	.....
51	INTERCONTINENTAL BALLISTIC MISSILE (DEM/VAL)	44,672	63,672	44,672	.....	−19,000
52	WIDEBAND GAPFILLER SYSTEM RDT&E (SPACE)	93,858	93,858	93,858	.....	.....
53	SPACE-BASED RADAR (DEM/VAL)	225,839	100,000	100,000	−125,839	.....
54	POLLUTION PREVENTION (DEM/VAL)	2,735	11,235	4,235	+1,500	−7,000
55	JOINT PRECISION APPROACH AND LANDING SYSTEMS (DEM/VAL)	11,211	11,211	11,211	.....	.....
56	NEXT GENERATION BOMBER	25,135	25,135	25,135	.....	.....
57	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS)	.....	4,000	.....	.....	−4,000
58	J-UCAS ADVANCED COMPONENT & PROTOTYPE	272,300	272,300	72,300	−200,000	−200,000
60	OPERATIONALLY RESPONSIVE LAUNCH	23,480	36,980	36,480	+13,000	−500
61	COMMON AERO VEHICLE (CAV)	27,394	27,394	27,394	.....	.....
62	ADVANCED COMMUNICATIONS SYSTEMS	969	969	2,269	+1,300	+1,300
63	NATIONAL POLAR-ORBITING OPERATIONAL ENVIRONMENTAL SATE	323,665	323,665	323,665	.....	.....
	TOTAL, DEMONSTRATION & VALIDATION	2,754,339	2,275,500	2,196,300	−558,039	−79,200
	ENGINEERING & MANUFACTURING DEVELOPMENT					
64	GLOBAL BROADCAST SERVICE (GBS)	18,283	20,283	18,283	.....	−2,000
65	JOINT HELMET MOUNTED CUEING SYSTEM (JHMCS)	2,912	2,912	2,912	.....	.....
66	NUCLEAR WEAPONS SUPPORT	15,154	15,154	12,712	−2,442	−2,442

[In thousands of dollars]

	Item	2006 budget estimate	House allowance	Committee recommendation	Change from—	
					Budget estimate	House allowance
67	B-1B	132,496	95,296	137,496	+5,000	+42,200
68	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING	8,593	8,593	8,593	.....	.....
69	F-22—EMD	76,203	76,203	76,203	.....	.....
70	B-2 ADVANCED TECHNOLOGY BOMBER	285,205	305,205	285,205	.....	−20,000
71	ELECTRONIC WARFARE DEVELOPMENT	82,587	93,087	91,087	+8,500	−2,000
72	JOINT TACTICAL RADIO	124,225	33,225	99,225	−25,000	+66,000
73	PHYSICAL SECURITY EQUIPMENT	11,153	11,153	11,153	.....	.....
74	SMALL DIAMETER BOMB (SDB) EMD	85,988	65,988	62,438	−23,550	−3,550
75	COUNTERSPACE SYSTEMS	24,651	24,651	31,651	+7,000	+7,000
76	AIRBORNE ELECTRONIC ATTACK	120,985	120,985	120,985	.....	.....
77	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD	756,630	756,630	656,630	−100,000	−100,000
79	MUNITIONS DISPENSER DEVELOPMENT	21,738	6,038	21,738	.....	+15,700
80	ARMAMENT/ORDNANCE DEVELOPMENT	7,786	7,786	7,786	.....	.....
81	SUBMUNITIONS	5,475	5,475	5,475	.....	.....
82	AGILE COMBAT SUPPORT	10,173	12,673	10,173	.....	−2,500
84	LIFE SUPPORT SYSTEMS	7,315	14,115	14,315	+7,000	+200
85	COMBAT TRAINING RANGES	6,122	10,122	6,122	.....	−4,000
86	INTEGRATED COMMAND & CONTROL APPLICATIONS (IC2A)	161	20,161	11,161	+11,000	−9,000
87	INTELLIGENCE EQUIPMENT	1,369	3,369	1,369	.....	−2,000
89	COMMON LOW OBSERVABLES VERIFICATION SYSTEM (CLOVERS)	8,692	8,692	8,692	.....	.....
90	JOINT STRIKE FIGHTER (JSF)	2,474,763	2,474,763	2,328,763	−146,000	−146,000
91	INTERCONTINENTAL BALLISTIC MISSILE—EMD	32,415	32,415	32,415	.....	.....
92	EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE)	26,093	26,093	26,093	.....	.....
93	RDT&E FOR AGING AIRCRAFT	24,384	31,384	50,384	+26,000	+19,000
94	TEST AND EVALUATION SUPPORT	50,000	50,000	50,000	.....	.....
96	LINK-16 SUPPORT AND SUSTAINMENT	157,677	159,677	157,677	.....	−2,000
97	FAMILY OF INTEROPERABLE OPERATIONAL PICTURES (FIOP)	29,296	29,296	29,296	.....	.....
98	E-10 SQUADRONS	397,011	397,011	397,011	.....	.....
99	FULL COMBAT MISSION TRAINING	26,423	26,423	26,423	.....	.....
100	COMBAT SURVIVOR EVADER LOCATOR	.....	.....	17,500	+17,500	+17,500
101	CV-22	39,532	41,532	39,532	.....	−2,000
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	5,071,490	4,986,390	4,856,498	−214,992	−129,892
	RDT&E MANAGEMENT SUPPORT					
102	THREAT SIMULATOR DEVELOPMENT	32,546	32,546	32,546	.....	.....

103	MAJOR T&E INVESTMENT	55,339	62,739	62,339	+7,000	−400
104	RAND PROJECT AIR FORCE	28,354	28,354	28,354	.....	.....
105	RANCH HAND II EPIDEMIOLOGY STUDY	4,188	4,188	4,188	.....	.....
107	INITIAL OPERATIONAL TEST & EVALUATION	34,615	34,615	34,615	.....	.....
108	TEST AND EVALUATION SUPPORT	642,665	644,665	642,665	.....	−2,000
109	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	13,773	27,273	26,773	+13,000	−500
110	SPACE TEST PROGRAM (STP)	48,157	48,157	48,157	.....	.....
111	FACILITIES RESTORATION & MODERNIZATION—TEST & EVAL	60,561	62,561	60,561	.....	−2,000
112	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT	26,238	31,238	26,238	.....	−5,000
114	GENERAL SKILL TRAINING	331	331	331	.....	.....
117	INTERNATIONAL ACTIVITIES	3,739	3,739	3,739	.....	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	950,506	980,406	970,506	+20,000	−9,900
	OPERATIONAL SYSTEMS DEVELOPMENT					
118	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY	7,827	7,827	7,827	.....	.....
120	B-52 SQUADRONS	22,784	30,784	22,784	.....	−8,000
121	ADVANCED CRUISE MISSILE	1,989	1,989	1,989	.....	.....
122	AIR-LAUNCHED CRUISE MISSILE (ALCM)	2,250	2,250	2,250	.....	.....
123	STRAT WAR PLANNING SYSTEM—USSTRATCOM	29,134	29,134	29,134	.....	.....
124	NIGHT FIST—USSTRATCOM	5,013	5,013	5,013	.....	.....
125	ADVANCED STRATEGIC PROGRAMS	9,875	9,875	9,875	.....	.....
126	REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION	18,237	18,237	18,237	.....	.....
127	WARFIGHTER RAPID ACQUISITION PROCESS (WRAP) RAPID TRAN	30,093	30,093	17,193	−12,900	−12,900
129	A-10 SQUADRONS	51,835	51,835	61,835	+10,000	+10,000
130	F-16 SQUADRONS	155,666	155,666	155,666	.....	.....
131	F-15E SQUADRONS	124,647	145,647	134,147	+9,500	−11,500
132	MANNED DESTRUCTIVE SUPPRESSION	9,394	9,394	9,394	.....	.....
133	F-22 SQUADRONS	403,517	403,517	378,517	−25,000	−25,000
134	F-117A SQUADRONS	13,600	13,600	13,600	.....	.....
135	TACTICAL AIM MISSILES	15,639	15,639	15,639	.....	.....
136	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	33,262	33,262	33,262	.....	.....
137	COMBAT RESCUE AND RECOVERY	113,825	71,825	20,000	−93,825	−51,825
138	AF TENCAP	10,829	13,829	10,829	.....	−3,000
139	SPECIAL EVALUATION PROGRAM	276,219	276,219	276,219	.....	.....
140	COMPASS CALL	4,650	14,650	4,650	.....	−10,000
141	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	153,265	153,265	153,265	.....	.....
142	CSAF INNOVATION PROGRAM	1,737	1,737	2,737	+1,000	+1,000
143	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)	66,997	66,997	66,997	.....	.....
144	AIR AND SPACE OPERATIONS CENTER (AOC)	68,099	68,099	68,099	.....	.....
145	CONTROL AND REPORTING CENTER (CRC)	9,289	19,189	9,289	.....	−9,900

[In thousands of dollars]

	Item	2006 budget estimate	House allowance	Committee recommendation	Change from—	
					Budget estimate	House allowance
146	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)	121,565	121,565	121,565		
147	ADVANCED COMMUNICATIONS SYSTEMS	28,938	28,938	32,438	+3,500	+3,500
148	EVALUATION AND ANALYSIS PROGRAM		3,000			−3,000
149	ADVANCED PROGRAM TECHNOLOGY	300,673	300,673	300,673		
150	THEATER BATTLE MANAGEMENT (TBM) C4I	40,472	40,472	40,472		
151	FIGHTER TACTICAL DATA LINK	122,160	122,160	122,160		
152	BOMBER TACTICAL DATA LINK	144,863	144,863	144,863		
153	C2ISR TACTICAL DATA LINK	14,838	14,838	14,838		
154	COMMAND AND CONTROL (C2) CONSTELLATION	41,071	41,071	41,071		
155	JOINT SURVEILLANCE AND TARGET ATTACK RADAR SYSTEM	78,084	82,084	100,984	+22,900	+18,900
156	SEEK EAGLE	19,510	19,510	19,510		
157	ADVANCED PROGRAM EVALUATION	290,589	290,589	290,589		
158	USAF MODELING AND SIMULATION	30,541	31,541	24,510	−6,031	−7,031
159	WARGAMING AND SIMULATION CENTERS	6,369	6,369	6,369		
160	DISTRIBUTED TRAINING AND EXERCISES	4,222	4,222	4,222		
161	MISSION PLANNING SYSTEMS	138,475	138,475	121,739	−16,736	−16,736
162	INFORMATION WARFARE SUPPORT	15,204	15,204	15,204		
169	E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC)	18,909	21,909	18,909		−3,000
170	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK	57,344	57,344	49,076	−8,268	−8,268
171	INFORMATION SYSTEMS SECURITY PROGRAM	109,292	117,292	112,292	+3,000	−5,000
172	GLOBAL COMBAT SUPPORT SYSTEM	20,555	20,555	20,555		
173	GLOBAL COMMAND AND CONTROL SYSTEM	3,541	13,541	7,741	+4,200	−5,800
174	JOINT COMMAND AND CONTROL PROGRAM (JC2)	5,200	5,200	5,200		
175	MILSATCOM TERMINALS	273,974	273,974	273,974		
177	AIRBORNE SIGINT ENTERPRISE (JMIP)	78,920	78,920	78,920		
179	GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	7,139	7,139	7,139		
180	SATELLITE CONTROL NETWORK (SPACE)	29,143	29,143	34,143	+5,000	+5,000
181	WEATHER SERVICE	28,675	28,675	28,675		
182	AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATC			21,750	+21,750	+21,750
183	AERIAL TARGETS	6,641	6,641	6,641		
185	SECURITY AND INVESTIGATIVE ACTIVITIES	491	491	491		
189	DEFENSE METEOROLOGICAL SATELLITE PROGRAM (SPACE)	3,908	3,908	3,908		
190	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT)	125,778	125,778	125,778		
191	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL)	188,301	188,301	188,301		
193	SPACE WARFARE CENTER	411	411	411		

194	SPACELIFT RANGE SYSTEM (SPACE)	48,854	49,854	48,854	.....	−1,000
195	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (JMIP)	3,618	3,618	3,618	.....	.....
196	DRAGON U-2 (JMIP)	10,158	10,158	10,158	.....	.....
198	AIRBORNE RECONNAISSANCE SYSTEMS	51,769	54,369	51,769	.....	−2,600
199	MANNED RECONNAISSANCE SYSTEMS	8,101	12,601	16,601	+8,500	+4,000
200	DISTRIBUTED COMMON GROUND SYSTEMS	40,402	32,402	40,402	.....	+8,000
201	PREDATOR UAV (JMIP)	61,007	63,507	63,507	+2,500	.....
202	GLOBAL HAWK UAV (JMIP)	308,533	329,733	317,533	+9,000	−12,200
203	NETWORK-CENTRIC COLLABORATIVE TARGET (TIARA)	8,647	8,647	8,647	.....	.....
204	INTELLIGENCE SUPPORT TO INFORMATION WARFARE	978	978	978	.....	.....
205	NCMC—TW/AA SYSTEM	85,222	87,222	64,036	−21,186	−23,186
206	SPACETRACK (SPACE)	151,102	151,102	176,102	+25,000	+25,000
207	NUDET DETECTION SYSTEM (SPACE)	32,783	32,783	32,783	.....	.....
208	SPACE ARCHITECT	12,878	12,878	12,878	.....	.....
209	NASS, IO TECHNOLOGY INTEGRATION & TOOL DEV	15,182	15,182	15,182	.....	.....
210	SHARED EARLY WARNING (SEW)	3,295	3,295	3,295	.....	.....
211	C-130 AIRLIFT SQUADRON	233,028	238,028	238,028	+5,000	.....
212	C-5 AIRLIFT SQUADRONS	226,479	226,479	226,479	.....	.....
213	C-17 AIRCRAFT	165,762	165,762	167,762	+2,000	+2,000
214	C-130J PROGRAM	6,681	6,681	6,681	.....	.....
215	AEROMEDICAL EVACUATION	2,077	2,077	2,077	.....	.....
216	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM)	55,743	55,743	55,743	.....	.....
217	KC-135S	1,498	1,498	1,498	.....	.....
218	KC-10S	13,472	13,472	13,472	.....	.....
219	KC-135 TANKER REPLACEMENT	99,210	99,210	99,210	.....	.....
220	SPECIAL TACTICS/COMBAT CONTROL	2,156	2,156	2,156	.....	.....
221	DEPOT MAINTENANCE (NON-IF)	1,408	1,408	1,408	.....	.....
223	ACQUISITION AND MANAGEMENT SUPPORT	3,404	5,404	3,404	.....	−2,000
224	INDUSTRIAL PREPAREDNESS	36,934	61,934	51,434	+14,500	−10,500
225	LOGISTICS SUPPORT ACTIVITIES	.....	4,000	.....	.....	−4,000
227	LOGISTICS INFORMATION TECHNOLOGY (LOGIT)	44,503	44,503	44,503	.....	.....
228	SUPPORT SYSTEMS DEVELOPMENT	10,316	26,616	27,216	+16,900	+600
229	JOINT NATIONAL TRAINING CENTER	2,924	2,924	2,924	.....	.....
230	OTHER PERSONNEL ACTIVITIES	111	111	111	.....	.....
231	JOINT PERSONNEL RECOVERY AGENCY	978	978	978	.....	.....
233	CIVILIAN COMPENSATION PROGRAM	7,445	7,445	7,445	.....	.....
234	PERSONNEL ADMINISTRATION	16,383	16,383	16,383	.....	.....
235	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT	17,531	17,531	17,531	.....	.....
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	5,786,040	5,903,040	5,766,344	−19,696	−136,696

[In thousands of dollars]

	Item	2006 budget estimate	House allowance	Committee recommendation	Change from—	
					Budget estimate	House allowance
999	CLASSIFIED PROGRAMS	6,069,810	6,183,866	5,730,796	−339,014	−453,070
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, AF	22,612,351	22,664,868	21,859,010	−753,341	−805,858

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
1	DEFENSE RESEARCH SCIENCES	223,894	242,744	+18,850
	Corrosion Protection of Aluminum Alloys Used in Aircraft			+2,000
	Hypersonic Research			+4,000
	Nanophotonic Comoponents			+2,500
	Network Information and Space Security			+4,600
	Non-lethal Stunning/Immobilizing Weapons			+750
	Virtual Operation for Unmanned Aerial Vehicles			+5,000
2	UNIVERSITY RESEARCH INITIATIVES	105,029	111,029	+6,000
	21st Century Information Operations Workforce			+1,500
	Military Logistics Readiness			+1,000
	Secure and Assured Information Sharing			+3,500
3	HIGH ENERGY LASER RESEARCH INITIATIVES	11,894	12,594	+700
	Landscape Operational and Knowledge-based Characterization			+700
4	MATERIALS	74,156	126,756	+52,600
	Adv Materials Deposition for Semiconductor Nanostructures			+1,400
	Adv Manufacturing Technologies for Metals, Composites, Materials			+1,000
	Air Force Minority Leaders Program			+5,000
	Carbon Nanostructured Material for Fluid Purification			+10,000
	Complex Composite Structures for Manned-Unmanned Air Vehicles			+2,000
	Innovative Process for Continuous Fabrication of Carbon Nanotube Membranes			+2,500
	Domestic High Modulus PAN Carbon Fiber Qualification			+2,500
	Durable Hybrid Coatings for Aircraft Systems			+1,000
	Engineered Optical Materials for High Energy Laser Development			+2,200
	Nanoparticle Materials Coatings Research			+1,000
	Safer Nanomaterials and Nanomanufacturing			+3,500
	Strategic Partnership for Research in Nanotechnology			+15,000
	Thermal Sprays for Structural Blast Mitigation			+3,000
	Minority LEADERS Research Program (see also Aerospace Sensors)			+2,500
5	AEROSPACE VEHICLE TECHNOLOGIES	96,679	104,679	+8,000
	Sentient Adaptive Systems Tech for Vehicle Condition-based Maintenance			+2,000
	Unmanned Systems Initiative at AMRDEC			+5,000
	WBI—Characterization of Airborne Environment for Tactical Lasers			+1,000
6	HUMAN EFFECTIVENESS APPLIED RESEARACH	79,442	106,842	+27,400
	Bacterial Ghost Vaccine for Influenza Virus			+1,000
	Component Object Model Attitude Control System Simulation/Trainer			+4,500
	Fused Carbon Nanotube Material for Fluid Purification			+3,500
	Nanoparticles Directed by DNA Capture Elements			+1,000
	Solid Electrolyte Oxygen Separator			+6,900
	Warfighter Pocket XP Project			+6,500
	Warfighter Sustainability: Maximizing Human Performance			+4,000
7	AEROSPACE PROPULSION	107,523	119,523	+12,000
	Affordable Lightweight Power Supply Development			+2,500
	Integrated Power and Aircraft Technologies (INPACT)			+7,500
	Portable Power Source for Battlefield Air Operation Kit			+2,000
8	AEROSPACE SENSORS	93,263	120,463	+27,200
	Minority LEADERS Research Program (see also Materials)			+2,500
	Advanced Sensor-based Vigilance Technologies			+1,300
	Small Dissadvantage Business, Historically Black Colleges and Universities			+8,000
	Super-resolution Sensor System (S3)			+5,400

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
	3-D Packaging for High Speed RF Communication			+4,000
	Watchkeeper			+6,000
9	MULTI–DISCIPLINARY SPACE TECHNOLOGY	81,339	92,639	+11,300
	Space Qualification of the Common Data Link			+5,300
	Universal Small Launch Vehicle			+6,000
10	SPACE TECHNOLOGY	84,540	106,640	+22,100
	HAARP			+4,000
	Consortium for Autonomous Satellite Systems (CASS)			+1,500
	Deployable Structures Experiement			+3,800
	Elastic Memory Composite Material			+2,500
	Integrated Control for Autonomous Space Systems			+1,000
	Large Aperture Deployable Structure Systems for Space			+3,300
	Nano-reinforced Structures and Multi-functional Space Structures			+4,000
	National Security Research—Signature Exploitation			+2,000
11	CONVENTIONAL MUNTIONS	58,058	62,058	+4,000
	Advanced Energy Technology for Munitions—Dominator Program			+4,000
12	DIRECTED ENERGY TECHNOLOGY	37,709	38,709	+1,000
	Adaptive Optics Lasercom			+1,000
13	COMMAND CONTROL AND COMMUNICATIONS	93,316	95,216	+1,900
	Cyber Situational Awareness			+1,900
16	ADVANCED MATERIALS FOR WEAPON SYSTEMS	36,714	60,214	+23,500
	Hydrothermal Oxidation			+2,000
	Advanced Composite Processes for UAV Components			+1,000
	Assessing Aging Military Aircraft			+3,000
	Hybrid Bearings			+2,000
	Materials Integrity Management Research for Air Force Systems			+1,000
	Metals Affordability Initiative (MAI)			+7,000
	Stealth RAM Coatings			+3,500
	Titanium Honeycomb Sandwich and Composite Structures Design			+4,000
19	AEROSPACE TECHNOLOGY DEV/DEMO	25,133	29,633	+4,500
	WBI—Capabilities Analysis Phase 2			+3,500
	Hybrid Radio Frequency—Optical Communications Terminal			+1,000
20	AEROSPACE PROPULSION AND POWER TECHNOLOGY	77,268	94,768	+17,500
	More Electric Technology for Mission Critical Power Systems			+3,000
	VAATE Advanced Supersonic Cruise Missile Engine			+10,000
	Versatile Affordable Advanced Turbine Engines—5K—7K Thrust Category			+2,500
	X–43C Development			+2,000
22	ELECTRONIC COMBAT TECHNOLOGY	23,923	30,423	+6,500
	Advanced Threat Alert ATD—Technology Insertion			+2,000
	Affordable Visible Missile Warning System			+3,500
	Infrared Coutnermeasures Electronics Improvement Program			+1,000
23	BALLISTIC MISSILE TECHNOLOGY		3,750	+3,750
	Pacific Ballistic Missile Technology Program			+1,500
	P-Net			+2,250
26	ADVANCED SPACECRAFT TECHNOLOGY	60,915	95,415	+34,500
	AC Coupled Interconnect (ACCI)			+3,000
	Beta Energy Cells for Defense Applications			+6,000
	Intelligent Free Space Optical Satellite Communication Node			+3,000
	Integrated Spacecraft Engineering Tool			+1,000
	Large Automated Production of Expandable Launch Structure			+4,500
	Magnetic Random-Access Memory Communications Materials			+1,000
	Microsatellite Serial Manufacturing			+2,000
	Systematic Approach to Radiation Hardened Electronics (SHARE)			+4,000
	Thin Film Amorphous Solar Arrays			+10,000
27	MAUI SPACE SURVEILLANCE SYSTEM (MSSS)	5,848	50,848	+45,000
	High Accuracy Network Determination System (HANDS)			+10,000
	MSSS Operations & Research			+25,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
	PanSTARRS			+10,000
28	MULTI-DISCIPLINARY ADVANCED DEVELOPMENT SPACE TECHNOLOGY	53,437	56,437	+3,000
	Aerospace Relay Mirror System			+3,000
29	CONVENTIONAL WEAPONS TECHNOLOGY	18,660	21,960	+3,300
	High Speed Strike Weapon (HSSW)			+3,300
30	ADVANCED WEAPONS TECHNOLOGY	26,955	38,955	+12,000
	Applications of LIDAR to Vehicles with Analysis (ALVA)			+7,000
	High Brightness Laser Diode Source for Fiber Laser Pumps			+3,500
	Satellite Active Imaging National Testbed Program			+1,500
31	ENVIRONMENTAL ENGINEERING TECHNOLOGY		2,700	+2,700
	MPOI for Battlesplace Information Exchange			+2,700
32	C3I ADVANCED DEVELOPMENT	30,125	39,225	+9,100
	Enable Network Centeric Warfare			+3,200
	Massively Parallel Optical Interconnects for Battlespace Datacom			+1,900
	Net-Centric Dissimilar Data Fusion Program			+4,000
45	SPACE CONTROL TECHNOLOGY	14,205	16,205	+2,000
	Multifunctional Daytime Optical System			+2,000
49	TRANSFORMATIONAL SATCOM (TSAT)	835,769	585,769	−250,000
	Technology Maturation Delays			−250,000
53	SPACE-BASED RADAR	225,839	100,000	−125,839
	Space Radar Excessive Program Growth			−125,839
54	POLLUTION PREVENTION	2,735	4,235	+1,500
	O2 Diesel Particulate Emissions Reduction Research Project			+1,500
58	JOINT UNMANNED COMBAT AIR SYSTEMS (J–UCAS) ADVANCED COMPONENT AND PROTOTYPE DEVELOPMENT	272,300	72,300	−200,000
	J–UCAS Requirement Uncertainty			−200,000
60	OPERATIONALLY RESPONSIVE LAUNCH	23,480	36,480	+13,000
	Near Space Analysis and Program Development			+3,500
	Tactical Satellite Demonstrations			+9,500
62	ADVANCED COMMUNICATIONS SYSTEMS	969	2,269	+1,300
	Massively Parallel Optical Interconnects for MicroSatellite Datacom			+1,300
66	NUCLEAR WEAPONS SUPPORT	15,154	12,712	−2,442
	Robust Nuclear Earth Penetrator			−2,442
67	B–1B	132,496	137,496	+5,000
	B–1 Secure Digital Communications Improvement			+5,000
71	ELECTRONIC WARFARE DEVELOPMENT	82,587	91,087	+8,500
	AN/ALR–69A Radar Warning Transfer			+8,500
72	JOINT TACTICAL RADIO	124,225	99,225	−25,000
	Delay Milestone B Due to Cluster 1 Challenges			−25,000
74	SMALL DIAMETER BOMB (SDB)	85,988	62,438	−23,550
	Delay for Contract Competition			−23,550
75	COUNTERSPACE SYSTEMS	24,651	31,651	+7,000
	Space Control Test Capabilities			+7,000
77	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD	756,630	656,630	−100,000
	Excessive Program Growth Given Nunn-McCurdy Breach			−100,000
84	LIFE SUPPORT SYSTEMS	7,315	14,315	+7,000
	Enhanced Quick Donning Oxygen Mask			+5,000
	MBU–23 Oxygen Mask, Visor, Microphone			+2,000
86	INTEGRATED COMMAND & CONTROL APPLICATIONS (IC2A)	161	11,161	+11,000
	Asset eWing Program			+5,000
	Distributed Mission Interoperability Toolkit (DMIT)			+6,000
90	JOINT STRIKE FIGHTER (JSF)	2,474,763	2,328,763	−146,000
	Excessive Program Risk Remains Prior to CDR			−146,000
93	RDT&E FOR AGING AIRCRAFT	24,384	50,384	+26,000
	Aging Aircraft Structural Repair Facility Study			+1,000
	Aging Landing Gear Life Extension (ALGLE)			+7,000
	Aging Military Aircraft Fleet Support			+6,000
	Improved Fleet Readiness and 3-D Modeling			+3,500
	In-Flight Propeller Balancing System (IPBS)			+1,500
	Lean Depot Engine Repair (LEADER)			+1,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
	Productivity Improvements for Landing Gear Overhall Technologies			+6,000
100	COMBAT SURVIVOR EVADER LOCATOR		17,500	+17,500
	CSEL transfer from OPAF for Development of TAC/TAG			+17,500
103	MAJOR T&E INVESTMENT	55,339	62,339	+7,000
	FPS–16 Radar Mobilization and Upgrade			+1,000
	Holloman High Speed Test Track Upgrade			+6,000
109	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	13,773	26,773	+13,000
	Ballistic Missile Range Safety Technology (BMRST)			+13,000
127	WARFIGHTER RAPID ACQUISITION PROCESS (WRAP) RAPID TRANSITION FUND	30,093	17,193	−12,900
	Program Underexecution			−12,900
129	A–10 SQUADRONS	51,835	61,835	+10,000
	A–10 Propulsion Upgrade			+10,000
131	F–15E SQUADRONS	124,647	134,147	+9,500
	F–15 BOL Pilot Vehicle Interface			+9,500
133	F/A–22 SQUADRONS	403,517	378,517	−25,000
	Program Underexecution			−25,000
137	COMBAT RESCUE AND RECOVERY	113,825	20,000	−93,825
	Personnel Recover Vehicle Contract Award Delay, Transfer to APAF			−93,825
142	CSAF INNOVATION PROGRAM	1,737	2,737	+1,000
	Command Responder			+1,000
147	ADVANCED COMMUNICATIONS SYSTEMS	28,938	32,438	+3,500
	Adaptive Joint C4ISR Node (AJCN) Security Certification			+3,500
155	JOINT SURVEILLANCE/TARGET ATTACK RADAR SYSTEM (JSTARS)	78,084	100,984	+22,900
	E–8C Joint Stars Re-Engine Initiative			+10,000
	Joint STARS Advanced Radar Modes (ARM)			+12,900
158	USAF MODELING AND SIMULATION	30,541	24,510	−6,031
	Excessive Program Growth			−6,031
161	MISSION PLANNING SYSTEMS	138,475	121,739	−16,736
	Milestone Decision Delay			−16,736
170	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN)	57,344	49,076	−8,268
	Program Under Execution and Excessive Program Growth			−8,268
171	INFORMATION SYSTEMS SECURITY PROGRAM	109,292	112,292	+3,000
	Homeland Defense and Civil Support Threat Information Collection			+1,000
	Infrastructure Assurance and Security			+2,000
173	GLOBAL COMMAND AND CONTROL SYSTEM	3,541	7,741	+4,200
	Applied Research in Computing Enterprise Services (ARCES)			+4,200
180	SATELLITE CONTROL NETWORK (SPACE)	29,143	34,143	+5,000
	Civil Reserve Space Service (CRSS) Initiative			+5,000
182	AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCALS)		21,750	+21,750
	242 ATAS ANG Mobile Approach Control System (MACS)			+17,250
	Transportable Transponder Landing System			+4,500
199	MANNED RECONNAISSANCE SYSTEMS (JMIP)	8,101	16,601	+8,500
	Combat Sent Tactical ELINT System Modernization			+3,500
	Rivet Joint Reachback			+5,000
201	PREDATOR UAV (JMIP)	61,007	63,507	+2,500
	Small, Tactical UAVs for Intel, Comms, and Atmospheric Data			+2,500
202	GLOBAL HAWK UAV (JMIP)	308,533	317,533	+9,000
	Global Hawk Growth Engine			+9,000
205	NCMC—TW/AA SYSTEM	85,222	64,036	−21,186
	Combatant Cdrs Integrated C2 System Program Spiral Delays			−21,186
206	SPACETRACK (SPACE)	151,102	176,102	+25,000
	AF Space Surveillance System S Band Sensor			+10,000
	Space Based Space Surveillance			+15,000
211	C–130J PROGRAM	233,028	238,028	+5,000
	Automated Inspection, Repair, Corrosion, and Tracking (AIRCAT)			+2,500
	Real-Time Measurement Weight and Balance System			+2,500
213	C–17 AIRCRAFT (IF)	165,762	167,762	+2,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
	C–17 Engine Vibration Monitoring System			+2,000
224	INDUSTRIAL PREPAREDNESS	36,934	51,434	+14,500
	Nanomaterial Manufacturing and Military Application			+4,000
	Supply Chain Optimization Universal Tool Kit			+2,000
	WBI—RFID Collaboration Initiative			+8,500
228	SUPPORT SYSTEMS DEVELOPMENT	10,316	27,216	+16,900
	C–17 Aging Aircraft Logistics Management Program			+5,000
	Commodity Management Systems Consolidation Program			+2,000
	Heavy Duty Hybrid Electric			+3,500
	Teleoperated Semi-autonomous Robot for Aging Aircraft Maintenance			+1,500
	Warner Robins Aging Aircraft			+4,900

Space Research and Development Programs.—The U.S. Air Force is responsible for the development, fabrication, launch, control, and management of very complex satellite systems that are vital to national defense and security of the Nation. The service has a proud and rich history of successful satellite development and fielding that have had profound improvements in the military capabilities of the United States. Further, industry, the Federally Funded Research and Development Centers, and the many system engineering firms that support space programs are partners with the Air Force in the successful fielding of these systems. Unfortunately, fewer systems can be shown to be successful in cost, schedule, and performance criteria; and more systems are experiencing significant technical and cost challenges which impact schedule and performance expectations. Schedule delays increase the risk of gaps in strategic capabilities and cost overruns take needed funding from other key systems such as new fighter aircraft, combat vehicles, and combatant ships. The 2003 Defense Science Board [DSB] task force ("Young Report") and 1-year follow-up report document a series of fundamental shortcomings with space acquisition that have received wide recognition and support. Thus, the Committee strongly encourages the Air Force to continue the implementation of needed changes in space acquisition that will lead to the fielding of satellite systems noted for being on time, on budget and capable of providing needed capability to the Nation. The Committee directs the Air Force to provide its plan to improve space acquisition and re-establish the proud legacy of successful satellite development and fielding not later then January 31, 2006.

Maui Space Surveillance System [MSSS]/AMOS.—The Committee recommends an increase of $25,000,000 over the President's budget request for sustainment and investment in new technologies and initiatives, and research and development activities at MSSS. The Committee is concerned that the Air Force will apply taxes to MSSS programs at excessive rates for lab overhead, and directs the Air Force to base its overhead charges only on the amount requested. None of the increases provided here shall be subject to Air Force taxes or withholds. Furthermore, research funds should be allocated by Air Force officials on-site to local programs that offer the greatest potential return and merit.

Transformational SATCOM [TSAT].—The Committee supports the Defense Department's concept for global high-speed commu-

nications, and recognizes the value of TSAT to world-wide military operations. However, the Committee is concerned about the state of technical maturity for the key subsystems. Although progress is being made, certain key subsystems are now not expected to reach adequate maturity, Technology Readiness Level [TRL] 6, until late fiscal year 2006. These include the processor-router and the laser communications capabilities. Thus, the Committee is concerned about the system's readiness for System Design Review scheduled for 3rd Quarter, fiscal year 2006. Given these technical concerns along with the constrained funding environment and priority to support the on-going Global War on Terror, the Committee is not able to support a significant increase to the TSAT program, and recommends a program reduction of $250,000,000.

In addition, the Committee directs the Department of Defense to conduct a review to (1) determine whether a fourth Advanced Extremely High Frequency [AEHF] satellite will be required, (2) whether additional AEHF satellites beyond four, will be required if TSAT continues to be delayed, and (3) whether it is feasible, taking into consideration cost, risk, contract requirements, and other factors, to insert advanced capabilities for an enhanced AEHF satellite. Given the Defense Department's stated acquisition policy to evolve capabilities into systems, the Committee encourages the Department to pursue this policy with AEHF, if the study findings support this approach.

Therefore, of the remaining $585,769,000 for TSAT, the Committee directs that $150,000,000 be restricted pending the Department of Defense's decision to build a fourth AEHF satellite. In the event the Department determines a fourth AEHF is required, the $150,000,000 shall be available for advance procurement and research and development activities in support of the fourth AEHF. In the event the Defense Department determines a fourth AEHF is not required, the $150,000,000 shall be available to support expanded system development and maturation of the key TSAT technologies.

Space Radar.—The Committee supports a space radar capability. Such a satellite system could offer significantly improved strategic, operational, and tactical level intelligence information in support of national requirements and military operations. The Committee also commends the Department for its emphasis this fiscal year on system engineering and technology risk reduction. However, the Space Radar program is in need of a clear acquisition plan, to include defining the proposed system and an affordable and credible life cycle cost projection. The Committee recognizes the difficulty in projecting costs at this point in the program's development schedule, but the current projections based on a large constellation are very high and bring into question the program's affordability. Thus, the Committee is not prepared to support significant increases to the program and therefore recommends a reduction of $125,839,000 to the program. The resulting program of $100,000,000 still provides for expanded efforts to support continued concept development and technology maturation.

Space Based Infrared System [SBIRS].—In recognition of the recent Nunn-McCurdy breach and the requirement for the Department of Defense to review other alternatives, prepare a new pro-

gram baseline with a new cost estimate, and to implement any needed management changes, the Committee does not agree the program is prepared for a 27 percent increase in funding. Therefore, the Committee recommends a program reduction of $100,000,000.

Joint Unmanned Combat Air Systems [J–UCAS].—The Committee is concerned over fluctuations in the J–UCAS program, to include changes in its concept of operations, Service ownership, and incompatibility of Navy and Air Force requirements. The Committee recommends a reduction of $200,000,000 and directs the Department of Defense to conduct an independent study to objectively review the J–UCAS program, its costs and requirements; and assess whether other unmanned aerial vehicle programs are able to meet the requirement at an overall savings to the U.S. Government. The review and assessment should be provided to the congressional defense committees not later than February 15, 2006.

Small Diameter Bomb.—The Committee notes that the Air Force prepared its budget estimate prior to the decision to compete rather than sole-source Increment II of the Small Diameter Bomb. A delay in contract award is expected in order to provide adequate time for review, contract negotiation and contract award of the Increment II program. Therefore, the Committee recommends a reduction of $23,550,000.

Combat Rescue and Recovery.—The Committee recognizes the importance of beginning the process of replacing the Air Force fleet of Combat Search and Rescue helicopters due to the failing readiness and operational limitations of the current fleet of helicopters. In recognition of the need to expedite procurement, the Committee transfers $75,000,000 to the "Aircraft Procurement, Air Force" appropriation and retains $20,000,000 for minimal essential research and development activities for Air Force unique requirements. The Committee believes that a search and rescue capability is needed by the field sooner rather than later and thus directs the Air Force to proceed to a commercial-off-the-shelf solution in accordance with Federal regulations.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE

Appropriations, 2005	$20,983,624,000
Budget estimate, 2006	18,803,416,000
House allowance	19,514,530,000
Committee recommendation	19,301,618,000

The Committee recommends an appropriation of $19,301,618,000. This is $498,202,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

	Item	2006 budget estimate	House allowance	Committee recommendation	Change from—	
					Budget estimate	House allowance
	RESEARCH, DEVELOPMENT, TEST & EVAL, DW					
	BASIC RESEARCH					
1	DEFENSE RESEARCH SCIENCES	130,090	136,090	136,590	+6,500	+500
2	GOVERNMENT/INDUSTRY COSPONSORSHIP OF UNIVERSITY RESEAR	.....	12,000	4,000	+4,000	−8,000
3	DEFENSE EXPERIMENTAL PROGRAM TO STIMULATE COMPETITIVE	9,164	9,164	13,164	+4,000	+4,000
4	NATIONAL DEFENSE EDUCATION PROGRAM	10,282	10,282	10,282	.....	.....
5	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	72,533	101,533	83,383	+10,850	−18,150
	TOTAL, BASIC RESEARCH	222,069	269,069	247,419	+25,350	−21,650
	APPLIED RESEARCH					
6	INSENSITIVE MUNITIONS—EXPLORATORY DEVELOPMENT	5,176	5,176	7,176	+2,000	+2,000
7	MEDICAL FREE ELECTRON LASER	9,845	9,845	21,845	+12,000	+12,000
8	HISTORICALLY BLACK & HISPANIC SERVNG INSTITU SCIENCES	13,887	17,387	15,887	+2,000	−1,500
9	LINCOLN LABORATORY RESEARCH PROGRAM	29,914	29,914	29,914	.....	.....
12	INFORMATION AND COMMUNICATIONS TECHNOLOGY	198,831	198,831	198,831	.....	.....
13	COGNITIVE COMPUTING SYSTEMS	200,799	200,799	145,799	−55,000	−55,000
14	BIOLOGICAL WARFARE DEFENSE	145,354	149,454	147,854	+2,500	−1,600
15	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	187,787	251,487	229,637	+41,850	−21,850
16	TACTICAL TECHNOLOGY	361,562	363,562	336,362	−25,200	−27,200
18	MATERIALS AND BIOLOGICAL TECHNOLOGY	294,188	294,588	281,688	−12,500	−12,900
19	WMD DEFEAT TECHNOLOGY	206,487	208,487	206,487	.....	−2,000
20	ELECTRONICS TECHNOLOGY	241,736	244,236	241,736	.....	−2,500
21	WMD DEFENSE TECHNOLOGIES	106,708	112,708	106,708	.....	−6,000
23	SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT	13,595	38,095	21,595	+8,000	−16,500
24	SOF MEDICAL TECHNOLOGY DEVELOPMENT	2,215	2,215	2,215	.....	.....
	TOTAL, APPLIED RESEARCH	2,018,084	2,126,784	1,993,734	−24,350	−133,050
	ADVANCED TECHNOLOGY DEVELOPMENT					
26	SO/LIC ADVANCED DEVELOPMENT	34,529	52,029	36,529	+2,000	−15,500
27	COMBATING TERRORISM TECHNOLOGY SUPPORT	55,301	116,551	69,301	+14,000	−47,250
28	COUNTERPROLIFERATION ADVANCED DEVELOPMENT TECHNOLOGIES	96,143	99,643	107,143	+11,000	+7,500
29	BALLISTIC MISSILE DEFENSE TECHNOLOGY	136,241	128,385	125,647	−10,594	−2,738
30	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT	25,102	25,102	25,102	.....	.....
32	ADVANCED AEROSPACE	75,866	77,866	58,466	−17,400	−19,400

33	SPACE PROGRAMS AND TECHNOLOGY	223,811	223,811	213,811	−10,000	−10,000
34	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEV	164,481	212,881	227,981	+63,500	+15,100
36	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS	35,000	35,000	35,000		
37	SPECIAL TECHNICAL SUPPORT			2,000	+2,000	+2,000
39	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS	22,360	56,780	73,360	+51,000	+16,580
40	DISTRIBUTION PROCESS OWNER TECH. DEV. & IMPLEMENTATION	10,000	10,000	10,000		
41	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM	64,101	68,101	78,101	+14,000	+10,000
	MICROELECTRONIC TECHNOLOGY DEVELOPMENT AND SUPPORT		118,500			−118,500
42	JOINT WARFIGHTING PROGRAM	10,205	10,205	10,205		
43	ADVANCED ELECTRONICS TECHNOLOGIES	214,378	217,378	223,878	+9,500	+6,500
44	ADVANCED CONCEPT TECHNOLOGY DEMONSTRATIONS	163,649	177,849	169,849	+6,200	−8,000
45	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	189,747	200,247	213,247	+23,500	+13,000
46	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	216,408	216,408	216,408		
49	LAND WARFARE TECHNOLOGY	139,100	139,100	104,200	−34,900	−34,900
50	CLASSIFIED DARPA PROGRAMS	162,534	162,534	162,534		
51	NETWORK-CENTRIC WARFARE TECHNOLOGY	136,899	136,899	131,899	−5,000	−5,000
52	SENSOR TECHNOLOGY	189,452	189,452	171,452	−18,000	−18,000
53	GUIDANCE TECHNOLOGY	103,272	103,272	103,272		
54	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT	14,689	17,189	14,689		−2,500
55	SOFTWARE ENGINEERING INSTITUTE	25,209	28,209	30,209	+5,000	+2,000
57	QUICK REACTION SPECIAL PROJECTS	110,717	110,717	110,717		
58	JOINT WARGAMING SIMULATION MANAGEMENT OFFICE	34,928	34,928	34,928		
59	TEST & EVALUATION SCIENCE & TECHNOLOGY	28,614	28,614	34,614	+6,000	+6,000
60	TECHNOLOGY LINK	3,435	5,435	11,185	+7,750	+5,750
61	CALS INITIATIVE					
62	SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT	104,315	147,915	103,615	−700	−44,300
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	2,790,486	3,151,000	2,908,742	+118,256	−242,258
	DEMONSTRATION & VALIDATION					
63	PHYSICAL SECURITY EQUIPMENT		7,100	9,000	+9,000	+1,900
64	RETRACT LARCH	6,683	6,683	6,683		
65	JOINT ROBOTICS PROGRAM	11,755	24,755	14,755	+3,000	−10,000
66	ADVANCED SENSOR APPLICATIONS PROGRAM	18,275	21,275	26,275	+8,000	+5,000
67	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	30,632	45,332	30,632		−14,700
69	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	1,143,610	1,123,698	1,208,610	+65,000	+84,912
70	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT	3,266,196			−3,266,196	
	BALLISTIC MISSILE DEF GROUNDBASED MIDCOURSE DEF SEG		2,267,070	2,541,657	+2,541,657	+274,587
	BALLISTIC MISSILE DEF SEABASED MIDCOURSE DEF SEGMENT		892,901	930,426	+930,426	+37,525
	MULTIPLE KILL VEHICLES			83,000	+83,000	+83,000
71	BALLISTIC MISSILE DEFENSE BOOST DEFENSE SEGMENT	483,863	464,867	493,863	+10,000	+28,996

[In thousands of dollars]

	Item	2006 budget estimate	House allowance	Committee recommendation	Change from—	
					Budget estimate	House allowance
72	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEM/VAL	100,796	137,596	100,796		−36,800
73	BALLISTIC MISSILE DEFENSE SENSORS	529,829			−529,829	
	BALLISTIC MISSILE DEFENSE SATELLITES		231,358			−231,358
	SPACE SURVEILLANCE & TRACKING SYSTEM			245,536	+245,536	+245,536
	BALLISTIC MISSILE DEFENSE RADARS		289,743	294,293	+294,293	+4,550
74	BALLISTIC MISSILE DEFENSE SYSTEM INTERCEPTOR	229,658	218,749	114,952	−114,706	−103,797
75	BALLISTIC MISSILE DEFENSE TEST & TARGETS	617,456	614,513	624,456	+7,000	+9,943
76	BALLISTIC MISSILE DEFENSE PRODUCTS	455,152	383,604	425,152	−30,000	+41,548
77	BALLISTIC MISSILE DEFENSE SYSTEMS CORE	447,006	404,428	417,006	−30,000	+12,578
78	SPECIAL PROGRAMS—MDA	349,522	349,522	299,522	−50,000	−50,000
	BALLISTIC MISSILE DEFENSE PROGRAM SUPPORT		140,983			−140,983
79	HUMANITARIAN DEMINING	14,305	14,305	14,305		
80	COALITION WARFARE	5,777	5,777	5,777		
81	DEPARTMENT OF DEFENSE CORROSION PROGRAM	5,141	5,141	5,141		
83	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS	3,000	3,000	7,000	+4,000	+4,000
85	REDUCTION OF TOTAL OWNERSHIP COST	24,824	24,824	24,824		
86	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM	3,566	6,066	11,566	+8,000	+5,500
	TOTAL, DEMONSTRATION & VALIDATION	7,747,046	7,683,290	7,935,227	+188,181	+251,937
	ENGINEERING & MANUFACTURING DEVELOPMENT					
87	DEFENSE ACQUISITION CHALLENGE PROGRAM (DACP)	28,975	34,975	28,975		−6,000
88	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—EMD	280,908	290,408	259,408	−21,500	−31,000
89	MANPADS DEFENSE PROGRAM	13,349	19,349	16,349	+3,000	−3,000
90	JOINT ROBOTICS PROGRAM—EMD	13,745	23,745	15,745	+2,000	−8,000
91	ADVANCED IT SERVICES JOINT PROGRAM OFFICE (AITS-JPO)	9,325	9,325	9,325		
92	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	11,075	11,075	11,075		
93	INFORMATION TECHNOLOGY DEVELOPMENT	19,574	19,574	19,574		
94	INFORMATION TECHNOLOGY DEVELOPMENT—STANDARD PROCUREMEN	5,074	5,074	5,074		
95	FINANCIAL MANAGEMENT SYSTEM IMPROVEMENTS	75,987	75,987	80,987	+5,000	+5,000
96	DEFENSE INTEGRATED MILITARY HUMAN RESOURCES SYSTEM	20,322	20,322	45,322	+25,000	+25,000
97	ACQUISITION DOMAIN	3,600	3,600	3,600		
98	TRUSTED FOUNDRY	31,655	31,655	31,655		
99	DEFENSE ACQUISITION EXECUTIVE (DAE) PILOT PROGRAM	1,000	1,000	1,000		
100	DEFENSE MESSAGE SYSTEM	13,367	13,367	13,367		
102	GLOBAL COMBAT SUPPORT SYSTEM	17,952	17,952	17,952		

103	JOINT COMMAND AND CONTROL PROGRAM (JC2)	14,580	15,580	14,580	.....	−1,000
104	ELECTRONIC COMMERCE	6,698	6,698	6,698	.....	.....
106	BMMP DOMAIN MANAGEMENT AND SYSTEMS INTEGRATION	11,802	11,802	11,802	.....	.....
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	578,988	611,488	592,488	+13,500	−19,000
	RDT&E MANAGEMENT SUPPORT					
107	SPECIAL TECHNICAL SUPPORT	19,916	19,916	19,916	.....	.....
109	TRANSFORMATION INITIATIVES PROGRAM	10,152	.....	.....	−10,152	.....
111	CAPITAL ASSET MANAGEMENT SYSTEM—MILITARY EQUIPMENT	4,812	4,812	4,812	.....	.....
112	DEFENSE READINESS REPORTING SYSTEM (DRRS)	13,475	13,475	13,475	.....	.....
113	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT	9,254	11,254	9,254	.....	−2,000
114	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT	128,759	137,759	136,759	+8,000	−1,000
115	THERMAL VICAR	7,278	7,278	7,278	.....	.....
116	TECHNICAL STUDIES, SUPPORT AND ANALYSIS	31,075	33,075	31,075	.....	−2,000
118	USD(A&T)—CRITICAL TECHNOLOGY SUPPORT	1,999	1,999	1,999	.....	.....
121	FOREIGN MATERIAL ACQUISITION AND EXPLOITATION	36,895	36,895	56,895	+20,000	+20,000
123	DEFENSE TRAVEL SYSTEM	20,441	20,441	20,441	.....	.....
124	JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION	81,504	81,504	81,504	.....	.....
125	CLASSIFIED PROGRAM USD(P)	.....	.....	100,000	+100,000	+100,000
126	FOREIGN COMPARATIVE TESTING	35,738	35,738	35,738	.....	.....
127	NUCLEAR MATTERS	12,442	12,442	12,442	.....	.....
128	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION	10,706	11,706	16,706	+6,000	+5,000
129	GENERAL SUPPORT TO USD (INTELLIGENCE)	5,282	5,282	5,282	.....	.....
130	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	81,425	81,425	83,925	+2,500	+2,500
135	CLASSIFIED PROGRAMS—C3I	.....	9,000	10,000	+10,000	+1,000
136	SMALL BUSINESS INNOVATION RESEARCH/CHALLENGE ADMINISTR	1,983	7,983	4,983	+3,000	−3,000
137	DEFENSE TECHNOLOGY ANALYSIS	5,393	5,393	5,393	.....	.....
138	FORCE TRANSFORMATION DIRECTORATE	19,927	71,927	19,927	.....	−52,000
139	DEFENSE TECHNICAL INFORMATION SERVICES (DTIC)	49,969	49,969	49,969	.....	.....
141	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING & EVALUATION	8,853	8,853	8,853	.....	.....
142	DEVELOPMENT TEST AND EVALUATION	8,873	8,873	8,873	.....	.....
143	MANAGEMENT HEADQUARTERS (RESEARCH & DEVELOPMENT) DARP	49,472	49,472	49,472	.....	.....
146	INFORMATION TECHNOLOGY RAPID ACQUISITION	5,580	5,580	5,580	.....	.....
147	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)	13,940	13,940	13,940	.....	.....
149	PENTAGON RESERVATION	17,386	22,386	17,386	.....	−5,000
150	MANAGEMENT HEADQUARTERS—MDA	99,327	99,327	99,327	.....	.....
151	IT SOFTWARE DEV INITIATIVES	1,694	1,694	1,694	.....	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	793,550	869,398	932,898	+139,348	+63,500

[In thousands of dollars]

	Item	2006 budget estimate	House allowance	Committee recommendation	Change from—	
					Budget estimate	House allowance
	OPERATIONAL SYSTEMS DEVELOPMENT					
152	DEFENSE INFORMATION SYSTEM FOR SECURITY (DISS)	16,850	16,850	16,850		
153	PARTNERSHIP FOR PEACE (PFP) INFORMATION MANAGEMENT SYS	5,660	5,660	5,660		
154	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS D	10,093	10,093	10,093		
155	ISLAND SUN	1,570	1,570	1,570		
156	C4I INTEROPERABILITY	65,517	67,517	65,517		−2,000
164	NATIONAL MILITARY COMMAND SYSTEM-WIDE SUPPORT	659	659	659		
165	DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATIO	5,466	5,466	5,466		
166	LONG HAUL COMMUNICATIONS (DCS)	1,470	1,470	1,470		
167	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK	7,438	7,438	7,438		
168	INFORMATION SYSTEMS SECURITY PROGRAM	12,546	12,546	12,546		
169	INFORMATION SYSTEMS SECURITY PROGRAM	462,211	462,211	462,211		
170	DISA MISSION SUPPORT OPERATIONS	3,426	3,426	13,426	+10,000	+10,000
171	C4I FOR THE WARRIOR	3,549	3,549	3,549		
172	C4I FOR THE WARRIOR	6,311	6,311	6,311		
173	GLOBAL COMMAND AND CONTROL SYSTEM	52,331	52,331	52,331		
174	JOINT SPECTRUM CENTER	14,097	14,097	14,097		
176	NET-CENTRIC ENTERPRISE SERVICES (NCES)	79,018	79,018	79,018		
177	TELEPORT PROGRAM	12,180	12,180	7,180	−5,000	−5,000
178	SPECIAL APPLICATIONS FOR CONTINGENCIES	21,116	21,116	21,116		
181	CRITICAL INFRASTRUCTURE PROTECTION (CIP)	11,363	13,363	11,363		−2,000
183	DEFENSE JOINT COUNTERINTELLIGENCE PROGRAM (JMIP)	20,406	20,406	20,406		
189	NET CENTRICITY	8,387	9,387	8,387		−1,000
202	INDUSTRIAL PREPAREDNESS	18,219	36,219	24,719	+6,500	−11,500
203	LOGISTICS SUPPORT ACTIVITIES	2,900	2,900	2,900		
204	MANAGEMENT HEADQUARTERS (OJCS)	5,762	5,762	5,762		
205	NATO JOINT STARS	25,474	25,474	25,474		
207	SPECIAL OPERATIONS AVIATION SYSTEMS ADVANCED DEV	104,330	104,330	104,330		
208	SPECIAL OPERATIONS TACTICAL SYSTEMS DEVELOPMENT	63,513	115,483	80,813	+17,300	−34,670
209	SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT	33,167	53,267	52,167	+19,000	−1,100
210	SOF OPERATIONAL ENHANCEMENTS	66,313	74,213	77,813	+11,500	+3,600
211	CV-22	29,954	29,954	29,954		
212	SPECIAL OPERATIONS AIRCRAFT DEFENSIVE SYSTEMS	38,824	27,324	38,824		+11,500
213	OPS ADVANCED SEAL DELIVERY SYSTEM (ASDS) DEVELOPMENT	2,040	5,040	11,040	+9,000	+6,000

	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	1,212,160	1,306,630	1,280,460	+68,300	−26,170
999	CLASSIFIED PROGRAMS	3,441,033	3,496,871	3,410,650	−30,383	−86,221
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, DW	18,803,416	19,514,530	19,301,618	+498,202	−212,912

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
1	Defense Research Sciences	130,090	136,590	+6,500
	Advanced Materials for Quantum Computing			+4,500
	PBO			+2,000
2	Government/Industry Cosponsorship of University Research		4,000	+4,000
	Infotonics Research			+4,000
3	Defense Experimental Program to Stimulate Competitive Research	9,164	13,164	+4,000
	Additional Funding			+4,000
5	Chemical and Biological Defense Program	72,533	83,383	+10,850
	DNA Safeguard Project—Boise State University			+1,000
	Ricin and Anthrax Countermeasures			+4,000
	Superstructural Particle Evaluation & Characterization with Targeted Reaction Analysis			+1,850
	Vaccine Development Program			+1,000
	Photoscrub			+1,000
	Detection of Biological Agents in Water			+2,000
6	Insensitive Munitions—Exploratory Development	5,176	7,176	+2,000
	Nanomedical Technology Research			+2,000
7	Medical Free Electron Laser	9,845	21,845	+12,000
	Medical Free Electron Laser (MFEL)			+12,000
8	Historically Black Colleges and Universities (HBCU) Science	13,887	15,887	+2,000
	Tribal Colleges—Science Lab and Computer Equipment			+2,000
13	Cognitive Computing Systems	200,799	145,799	−55,000
	Learning, reasoning and Integrated Cognitive Systems			−55,000
14	Biological Warfare Defense	145,354	147,854	+2,500
	Noninvasive Biomodulation System			+2,500
15	Chemical and Biological Defense Program	187,787	229,637	+41,850
	Advanced Emergency Medical Response Training Program			+3,000
	Alternative Delivery Methods for Recombinant Protein Vaccines			+4,700
	Bug-to-Drug Program			+9,000
	Marburg Countermeasures			+6,000
	Multi-purpose Biodefense Immuno Array			+2,000
	Mustard Gas Antidote Research Consortium			+3,000
	Nanotechnology for Detection of Biological Agents			+1,900
	Nanowire Mesh Fabrics for Chem/Bio Defense			+1,600
	Novel Viral Biowarfare Agent ID and Treatment			+5,700
	Portable Chemical/Biological Detection Sensor System			+2,000
	Proteonomics R&D Improved Drugs and Diagnostics Against Biowarfare			+1,500
	Research on a Molecular Approach to Hazardous Materials Decontamination			+1,000
	System for Bacterial Warfare Agent Detection			+450
16	Tactical Technology	361,562	336,362	−25,200
	Home Field			−3,000
	Pre-Conflict Anticipation and Shaping (PCAS)			−4,800
	Combat Zones that See			−7,400
	Walrus			−20,000
	Counter Sniper/RPG Self Protection System			+1,000
	Enhancement of Communications and Telemetry Support Equipment			+2,000
	CEROS			+7,000
18	Materials and Biological Technology	294,188	281,688	−12,500
	Bio-magnetic Interfacing Concepts			−12,000
	Bio-computational Systems			−6,500
	Characterization, Reliability, & Applications of 3-D Microstructures			+3,000
	Strategic Materials			+3,000
23	Special Operations Technology Development	13,595	21,595	+8,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
	Angelfire/FCLAS Full Spectrum Active Protection Close-in Layered Shield			+8,000
26	SO/LIC Advanced Development	34,529	36,529	+2,000
	University Multi-Spectral Laboratory/ASCENT Program			+2,000
27	Combating Terrorism Technology Support	55,301	69,301	+14,000
	Counter-Terrorism Intelligence Surveillance Reconnaissance			+4,000
	Electromagnetic Wave Gradiometer			+3,000
	Fuel Cell Power for Continuity of Operations			+2,000
	Fuel Cell Ground Support Equipment Demo			+5,000
28	Counterproliferation Initiatives—Proliferation Prevention and Defeat	96,143	107,143	+11,000
	DETECTIVE (HPGe) Radiation Portal Monitors			+3,000
	Guardian Glass Scintillation Fiber Radation Detectors			+8,000
29	Ballistic Missile Defense Technology	136,241	125,647	−10,594
	Center for Optical Logic Devices			+1,000
	High Density Power Supplies Using Silicon Carbide			+5,000
	Massively Parallel Optical Interconnects for Microsatellites Applications			+2,600
	Transfer High Altitude Airship to RDA, Line 154A			−16,900
	Advanced RF Technology Development			+4,000
	Multiple-Target-Tracking Optical Sensor-Array Technology (MOST)			+1,000
	Porous Silicon			+1,000
	SiC Thick Film Mirror Coatings			+3,000
	BMD Technology			−25,000
	NFIRE from line 74			+13,706
32	Advanced Aerospace Systems	75,866	58,466	−17,400
	HABIT			−14,000
	Advanced Aernautics Demonstration (CRW and Heliplane)			−5,000
	Long Gun			−6,400
	Improved Suborbital Operations			+8,000
33	Space Programs and Technology	223,811	213,811	−10,000
	Space Assembly and Manufacture			−10,000
34	Chemical and Biological Defense Program—Advanced Development	164,481	227,981	+63,500
	Dengue Countermeasures			+6,000
	Ebola Countermeasures			+6,000
	Hand-held Biological Agent Detection System			+4,500
	Immunochemical Biological/Chemical Threat Agent Detector			+4,000
	NIDS Handheld Biological Agent Detectors			+12,000
	Oral Adjuvants			+2,000
	Outbreak Detection Information Network (ODIN)			+4,000
	Plant Vaccine Development			+7,000
	Polyclonal Human Antibody Production System			+3,500
	Rapid Response Database Systems			+1,000
	Reactive Air Purification for Individual and Collective Protection			+8,000
	Self-Detoxifying Materials in CB Protective Clothing			+3,000
	Small Accelerators and Detection Systems			+2,500
37	Special Technical Support		2,000	+2,000
	Spray Technique Analysis and Research for Defense			+2,000
39	Generic Logistics R&D Technology Demonstrations	22,360	73,360	+51,000
	Advanced Power Management for Wireless Systems			+2,000
	Aging Systems Sustainment and Enabling Technologies (ASSET)			+2,000
	Chameleon Miniaturized Wireless Systems			+9,000
	DOD Emall Net Inventory Service			+2,000
	Hydrogen Logistics Fuel Initiative			+1,500
	Manufacturing Extention Partnership—Midwest			+2,000
	Next Generation Air Start Cart			+2,000
	Solid Hydrogen Storage and Fuel Cell Systems			+3,500
	Ultra-low Power Battlefield Sensor System			+20,000
	Vehicle Fuel Cell Program			+7,000
41	Strategic Environmental Research Program	64,101	78,101	+14,000
	ChemNet Environmax 4.0			+3,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
	Remediation of Environments Contaminated by Ammonium Perchlorate—University of Idaho			+1,000
	Wellhead Treatment of Perchlorate Contaminated Wells			+10,000
43	Advanced Electronics Technologies	214,378	223,878	+9,500
	Electronic Miniturization			+6,000
	MIL Tech Extension			+1,500
	Small Scale Systems Packaging Center			+2,000
44	Advanced Concept Technology Demonstrations	163,649	169,849	+6,200
	Crossed Field Radiation Technology			+1,000
	Flexible JP–8 ACES			+4,000
	High Altitude Airship			−4,800
	Portal Security			+6,000
45	High Performance Computing Modernization Program	189,747	213,247	+23,500
	Arctic Regional Supercomputer			+5,500
	High Performance Computational Design of Novel Materials			+3,000
	MHPCC Technology Upgrade			+15,000
49	Land Warfare Technology	139,100	104,200	−34,900
	Non-lethal Alternatives for Urban Operations			−6,000
	DPX–5			−5,900
	Mobile Network MIMO			−17,000
	C–130 STOL Demo			−6,000
51	Network-Centric Warfare Technology	136,899	131,899	−5,000
	Precision Urban Combat Systems			−5,000
52	Sensor Technology	189,452	171,452	−18,000
	ISIS			−18,000
55	Software Engineering Institute	25,209	30,209	+5,000
	Advanced Lithography—Thin Film Masks for Lithography			+5,000
59	Test & Evaluation Science & Technology	28,614	34,614	+6,000
	Advanced Unmanned Vehicle System Development			+7,000
	National Unmanned Systems Experimentation Environment (NUSE2)			+4,000
	Program Growth			−5,000
60	Technology Link	3,435	11,185	+7,750
	Springboard			+7,750
62	Special Operations Advanced Technology Development	104,315	103,015	−1,300
	Advanced Tactical Laser			−10,000
	C–130 Advanced Tactical Airborne C4ISR System (ATACS)			+2,500
	LRIP LASSO			+2,500
	Long Range Biometric Target Identification System			+3,000
	Mark V Patrol Boat Replacement			+1,500
	Mobile Electrical Power Utilizing Energy Harvesting			+1,900
	Special Operations Portable Power Source			+5,000
	Voice Activated Handheld Translator			+2,300
	SOST Program Growth			−10,000
63	Physical Security Equipment		9,000	+9,000
	Persistant Perimeter Security with Unmanned Mobile Sensors			+8,000
	Intelligent Decision Exploration			+1,000
65	Joint Robotics Program	11,755	14,755	+3,000
	Robotic Assisted Convoy Operations			+3,000
66	Advanced Sensor Applications Program	18,275	26,275	+8,000
	Biometric Signatures Research			+4,000
	Secure Airborne Free Space Optical Communications			+4,000
69	Ballistic Missile Defense Terminal Defense Segment	1,143,610	1,208,610	+65,000
	Arrow Co-Production			+55,000
	Arrow Short Range Ballistic Missile Defense			+10,000
70	Ballistic Missile Defense Midcourse Defense Segment	3,266,196		−3,266,196
	Ballistic Missile Defense Ground-Based Midcourse Defense Segment to line 70A			−2,335,770
	Sea-Based Midcourse Defense Segment to line 70B			−848,426
	Multiple Kill Vehicles to line 70C			−82,000
70A	Ballistic Missile Defense Ground-Based Midcourse Defense Segment		2,541,657	+2,541,657
	Ground Based Mid-Course Defense from line 70			+2,334,657

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
	Ground Based Mid-Course Defense Test Program/Enhancements			+200,000
	Improved Materials for Optical Materials			+8,000
	Multiple Kill Vehicles Program Support to line 70C			−1,000
70B	Ballistic Missile Sea-Based Midcourse Defense Segment		930,426	+930,426
	Sea-Based Midcourse Defense Segment from line 70			+845,426
	Aegis SM–3 Development and Deployment			+75,000
	Kauai Test Facility			[4,000]
	PMRF Upgrades			+5,000
	Range Mission Tool			+2,500
	Sensor Data Fusion and Communications			+2,500
70C	Multiple Kill Vehicles		83,000	+83,000
	Multiple Kill Vehicles from line 70			+82,000
	Program Support from line 70A			+1,000
71	Ballistic Missile Defense Boost Defense Segment	483,863	493,863	+10,000
	Airborne Laser			+10,000
73	Ballistic Missile Defense Sensors	529,829		−529,829
	SSTS transfer to line 73A			−235,536
	RADARS transfer to line 73B			−294,293
73A	Space Surveillance and Tracking System		245,536	+245,536
	SSTS transfer from line 73			+235,536
	Airborne Infrared Surveillance Systems (AIRS)			+10,000
73B	RADARS		294,293	+294,293
	RADARS transfer from line 73			+294,293
74	Ballistic Missile Defense System Interceptor	229,658	114,952	−114,706
	BMD System Interceptors			−111,000
	NFIRE to line 29			−13,706
	Net Centric Airborne Defense Element			+10,000
75	Ballistic Missile Defense Test & Targets	617,456	624,456	+7,000
	Multi-Frame Blind Deconvolution			+3,000
	Optical Sensors for PMRF (SHOTS)			+4,000
76	Ballistic Missile Defense Products	455,152	425,152	−30,000
	C2BMC National Team Unjustified Program Growth			−30,000
77	Ballistic Missile Defense Systems Core	447,006	417,006	−30,000
	BMD System Core			−30,000
78	Special Programs—MDA	349,522	299,522	−50,000
	BMD Special Projects			−50,000
83	Joint Capability Technology Demonstrations	3,000	7,000	+4,000
	Satellite Assets for Joint Navigation Warfare			+4,000
86	Joint Electromagnetic Technology (JET) Program	3,566	11,566	+8,000
	Delta Mining Training Center			+4,000
	HIPAS			+4,000
88	Chemical and Biological Defense Program	280,908	259,408	−21,500
	ParrallelaVax Rapid Vaccine Testing Technology			+3,500
	Program Growth			−25,000
89	MANPADS Defense Program	13,349	16,349	+3,000
	Counter-MANPADS Airspace Protection System (CMAPS)			+3,000
90	Joint Robotics Program	13,745	15,745	+2,000
	Unmanned Ground Vehicles			+2,000
95	Financial Management System Improvements	75,987	80,987	+5,000
	Small Business Pilot Program to Re-Engineer DoD Vendor Pay Process			+5,000
96	Defense Integrated Military Human Resources System (DIMHRS)	20,322	45,322	+25,000
	DIMHRS			+25,000
109	Transformation Initiatives Program	10,152		−10,152
	Program Reduction			−10,152
114	Central Test and Evaluation Investment Development (CTEIP)	128,759	136,759	+8,000
	UAV Systems and Operations Validations Program			+7,000
	Unmanned Systems Testbed			+1,000
121	Foreign Material Acquisition and Exploitation	36,895	56,895	+20,000
	Classified Adjustment			+20,000
125	Classified Program USD(P)		100,000	+100,000
	Classified Adjustment			+100,000

[In thousands of dollars]

Line	Item	2006 budget estimate	Committee recommendation	Change from budget estimate
128	Support to Networks and Information Integration	10,706	16,706	+6,000
	Pacific Disaster Center			+6,000
130	Chemical and Biological Defense Program	81,425	83,925	+2,500
	Advanced Chemical/Biological Integrated Response Course			+2,500
135	Classified Programs—C3I		10,000	+10,000
	Foreign Supplier Assessment Center			+10,000
136	Small Business Innovation Research/Challenge Administration	1,983	4,983	+3,000
	Advanced Metalized Gelled Propellants			+3,000
170	DISA Mission Support Operations	3,426	13,426	+10,000
	Critical Infrastructure Test Range at the Idaho National Laboratory			+10,000
177	Teleport Program	12,180	7,180	−5,000
	Execution Delays			−5,000
202	Industrial Preparedness	18,219	24,719	+6,500
	Center for Advanced Manufacturing			+1,500
	Manufacturing Engineering of Spray Cooling Technology			+5,000
208	Special Operations Tactical Systems Development	63,513	80,813	+17,300
	Alternative Mobility Vehicles (AMV) for Special Operations Applications			+3,500
	Covert Waveform Communications Modules			+4,800
	Mountain Climbing/Artic Warfare Boot			+1,000
	SOF Unmanned Vehicle Targeting			+8,000
209	Special Operations Intelligence Systems Development	33,167	52,167	+19,000
	Bio-Warfare Testing			+1,500
	Joint Threat Warning System—GSK and UAV			+6,000
	Application Specific Integrated Circuit (ASIC) Development			+6,000
	Special Operations Wireless Mgmt and Ctrl (SOWMAC)			+2,500
	Tactical Miniture SDR Receiver			+3,000
210	SOF Operational Enhancements	66,313	77,813	+11,500
	B–Band Covert Night Vision System Low-Rate Initial Production			+5,500
	Lightweight Portable Solar Panels			+1,500
	Special Operations Tactical Mobility Simulator			+1,500
	Special Payload for Neptune UAV System			+3,000
213	Operations Advanced Seal Delivery System (ASDS) Development	2,040	11,040	+9,000
	Advanced Materials & Processes Demo for High-Speed Military Craft			+9,000

Defense Advanced Research Projects Agency [DARPA].—The Committee recommends $2,923,252,000 for DARPA, this is $160,500,000 below the budget request. The Committee's recommended reductions, outlined specifically in the tables accompanying this section, were based on program execution status, budgetary constraints, and in particular, an assessment of potential value to the warfighter. The Committee is concerned that many of the technologies DARPA is pursuing will have marginal impact on the Department's overall warfighting capability and urges DARPA to focus solely on those programs that promise the greatest benefit to the warfighter in the future.

Spartan.—The Committee is aware that the Spartan unmanned surface vehicle offers Navy battle force commanders unique capabilities to deal with asymmetric threats while keeping sailors away from danger. The Committee encourages the Advanced Concept Technology Development office to work with the Navy and small businesses that have experience in developing and manufacturing reinforced composites for small commercial vessels to determine the feasibility of using reinforced composites to reduce the cost and weight of the Spartan unmanned surface vehicle.

Quick Reaction Special Projects.—The Committee provides $110,717,000 for the Office of the Secretary of Defense [OSD] Quick Reaction Special Projects, Rapid Reaction and Technology Transition programs. These programs provide the OSD funding necessary to rapidly develop emerging wartime and force protection needs. The Committee has previously expressed concern about providing funding for programs that do not delineate specific requirements or program plans. In order to achieve an appropriate balance between fulfilling the Department's need for flexibility and the Committee's fiscal oversight responsibilities, the Committee recommends approval of the President's budget request but directs that no funds may be obligated or expended until 5 days after the congressional defense committees have been notified in writing of the planned projects and their respective schedule and funding requirements.

MISSILE DEFENSE PROGRAMS

The Committee recommends a total of $7,947,833,000 for the Missile Defense Agency. While this is a substantial amount of funding, the Committee notes that it is nearly $1,000,000,000 below the fiscal year 2005 appropriation, due to the Administration's reduction of $1,000,000,000 in its budget request for missile defense. Given the likelihood that fiscal year 2005 marked the high water mark for missile defense funding, it is imperative that diminishing missile defense resources are well-focused on its priorities. In particular, the Missile Defense Agency must do everything possible to maximize the capabilities of the systems in which heavy investments have been made over so many years, such as the ground-based missile defense system, the Aegis ballistic missile defense system, and the airborne laser programs.

To ensure that these and other missile defense programs receive appropriate attention, the Committee directs that the Missile Defense Agency split its program elements, as shown in the table above, into smaller, more-focused programs. This will enable the Congress to have more oversight and visibility into these important programs and ensure that large sums of money are not being realigned internally and diverted to other activities.

The Committee is pleased to note the progress of the ballistic missile defense system integration, which has already been demonstrated in a significant way with the integration of the ground-based missile defense systems, the Aegis system, and the radar and command and control programs for the defense of the United States. The Committee recognizes this unheralded success and recommends that it serve as the foundation for the ballistic missile defense system.

Aegis Ballistic Missile Defense [BMD].—The Committee commends the Aegis Ballistic Missile Defense program and its leadership for its successes to date. Despite these achievements, the program was reduced in the fiscal year 2006 budget request. In order to ensure the continued success of the Aegis program, the Committee recommends an additional $75,000,000 for the Aegis BMD program in order to accelerate production of the Standard Missile-3 and to make improvements to the system. These funds shall be used to accelerate the Aegis BMD Signal Processor, to purchase additional test equipment in order to accelerate SM–3 missile produc-

tion, to fund long-lead material for 15 additional missiles, to accelerate implementation of the engage-on-remote and launch-on-remote upgrades, and to accelerate integration of the two-color seeker for the SM–3 kill vehicle.

Airborne Laser.—The Committee notes the Missile Defense Agency's designation of the Airborne Laser program as its primary boost-phase program. This designation is consistent with the steady progress made on this program in the last 18 months. The Committee is encouraged by these developments and recommends an additional $10,000,000 for this important program.

High Altitude Airship.—The Committee directs the Missile Defense Agency to transfer the High Altitude Airship program to the "Research, Development, Test and Evaluation, Army" appropriation (line 154A). The Committee is aware that the program was recently restructured due primarily to weight gain in the fabric and, based on its schedule growth, is no longer part of the Advanced Concept Technology Demonstration program. The Committee believes that the Missile Defense Agency is no longer the appropriate steward of the program and that MDA should be focused on its immediate mission of testing and fielding an interim missile defense capability. In addition, the Committee considers moving the program to the Army will enhance the Army's tactical communications and intelligence, surveillance and reconnaissance capabilities.

Asymmetric Threat.—The Committee is aware of a potential "asymmetric threat" to the United States where terrorists of nation-states would move short-range missiles closer to the United States on sea-based platforms. Accordingly, the Director of the Defense Intelligence Agency shall provide a report to the congressional defense committees not later than February 1, 2006, which examines this threat and assesses its validity. The Director of the Missile Defense Agency shall provide a report not later than May 1, 2006, that provides a recommendation for the nearest-term, lowest-cost solution to the threat described in the intelligence report.

Ballistic Missile Defense System Interceptor Program Element.—The Ballistic Missile Defense System [BMDS] Interceptor program element consists of the NFIRE program and the KEI program. Because these programs have no related program elements, the Committee recommends the realignment of the NFIRE program to the Ballistic Missile Defense Technology Program Element. This accounts for $13,706,000 of the reduction to the BMDS Interceptor PE. The Committee directs the Missile Defense Agency [MDA] to complete development and mission integration of the deployable NFIRE Kill Vehicle [KV]. The Committee urges the Agency to collect near-field data for critical missile defense interceptor risk reduction with the Kill Vehicle.

Along with the other congressional defense committees, this Committee has expressed repeated concerns about the rationale for the KEI program since its inception. In a decreasing budgetary environment, funding for this future developmental program serves only to crowd out much needed funding for the Missile Defense Agency's near-term priorities, not just for the remainder of the Future Year Defense Plan [FYDP], but also in the years beyond the current FYDP. The Missile Defense Agency assigned most of its fiscal year 2006 budget reductions to the KEI program, which effec-

tively designated it as its lowest priority program. The Committee believes diminishing resources not only on the near-term fielding of maturing missile defense systems, but also on their spiral development—most particularly for the Aegis and Ground-Based Midcourse programs—to be of significantly higher priority. Accordingly, the Committee recommends a reduction of $111,000,000 to this program and directs the Missile Defense Agency to focus only on a technology demonstration program.

Ground-based Midcourse Defense [GMD].—The GMD program demonstrated mixed results in the last year. According to the MDA-chartered Independent Review Team [IRT], "The Missile Defense Agency, the Joint Program Office, the Military Services, and U.S. industry have overcome enormous programmatic and technical obstacles in a remarkably short period of time . . . The system's complexity and deployment challenges make this achievement comparable to the Manhattan Project to develop an atomic bomb, and the Minuteman and Polaris ballistic missile system deployments." At the same time, however, successive flight test failures following four of five successful intercepts make evident the need for increased focus on quality control and reliability processes.

The Committee believes the GMD program is fundamentally sound but in need of more rigor in its engineering and test processes. Accordingly, because of the increasingly significant threat which continues to drive the need for this program, $200,000,000 is added to the budget request to maintain the production schedule for Ground-Based Interceptors [GBI] and for such additional ground and flight test assets and associated testing as may be necessary for the program.

The Committee understands that the Missile Defense Agency is considering breaking apart the GMD program. The Committee disagrees emphatically; GMD is a fully integrated defensive weapon system with multiple real time fire control loops. Fragmenting the fire control loop seriously jeopardizes the functionality of the weapon system and should not be undertaken until such time as it is fully developed, spiral upgraded and in a final stable configuration. Therefore, the Committee directs that the GMD program be continued as a single fully integrated defensive system, with responsibility, authority, and accountability for all aspects of the program—to include but not be limited to the GBI, sensors (to include, as examples, the Sea-based X-band, or SBX, and Upgraded Early Warning Radars, or UEWR), fire control, and all related activities, at least until such time as GMD and its components have been completely developed through the spiral process, its full capability defined, and the program ready to be transferred to the Department of the Army.

It is particularly troubling that the MDA is taking steps which, if continued, will sub-optimize the capability of and investment in the GMD element of the ballistic missile defense system. Contrary to repeated Defense Department statements on spiral development and block upgrades for the missile defense program, MDA at best plans only marginal improvements to the capability of the GMD program's Ground-based Interceptor. The Committee notes, in particular, the statement in a January 28, 2005 briefing by the MDA Director to the Deputy Secretary of Defense that MDA would "not

pursue major booster or kill vehicle upgrades" for the GBI. After many years of investment in this midcourse interceptor, MDA has now essentially decided that the first generation GBI will also be its last generation GBI. This approach would fail to capitalize on the years of previous investment and technology development in a decreasing budgetary environment.

The Committee is extremely concerned that MDA's approach to the GBI is symptomatic of a broader lack of focus on the administration's stated missile defense priorities and therefore directs that not later than December 1, 2005, the MDA Director shall provide to the congressional defense committees his plan for the spiral development of the GMD system. This report will include the spiral development plan for the current GBI, consisting of the EKV and its boosters, and the rest of the GMD integrated defensive system. The plan must clearly explain how we are leveraging our national investment in GMD and achieving both near-term war fighter capability improvements as well as a robust longer-term plan and vision for upgrading GMD.

Ground-Based Interceptor Launch Facility.—The Committee encourages the Missile Defense Agency to designate the Ground-Based Interceptor Launch Facility at Vandenberg Air Force Base, California, as the Ronald W. Reagan Ground-Based Interceptor Launch Facility.

Tulane Missile Defense.—The Committee directs the Missile Defense Agency to continue the Tulane Missile Defense project at the fiscal year 2005 enacted level.

Man-Portable Air Defense Systems [MANPADS] Defense Program.—The Department requested $13,349,000 to develop a ground-based, networked electro-optical sensor grid combined with directed energy, counter MANPAD technologies to protect both military and commercial aviation from MANPADS. The Committee understands that there are also commercial off-the-shelf, ground-based systems currently available that could create a dome of protection against MANPADS around an airport. Therefore, the Committee directs the Secretary of Defense to review both the current and potential future technologies available to address this threat and provide the Committee an assessment of the most cost effective plan to meet operational requirements in an expeditious manner. This report should evaluate the different technologies and concepts available to meet this threat and should be provided to the congressional defense committees not later than December 1, 2005.

Defense Integrated Military Human Resources System [DIMHRS].—The Committee is aware that accelerating funding for the DIMHRS program may significantly and more quickly improve support to the joint staff and unified combatant commanders to provide a single, fully integrated personnel and pay management system for our Service personnel. Therefore, the Committee has provided an additional $25,000,000 for this purpose. Further, the Committee finds the co-location of the DIMHRS joint program manager, the program office and the development staff at the SPAWAR Information Technology Center an efficient arrangement.

Spartan Unmanned Surface Vehicle.—The Committee is aware that the Spartan unmanned surface vehicle offers Navy battle force commanders unique capabilities to deal with asymmetric threats

while keeping sailors away from danger. The Committee urges the Department of Defense ACTD office to work with the Navy and a small business that has a proven record in developing and manufacturing reinforced composites for small commercial vessels to determine the feasibility of using reinforced composites to reduce the cost and weight of the Spartan unmanned surface vehicle.

OPERATIONAL TEST AND EVALUATION, DEFENSE

Appropriations, 2005	$314,835,000
Budget estimate, 2006	168,458,000
House allowance	168,458,000
Committee recommendation	168,458,000

The Committee recommends an appropriation of $168,458,000. This is equal to the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

	Item	2006 budget estimate	House allowance	Committee recommendation	Change from—	
					Budget estimate	House allowance
	OPERATIONAL TEST & EVAL, DEFENSE					
	RDT&E MANAGEMENT SUPPORT					
2	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CT	.....	.....	.....	.....	.....
3	OPERATIONAL TEST AND EVALUATION	43,928	43,928	43,928	.....	.....
4	LIVE FIRE TESTING	10,340	10,340	10,340	.....	.....
5	DEVELOPMENT TEST AND EVALUATION	114,190	114,190	114,190	.....	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	168,458	168,458	168,458	.....	.....
	TOTAL, OPERATIONAL TEST & EVAL, DEFENSE	168,458	168,458	168,458	.....	.....