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[COMMITTEE PRINT]

NOTICE: This is a draft only, subject to change until approved by the full Committee

Calendar No. 000

110TH CONGRESS *2d Session*	SENATE	REPORT 110–000

DEPARTMENT OF DEFENSE APPROPRIATIONS BILL, 2009

SEPTEMBER 00, 2008.—Ordered to be printed

Mr. INOUYE, from the Committee on Appropriations, submitted the following

REPORT

[To accompany S. 0000]

The Committee on Appropriations reports the bill (S. 0000) making appropriations for the Department of Defense for the fiscal year ending September 30, 2009, and for other purposes, reports favorably thereon and recommends that the bill do pass.

41–243 PDF

New obligational authority

Total of bill as reported to the Senate	$478,944,710,000
Amount of 2008 appropriations [1]	631,431,529,000
Amount of 2009 budget estimate [2]	552,948,058,000
Bill as recommended to Senate compared to—	
2008 appropriations (excluding supplemental appropriations)	+30,271,213,000
2009 budget estimate (excluding supplemental appropriations)	−4,003,348,000

[1] Including $182,758,032,000 in supplementals.
[2] Including $70,000,000,000 in supplementals.

CONTENTS

	Page
Background:	
Purpose of the Bill	00
Hearings	00
Summary of the Bill	00
Transparency in Congressional Directives	00
Title I:	
Military Personnel:	
Military Personnel Overview	00
Military Personnel, Army	00
Military Personnel, Navy	00
Military Personnel, Marine Corps	00
Military Personnel, Air Force	00
Reserve Personnel, Army	00
Reserve Personnel, Navy	00
Reserve Personnel, Marine Corps	00
Reserve Personnel, Air Force	00
National Guard Personnel, Army	00
National Guard Personnel, Air Force	00
Title II:	
Operation and Maintenance:	
Operation and Maintenance Overview	00
Operation and Maintenance, Army	00
Operation and Maintenance, Navy	00
Operation and Maintenance, Marine Corps	00
Operation and Maintenance, Air Force	00
Operation and Maintenance, Defense-Wide	00
Operation and Maintenance, Army Reserve	00
Operation and Maintenance, Navy Reserve	00
Operation and Maintenance, Marine Corps Reserve	00
Operation and Maintenance, Air Force Reserve	00
Operation and Maintenance, Army National Guard	00
Operation and Maintenance, Air National Guard	00
Overseas Contingency Operations Transfer Account	00
U.S. Court of Appeals for the Armed Forces	00
Environmental Restoration, Army	00
Environmental Restoration, Navy	00
Environmental Restoration, Air Force	00
Environmental Restoration, Defense-Wide	00
Environmental Restoration, Formerly Used Defense Sites	00
Overseas Humanitarian, Disaster, and Civic Aid	00
Former Soviet Union Threat Reduction	00
Title III:	
Procurement:	
Procurement Overview	00
Aircraft Procurement, Army	00
Missile Procurement, Army	00
Procurement of Weapons and Tracked Combat Vehicles, Army	00
Procurement of Ammunition, Army	00
Other Procurement, Army	00
Aircraft Procurement, Navy	00
Weapons Procurement, Navy	00
Procurement of Ammunition, Navy and Marine Corps	00
Shipbuilding and Conversion, Navy	00
Other Procurement, Navy	00
Procurement, Marine Corps	00

Page

Title III—Continued
Procurement—Continued
Aircraft Procurement, Air Force 00
Missile Procurement, Air Force 00
Procurement of Ammunition, Air Force 00
Other Procurement, Air Force 00
Procurement, Defense-Wide 00
National Guard and Reserve Equipment 00
Defense Production Act Purchases 00
Title IV:
Research, Development, Test and Evaluation:
Research, Development, Test and Evaluation Overview 00
Research, Development, Test and Evaluation, Army 00
Research, Development, Test and Evaluation, Navy 00
Research, Development, Test and Evaluation, Air Force 00
Research, Development, Test and Evaluation, Defense-Wide 00
Operational Test and Evaluation, Defense 00
Title V:
Revolving and Management Funds:
Defense Working Capital Funds 00
National Defense Sealift Fund 00
Title VI:
Other Department of Defense Appropriations:
Defense Health Program 00
Chemical Agents and Munitions Destruction, Defense 00
Drug Interdiction and Counter-Drug Activities, Defense 00
Joint Improvised Explosive Device Defeat Fund 00
Office of the Inspector General 00
Title VII:
Related Agencies:
Central Intelligence Agency Retirement and Disability System Fund 00
Intelligence Community Management Account 00
Title VIII: General Provisions 00
Compliance With Paragraph 7, Rule XVI of the Standing Rules of the Senate 00
Compliance With Paragraph 7(c), Rule XXVI of the Standing Rules of the Senate 00
Compliance With Paragraph 12, Rule XXVI of the Standing Rules of the Senate 00

BACKGROUND

PURPOSE OF THE BILL

This bill makes appropriations for the military functions of the Department of Defense for the period October 1, 2008, through September 30, 2009. Functional areas include the pay, allowances, and support of military personnel, operation and maintenance of the forces, procurement of equipment and systems, and research, development, test and evaluation. Appropriations for foreign military assistance, military construction, family housing, nuclear weapons programs, and civil defense are provided in other bills.

HEARINGS

The Appropriations Subcommittee on Defense began hearings on February 27, 2008, and concluded them on June 4, 2008, after 11 separate sessions. The subcommittee heard testimony from representatives of the Department of Defense, other Federal agencies, representatives of organizations, and the public.

SUMMARY OF THE BILL

The Committee recommendation of $478,944,710,000 includes funding to develop, maintain, and equip the military forces of the United States in non-emergency appropriations.

The fiscal year 2009 budget request for activities funded in the Department of Defense Appropriations bill totals $552,948,058,000 in new budget authority including $70,000,000,000 in contingency funding and $279,200,000 in mandatory spending.

In fiscal year 2008, the Congress appropriated $631,431,529,000 for activities funded in this bill. This amount includes $448,673,497,000 in non-emergency appropriations and $182,758,032,000 in emergency supplemental appropriations.

Excluding supplemental and additional appropriations, the Committee recommendation in this bill is $30,271,213,000 above the amount provided in fiscal year 2008 and $4,003,348,000 below the amount requested for fiscal year 2009.

COMMITTEE RECOMMENDATIONS

The following table displays the recommendations for each title:

[In thousands of dollars]

	Fiscal year 2008 enacted	Fiscal year 2009 estimate	Committee recommendation
Title I—Military personnel	105,292,237	114,896,340	114,957,784
Title II—Operation and maintenance	140,062,158	154,847,272	153,532,120
Title III—Procurement	98,201,598	102,132,287	101,663,231
Title IV—Research, development, test and evaluation	77,271,482	79,615,941	78,634,853
Title V—Revolving and management funds	2,701,840	3,473,487	3,107,787

[In thousands of dollars]

	Fiscal year 2008 enacted	Fiscal year 2009 estimate	Committee recommendation
Title VI—Other Department of Defense programs	26,316,190	28,191,489	27,886,867
Title VII—Related agencies	988,026	964,242	968,942
Title VIII—General provisions (net)	9,469,966	−1,173,000	−1,806,874
Title IX—Additional appropriations [1]	165,928,032	70,000,000	65,921,157
Other appropriations [2]	5,200,000		
Net grand total (including emergency supplemental appropriations)	631,431,529	552,948,058	544,865,867,000

[1] Provided in Public Law 110–161 and Public Law 110–252.
[2] Provided in Public Law 110–92.

CLASSIFIED PROGRAM ADJUSTMENTS

The Committee recommends adjustments to certain classified programs, as explained in the classified annex to the Committee's report.

COMMITTEE INITIATIVES

In addition to items of interest to specific members, the Committee recommends funds for several initiatives which were not included in response to a request from a specific member. The items in this category are for programs, projects, or activities which the Committee believes are of inherent value for national defense. In several cases funds are restored for programs which were included in previous plans for the Defense Department and many others are for programs which the Committee believes are necessary to improve defense even though they have not been included under the request formulated by the administration. The initiatives in this category include increases for training ranges, alternative energy, and environmental remediation. Most projects include funding in several programs and across all services.

Intelligence, Surveillance, and Reconnaissance.—On April 21, 2008, the Secretary of Defense formed a task force to address the high demand for full motion video from intelligence, surveillance, and reconnaissance [ISR] systems in Iraq and Afghanistan. Full motion video, along with other data collected by airborne sensors, is highly valued by the warfighter for the ability to detect emplacement of improvised explosive devices, find and track high value targets, and, with some aerial systems, launch precision strikes against those targets.

The Committee supports efforts to provide additional ISR to military personnel serving in Iraq and Afghanistan. On May 15, 2008, the Committee approved amendments to the fiscal year 2008 supplemental which provided $2,300,000,000 in emergency funds for ISR in support of military operations in Iraq and Afghanistan. Included in this amount was an additional $150,000,000 above the President's supplemental request to accelerate ISR assets to Special Operations Command for tracking and prosecuting high value targets.

The Secretary of Defense has notified the Committee of a number of urgent ISR needs for fiscal year 2009 that were not contained in the President's budget request. In order to respond to these emerging requirements, the Committee recommends an increase of

$750,000,000 in procurement and operation and maintenance accounts to acquire additional manned ISR aircraft, sustain ISR growth funded in fiscal year 2008, and continue the growth of processing, exploitation, and dissemination capabilities. The funding distribution is shown in the following table, and additional details may be found in the portions of this report which describe the Committee recommended adjustments to each account.

Account	Change from budget estimate
Operation and Maintenance, Army	+$196,600
Operation and Maintenance, Navy	+40,500
Operation and Maintenance, Air Force	+3,300
Operation and Maintenance, Defense-Wide	+33,400
Operation and Maintenance, Air National Guard	+26,200
Aircraft Procurement, Air Force	+450,000
Total, ISR Acceleration	+750,000

Acquisition Workforce Development Fund.—Section 852 of the National Defense Authorization Act for fiscal year 2008 established the Department of Defense Acquisition Workforce Development Fund [AWDF] to finance recruiting, training, and retention of acquisition personnel. Funding for the AWDF is generated by taking funds appropriated for other programs. In fiscal year 2008, the planned funding level is approximately $258,000,000 and it will grow up to $600,000,000 in fiscal year 2011 and thereafter.

The Committee is concerned about sustaining a trained, capable, and adequately manned acquisition workforce, particularly as the Department faces a wave of retirements over the coming years that may leave the workforce without the most experienced members. However, the Committee believes that there are problems with the way the AWDF is current constituted. The Committee's concerns include:

—The AWDF funding is not based on an estimate of the program's requirements;

—Projected use of the funding is not provided in advance to Congress;

—The accounting process skews the obligation and expenditure data on appropriations used to finance the AWDF; and

—Expiring funds may be used to finance the AWDF thereby extending, or re-appropriating without congressional approval, those funds for up to 2 years beyond the original life of the appropriation.

The simple and straightforward solution is to bring the AWDF into the regular appropriation process. The Department is directed to include the funding required for the Acquisition Workforce Development Fund in the fiscal year 2010 budget request.

TITLE I

MILITARY PERSONNEL

Funds appropriated under this title provide the resources required for basic pay, retired pay accrual, employers' contribution for Social Security taxes, basic allowance for subsistence, basic allowance for housing, special and incentive pays, permanent change of station travel, and other personnel costs for uniformed members of the Armed Forces.

The President's fiscal year 2009 budget requests a total of $114,896,340,000 for military personnel appropriations. This request funds an Active component end strength of 1,368,300 and a Reserve component end strength of 838,000.

SUMMARY OF COMMITTEE ACTION

The Committee recommends military personnel appropriations totaling $114,957,784,000 for fiscal year 2009. This is $61,444,000 above the budget estimate.

The Committee recommends funding an Active component end strength of 1,368,471 for fiscal year 2009, an increase of 171 above the budget estimate. The Committee recommends funding a Reserve component end strength of 838,056 for fiscal year 2009, an increase of 56 above the budget estimate.

Committee recommended military personnel appropriations for fiscal year 2009 are summarized below:

SUMMARY OF MILITARY PERSONNEL APPROPRIATIONS

[In thousands of dollars]

Account	2009 budget estimate	Committee recommendation	Change from budget estimate
Military Personnel:			
Military Personnel, Army	36,523,817	36,559,411	+35,594
Military Personnel, Navy	24,080,598	24,091,498	+10,900
Military Personnel, Marine Corps	11,809,845	11,807,445	−2,400
Military Personnel, Air Force	25,271,443	25,195,443	−76,000
Reserve Personnel:			
Reserve Personnel, Army	3,921,796	3,945,096	+23,300
Reserve Personnel, Navy	1,869,968	1,865,768	−4,200
Reserve Personnel, Marine Corps	594,910	593,210	−1,700
Reserve Personnel, Air Force	1,436,676	1,429,676	−7,000
National Guard Personnel:			
National Guard Personnel, Army	6,595,293	6,696,993	+101,700
National Guard Personnel, Air Force	2,791,994	2,773,244	−18,750
Total	114,896,340	114,957,784	+61,444

Committee recommended end strengths for fiscal year 2009 are summarized below:

RECOMMENDED END STRENGTH

Item	2008 authorization	2009 budget estimate	Committee recommendation	Change from budget estimate
Active:				
Army	525,400	532,400	532,400	
Navy	329,098	325,300	325,300	
Marine Corps	189,000	194,000	194,000	
Air Force	329,563	316,600	316,771	+171
Subtotal	1,373,061	1,368,300	1,368,471	+171
Selected Reserve:				
Army Reserve	205,000	205,000	205,000	
Navy Reserve	67,800	66,700	66,700	
Marine Corps Reserve	39,600	39,600	39,600	
Air Force Reserve	67,500	67,400	67,400	
Army National Guard	351,300	352,600	352,600	
Air National Guard	106,700	106,700	106,756	+56
Subtotal	837,900	838,000	838,056	+56
TOTAL	2,210,961	2,206,300	2,206,527	+227

Committee recommended end strengths for full-time support of the Reserve and Guard for fiscal year 2009 are summarized below:

RECOMMENDED ACTIVE GUARD AND RESERVE END STRENGTH

Item	2008 authorization	2009 budget estimate	Committee recommendation	Change from budget estimate
Active Guard and Reserve:				
Army Reserve	15,870	16,170	16,261	+91
Navy Reserve	11,579	11,099	11,099	
Marine Corps Reserve	2,261	2,261	2,261	
Air Force Reserve	2,721	2,733	2,733	
Army National Guard	29,204	29,950	32,060	+2,110
Air National Guard	13,936	14,337	14,337	
Total	75,571	76,550	78,750	+2,200

RECOMMENDED MILITARY TECHNICIANS END STRENGTH

Item	2008 authorization	2009 budget estimate	Committee recommendation	Change from budget estimate
Military Technicians:				
Dual Status (minimum levels):				
Army Reserve	8,249	8,395	8,395	
Air Force Reserve	9,909	10,003	10,003	
Army National Guard	26,502	27,210	27,210	
Air National Guard	22,553	22,452	22,452	
Subtotal	67,213	68,060	68,060	
Non-Dual Status (numerical limits):				
Army Reserve	595	595	595	
Air Force Reserve	90	90	90	
Army National Guard	1,600	1,600	1,600	
Air National Guard	350	350	350	
Subtotal	2,635	2,635	2,635	
Total	69,848	70,695	70,695	

MILITARY PERSONNEL OVERVIEW

The Department of Defense budget requests $114,896,340,000 for the military personnel pay accounts for fiscal year 2009; an increase of $9,665,547,000 or 9 percent over the current enacted amount of $105,292,237,000 excluding supplemental appropriations. Significant features of the budget request include the following:

Active Component End Strength.—The Committee supports active component end strength levels as recommended in S. 3001, the National Defense Authorization Act for Fiscal Year 2009 as reported. For the Army, this includes an end strength increase of 7,000 above the fiscal year 2008 authorized level for a total end strength of 532,400. For the Marine Corps, this includes an end strength increase of 5,000 above the fiscal year 2008 level for a total end strength of 194,000. These increases continue to support Department of Defense plans to grow Army and Marine Corps forces to better sustain operational tempo and relieve strain on current units. For the Navy, the Committee supports the requested end strength reduction of 3,798 for a total end strength of 325,300. For the Air Force, the budget requested an end strength reduction of 12,972 for a total end strength of 316,600. However, after submission of the budget, the Secretary of Defense halted the drawdown and requested the Air Force grow to a total end strength of 330,000, their validated end strength requirement. To support this effort, the Committee has realigned funding within the Air Force personnel account. In addition, in order to sustain B–52 aircraft operation and maintenance, the Committee supports an end strength increase of 171 above the requested level, consistent with S. 3001. However, additional funding has not been provided because sufficient funding exists within the Air Force military personnel appropriation to continue this activity.

Reserve and Guard End Strength.—The Committee supports the Selected Reserve end strength levels as recommended by S. 3001, the National Defense Authorization Act for Fiscal Year 2009 as reported. As part of Department of Defense efforts to grow Army forces, the Army Guard plans to grow its end strength by 1,300 above the fiscal year 2008 authorized level for a total end strength of 352,300. The Committee also supports the increase in full time support personnel recommended by S. 3001. This would increase Army Reserve full time support by 91 personnel and Army National Guard full time support by 2,110. Additional funding has been provided to support this increase. Consistent with active duty Navy and Air Force manpower reductions, the budget requests end strength reductions of 1,100 for the Navy Reserve, 100 for the Air Force Reserve, and maintains the Air National Guard end strength at fiscal year 2008 levels. The Committee supports the Navy and Air Force Reserve adjustments but recommends an increase of 56 personnel for the Air National Guard, consistent with S. 3001, to enhance training and readiness missions.

Retired Pay Accrual.—A provision included in Public Law 110–181, the National Defense Authorization Act for Fiscal Year 2008, lowered the age at which members of the Ready Reserve can draw retirement. This change has increased the Department's retired

pay costs, creating a shortfall in all of the active and reserve personnel accounts. The Committee has provided $211,094,000 to address this shortfall.

Health Professions Scholarship Program.—The Committee remains concerned about continued personnel shortages in numerous medical specialties across the services. Recruiting and retaining these specialized personnel has proven challenging. The Health Professions Scholarship Program has been a successful tool in recruiting military medical personnel. For this reason, the Committee is disappointed that the Army and Air Force Health Professions Scholarship Programs are significantly underfunded. To support continued efforts to recruit military medical personnel, the Committee has included an additional $18,400,000 in Reserve Personnel, Army and $13,000,000 in Reserve Personnel, Air Force for the Health Professions Scholarship Program. This additional funding may only be used for this purpose. The Committee expects the services to fully fund this program in fiscal year 2010.

Reserve Component Participation Rate and Mobilization Assumptions.—When constructing reserve personnel budgets, planners must project what percentage of reservists will participate in annual training and weekend drills. Since operations began in Afghanistan and Iraq, participation levels have varied widely based on the number of mobilized reservists who are unavailable to drill and the number of reservists using extra drill periods to perform pre-mobilization training. Some services have incorporated these factors into their projections, while others have not. Currently, there is no Department-wide guidance on the assumptions and methodology that should be used when budgeting for future year annual training and weekend drill participation rates. This has led to unjustified growth in the Pay Group A and B accounts for several reserve components. For fiscal year 2009, the Committee has again shifted funding from these activities to other activities within the same account where shortfalls were identified.

The deployment of Active Guard and Reserve [AGR] personnel has also complicated the process of budgeting for full time personnel costs. Deployed AGRs from some reserve components are paid from reserve personnel accounts, while AGRs from other reserve components are paid from active duty accounts. It is not clear that these reserve components have accurately incorporated AGR deployment assumptions and the corresponding personnel savings into their AGR cost analysis.

The Committee directs the Secretary of Defense to work with the services to establish guidelines for what assumptions and methodology should be used when constructing future year training participation rate and AGR cost projections. The Committee directs the Department to provide a report to the congressional defense committees that details the guidance issued to the services. This report shall be submitted not later than February 15, 2009.

Reserve Component Budget Structure.—In fiscal year 2008, Congress extended testing of a consolidated budget structure for the reserve components' military personnel accounts. The Committee recognizes the advantages of the single budget activity format in providing additional spending flexibility to the reserve components. Therefore, the Committee supports making permanent the consoli-

dated budget structure with the understanding that the Department will submit quarterly reports to the congressional defense committees showing all transfers between activities and sub-activities of each reserve personnel appropriation. The reports shall provide: separate explanations for all transfers that equal, exceed, or cumulate to $2,000,000; a beginning and ending total by line item; and will be due 30 days following the end of each quarter.

Budgeted End Strength Levels.—A Government Accountability Office [GAO] analysis of projected fiscal year 2009 end strength levels indicates that, based on current strength trends, several reserve components should have either a lower total end strength or a less expensive combination of personnel than assumed in the fiscal year 2009 budget request. For this reason, the Army Reserve personnel account has been decreased by $5,000,000; the Marine Corps Reserve by $2,000,000; the Air Force Reserve by $2,000,000; and the Air National Guard by $25,000,000.

Unobligated Balances.—While the level of unobligated balances has decreased significantly over the last several years, a GAO analysis of past year obligation rates shows a continuing trend of underexecution for some components. For this reason, the Committee has determined that several active duty and reserve components' fiscal year 2009 military personnel budget requests are overstated and can be reduced. Therefore, the Committee recommends a total reduction of $154,000,000 to the military personnel accounts.

Government Accountability Office Unobligated Balance and End Strength Reports.—The Committee requests that GAO continue its annual analysis of military personnel unobligated balances and end strength levels. These reports serve as an important resource during the Committee's budgetary analysis. They should be submitted to the congressional defense committees not later than May 15 of each year.

MILITARY PERSONNEL, ARMY

Appropriations, 2008	$31,535,016,000
Budget estimate, 2009	36,523,817,000
Committee recommendation	36,559,411,000

The Committee recommends an appropriation of $36,559,411,000. This is $35,594,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, ARMY			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY	5,490,045	5,490,045	
10	RETIRED PAY ACCRUAL	1,603,046	1,603,046	
25	BASIC ALLOWANCE FOR HOUSING	1,633,161	1,633,161	
30	BASIC ALLOWANCE FOR SUBSISTENCE	213,805	213,805	

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
35	INCENTIVE PAYS	105,273	105,273	.....
40	SPECIAL PAYS	315,178	315,178	.....
45	ALLOWANCES	130,409	130,409	.....
50	SEPARATION PAY	56,471	56,471	.....
55	SOCIAL SECURITY TAX	419,439	419,439	.....
	TOTAL, BUDGET ACTIVITY 1	9,966,827	9,966,827	.....
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY	12,288,160	12,288,160	.....
65	RETIRED PAY ACCRUAL	3,588,132	3,588,132	.....
80	BASIC ALLOWANCE FOR HOUSING	3,744,251	3,744,251	.....
85	INCENTIVE PAYS	91,473	91,473	.....
90	SPECIAL PAYS	975,427	975,427	.....
95	ALLOWANCES	645,897	645,897	.....
100	SEPARATION PAY	234,252	234,252	.....
105	SOCIAL SECURITY TAX	940,037	940,037	.....
	TOTAL, BUDGET ACTIVITY 2	22,507,629	22,507,629	.....
	ACTIVITY 3: PAY AND ALLOW OF CADETS			
110	ACADEMY CADETS	61,496	61,496	.....
	TOTAL, BUDGET ACTIVITY 3	61,496	61,496	.....
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE	1,130,401	1,130,401	.....
120	SUBSISTENCE-IN-KIND	772,209	772,209	.....
121	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	638	638	.....
	TOTAL, BUDGET ACTIVITY 4	1,903,248	1,903,248	.....
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL	267,164	267,164	.....
130	TRAINING TRAVEL	117,430	117,430	.....
135	OPERATIONAL TRAVEL	372,731	372,731	.....
140	ROTATIONAL TRAVEL	809,132	809,132	.....
145	SEPARATION TRAVEL	251,729	251,729	.....
150	TRAVEL OF ORGANIZED UNITS	28,368	28,368	.....
155	NON-TEMPORARY STORAGE	26,977	26,977	.....
160	TEMPORARY LODGING EXPENSE	57,176	57,176	.....
	TOTAL, BUDGET ACTIVITY 5	1,930,707	1,930,707	.....
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS	1,059	1,059	.....
175	INTEREST ON UNIFORMED SERVICES SAVINGS	657	657	.....
180	DEATH GRATUITIES	49,100	49,100	.....
185	UNEMPLOYMENT BENEFITS	172,666	172,666	.....
195	EDUCATION BENEFITS	3,108	3,108	.....
200	ADOPTION EXPENSES	1,598	1,598	.....
210	TRANSPORTATION SUBSIDY	7,428	7,428	.....
215	PARTIAL DISLOCATION ALLOWANCE	2,655	2,655	.....
217	RESERVE OFFICERS TRAINING CORPS (ROTC)	123,602	123,602	.....
218	JUNIOR ROTC	39,857	39,857	.....
	TOTAL, BUDGET ACTIVITY 6	401,730	401,730	.....
220	LESS REIMBURSABLES	−247,820	−247,820	.....
	UNDISTRIBUTED ADJUSTMENT	.....	35,594	+35,594
	TOTAL, MILITARY PERSONNEL, ARMY	36,523,817	36,559,411	+35,594

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Item	2009 budget estimate	Committee recommendation	Change from budget request
UNDISTRIBUTED ADJUSTMENT		35,594	+35,594
Retired Pay Accrual			+35,594

MILITARY PERSONNEL, NAVY

Appropriations, 2008	$23,318,476,000
Budget estimate, 2009	24,080,598,000
Committee recommendation	24,091,498,000

The Committee recommends an appropriation of $24,091,498,000. This is $10,900,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, NAVY			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY	3,430,563	3,430,563	
10	RETIRED PAY ACCRUAL	1,000,408	1,000,408	
25	BASIC ALLOWANCE FOR HOUSING	1,161,179	1,161,179	
30	BASIC ALLOWANCE FOR SUBSISTENCE	126,874	126,874	
35	INCENTIVE PAYS	166,850	166,850	
40	SPECIAL PAYS	368,156	368,156	
45	ALLOWANCES	109,483	109,483	
50	SEPARATION PAY	33,631	33,631	
55	SOCIAL SECURITY TAX	260,985	260,985	
	TOTAL, BUDGET ACTIVITY 1	6,658,129	6,658,129	
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY	7,786,068	7,786,068	
65	RETIRED PAY ACCRUAL	2,272,782	2,272,782	
80	BASIC ALLOWANCE FOR HOUSING	3,452,761	3,452,761	
85	INCENTIVE PAYS	106,960	106,960	
90	SPECIAL PAYS	943,079	943,079	
95	ALLOWANCES	562,579	562,579	
100	SEPARATION PAY	128,466	128,466	
105	SOCIAL SECURITY TAX	595,634	595,634	
	TOTAL, BUDGET ACTIVITY 2	15,848,329	15,848,329	
	ACTIVITY 3: PAY AND ALLOWANCES OF MIDSHIPMEN			
110	MIDSHIPMEN	62,565	62,565	
	TOTAL, BUDGET ACTIVITY 3	62,565	62,565	
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE	590,769	590,769	
120	SUBSISTENCE-IN-KIND	354,028	354,028	

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
121	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	11	11	
	TOTAL, BUDGET ACTIVITY 4	944,808	944,808	
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL	82,223	82,223	
130	TRAINING TRAVEL	71,890	71,890	
135	OPERATIONAL TRAVEL	205,866	205,866	
140	ROTATIONAL TRAVEL	281,934	281,934	
145	SEPARATION TRAVEL	111,890	111,890	
150	TRAVEL OF ORGANIZED UNITS	20,345	20,345	
155	NON-TEMPORARY STORAGE	7,058	7,058	
160	TEMPORARY LODGING EXPENSE	6,956	6,956	
165	OTHER	6,272	6,272	
	TOTAL, BUDGET ACTIVITY 5	794,434	794,434	
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS	477	477	
175	INTEREST ON UNIFORMED SERVICES SAVINGS	1,190	1,190	
180	DEATH GRATUITIES	25,400	25,400	
185	UNEMPLOYMENT BENEFITS	60,034	60,034	
195	EDUCATION BENEFITS	7,156	7,156	
200	ADOPTION EXPENSES	300	300	
210	TRANSPORTATION SUBSIDY	5,963	5,963	
215	PARTIAL DISLOCATION ALLOWANCE	548	548	
217	RESERVE OFFICERS TRAINING CORPS (ROTC)	20,246	20,246	
218	JUNIOR R.O.T.C	13,493	13,493	
	TOTAL, BUDGET ACTIVITY 6	134,807	134,807	
220	LESS REIMBURSABLES	−362,474	−362,474	
	UNDISTRIBUTED ADJUSTMENT		10,900	+10,900
	TOTAL, MILITARY PERSONNEL, NAVY	24,080,598	24,091,498	+10,900

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Item	2009 budget estimate	Committee recommendation	Change from budget request
UNDISTRIBUTED ADJUSTMENT		10,900	+10,900
Unobligated Balances			−12,000
Retired Pay Accrual			+22,900

MILITARY PERSONNEL, MARINE CORPS

Appropriations, 2008	$10,280,180,000
Budget estimate, 2009	11,809,845,000
Committee recommendation	11,807,445,000

The Committee recommends an appropriation of $11,807,445,000. This is $2,400,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, MARINE CORPS			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY	1,280,845	1,280,845	
10	RETIRED PAY ACCRUAL	373,135	373,135	
25	BASIC ALLOWANCE FOR HOUSING	403,572	403,572	
30	BASIC ALLOWANCE FOR SUBSISTENCE	50,575	50,575	
35	INCENTIVE PAYS	49,675	49,675	
40	SPECIAL PAYS	15,992	15,992	
45	ALLOWANCES	32,033	32,033	
50	SEPARATION PAY	14,186	14,186	
55	SOCIAL SECURITY TAX	97,985	97,985	
	TOTAL, BUDGET ACTIVITY 1	2,317,998	2,317,998	
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY	4,415,953	4,415,953	
65	RETIRED PAY ACCRUAL	1,289,091	1,289,091	
80	BASIC ALLOWANCE FOR HOUSING	1,338,567	1,338,567	
85	INCENTIVE PAYS	8,681	8,681	
90	SPECIAL PAYS	558,693	558,693	
95	ALLOWANCES	259,465	259,465	
100	SEPARATION PAY	79,279	79,279	
105	SOCIAL SECURITY TAX	337,821	337,821	
	TOTAL, BUDGET ACTIVITY 2	8,287,550	8,287,550	
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE	416,397	416,397	
120	SUBSISTENCE-IN-KIND	260,847	260,847	
121	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	750	750	
	TOTAL, BUDGET ACTIVITY 4	677,994	677,994	
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL	68,387	68,387	
130	TRAINING TRAVEL	13,128	13,128	
135	OPERATIONAL TRAVEL	134,180	134,180	
140	ROTATIONAL TRAVEL	162,944	162,944	
145	SEPARATION TRAVEL	66,924	66,924	
150	TRAVEL OF ORGANIZED UNITS	2,139	2,139	
155	NON-TEMPORARY STORAGE	6,801	6,801	
160	TEMPORARY LODGING EXPENSE	16,201	16,201	
165	OTHER	3,248	3,248	
	TOTAL, BUDGET ACTIVITY 5	473,952	473,952	
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS	1,747	1,747	
175	INTEREST ON UNIFORMED SERVICES SAVINGS	18	18	
180	DEATH GRATUITIES	16,800	16,800	
185	UNEMPLOYMENT BENEFITS	54,176	54,176	
195	EDUCATION BENEFITS	135	135	
200	ADOPTION EXPENSES	380	380	
210	TRANSPORTATION SUBSIDY	2,049	2,049	
215	PARTIAL DISLOCATION ALLOWANCE	714	714	
218	JUNIOR R.O.T.C	4,250	4,250	

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, BUDGET ACTIVITY 6	80,269	80,269	
220	LESS REIMBURSABLES	−27,918	−27,918	
	UNDISTRIBUTED ADJUSTMENT		−2,400	−2,400
	TOTAL, MILITARY PERSONNEL, MARINE CORPS	11,809,845	11,807,445	−2,400

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Item	2009 budget estimate	Committee recommendation	Change from budget request
UNDISTRIBUTED ADJUSTMENT		−2,400	−2,400
Unobligated Balances			−14,000
Retired Pay Accrual			+11,600

MILITARY PERSONNEL, AIR FORCE

Appropriations, 2008 ..... $24,194,914,000
Budget estimate, 2009 25,271,443,000
Committee recommendation 25,195,443,000

The Committee recommends an appropriation of $25,195,443,000. This is $76,000,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, AIR FORCE			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY	4,418,967	4,418,967	
10	RETIRED PAY ACCRUAL	1,290,338	1,290,338	
25	BASIC ALLOWANCE FOR HOUSING	1,160,384	1,160,384	
30	BASIC ALLOWANCE FOR SUBSISTENCE	162,425	162,425	
35	INCENTIVE PAYS	269,520	269,520	
40	SPECIAL PAYS	280,852	280,852	
45	ALLOWANCES	110,344	110,344	
50	SEPARATION PAY	391,502	225,947	−165,555
55	SOCIAL SECURITY TAX	336,335	336,335	
	TOTAL, BUDGET ACTIVITY 1	8,420,667	8,255,112	−165,555
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY	7,914,059	8,085,467	+171,408
65	RETIRED PAY ACCRUAL	2,310,905	2,310,905	
80	BASIC ALLOWANCE FOR HOUSING	2,550,817	2,550,817	
85	INCENTIVE PAYS	35,116	35,116	
90	SPECIAL PAYS	293,186	293,186	
95	ALLOWANCES	529,092	529,092	
100	SEPARATION PAY	145,507	145,507	

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
105	SOCIAL SECURITY TAX	605,426	605,426	
	TOTAL, BUDGET ACTIVITY 2	14,384,108	14,555,516	+171,408
	ACTIVITY 3: PAY AND ALLOWANCES OF CADETS			
110	ACADEMY CADETS	61,132	61,132	
	TOTAL, BUDGET ACTIVITY 3	61,132	61,132	
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE	791,663	791,663	
120	SUBSISTENCE-IN-KIND	144,862	144,862	
121	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	24	24	
	TOTAL, BUDGET ACTIVITY 4	936,549	936,549	
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL	96,162	96,162	
130	TRAINING TRAVEL	76,778	76,778	
135	OPERATIONAL TRAVEL	430,836	430,836	
140	ROTATIONAL TRAVEL	652,314	652,314	
145	SEPARATION TRAVEL	264,276	264,276	
150	TRAVEL OF ORGANIZED UNITS	22,995	22,995	
155	NON-TEMPORARY STORAGE	55,570	55,570	
160	TEMPORARY LODGING EXPENSE	37,891	37,891	
165	OTHER		−105,853	−105,853
	TOTAL, BUDGET ACTIVITY 5	1,636,822	1,530,969	−105,853
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS	89	89	
175	INTEREST ON UNIFORMED SERVICES SAVINGS	1,318	1,318	
180	DEATH GRATUITIES	19,500	19,500	
185	UNEMPLOYMENT BENEFITS	55,317	55,317	
190	SURVIVOR BENEFITS	1,184	1,184	
195	EDUCATION BENEFITS	486	486	
200	ADOPTION EXPENSES	611	611	
210	TRANSPORTATION SUBSIDY	4,966	4,966	
215	PARTIAL DISLOCATION ALLOWANCE	2,297	2,297	
217	RESERVE OFFICERS TRAINING CORPS (ROTC)	44,552	44,552	
218	JUNIOR ROTC	21,022	21,022	
	TOTAL, BUDGET ACTIVITY 6	151,342	151,342	
220	LESS REIMBURSABLES	−319,177	−319,177	
	UNDISTRIBUTED ADJUSTMENT		24,000	+24,000
	TOTAL, MILITARY PERSONNEL, AIR FORCE	25,271,443	25,195,443	−76,000

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget request
	BA 1: PAY AND ALLOWANCES OF OFFICERS:			
50	Separation Pay	391,502	225,947	−165,555
	Excess to Requirements			−165,555
	BA 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL:			
60	Basic Pay	7,914,059	8,085,467	+171,408
	End Strength Growth			+171,408

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget request
	BA 5: PERMANENT CHANGE OF STATION TRAVEL:			
165	Other		−105,853	−105,853
	Excess to Requirements			−105,853
	UNDISTRIBUTED ADJUSTMENT		24,000	+24,000
	Retired Pay Accrual			+24,000

Realignment of Funds.—The Committee recommends realigning funds within the Military Personnel, Air Force account to support Air Force efforts to halt its personnel drawdown. The Air Force had been on course to drawdown end strength from 329,563 to 316,600 in fiscal year 2009, but has recently been directed to support a manning level of 326,000 airmen, and grow to 330,000 in fiscal year 2010. This newly planned personnel growth, along with readjusted cost calculations, has led to savings in Officer Voluntary Separation Pay and Permanent Change of Station expenses, and has created additional costs in enlisted personnel pay and allowances. The Committee recommends realigning the majority of these savings to fund the enlisted personnel shortfall. The remainder of the savings was not realigned because of the likelihood that the Air Force, which is already below its planned end strength, will not achieve its end strength goal of 326,000.

RESERVE PERSONNEL, ARMY

Appropriations, 2008	$3,684,610,000
Budget estimate, 2009	3,921,796,000
Committee recommendation	3,945,096,000

The Committee recommends an appropriation of $3,945,096,000. This is $23,300,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	RESERVE PERSONNEL, ARMY			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	1,157,222	1,157,222	
20	PAY GROUP B TRAINING (BACKFILL FOR ACT DUTY)	38,568	38,568	
30	PAY GROUP F TRAINING (RECRUITS)	202,217	202,217	
40	PAY GROUP P TRAINING (PIPELINE RECRUITS)	9,037	9,037	
60	MOBILIZATION TRAINING	19,870	19,870	
70	SCHOOL TRAINING	194,979	194,979	
80	SPECIAL TRAINING	177,124	177,124	
90	ADMINISTRATION AND SUPPORT	1,938,381	1,943,081	+4,700
100	EDUCATION BENEFITS	92,039	92,039	
120	HEALTH PROFESSION SCHOLARSHIP	35,321	53,721	+18,400
130	OTHER PROGRAMS	57,038	57,038	
	TOTAL, BUDGET ACTIVITY 1	3,921,796	3,944,896	+23,100
	UNDISTRIBUTED ADJUSTMENT		200	+200

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL RESERVE PERSONNEL, ARMY	3,921,796	3,945,096	+23,300

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget request
90	ADMINISTRATION AND SUPPORT	1,938,381	1,943,081	+4,700
	Full Time Support (AGRs)			+4,700
120	HEALTH PROFESSIONS SCHOLARSHIP PROGRAM	35,321	53,721	+18,400
	Identified Shortfall			+18,400
	UNDISTRIBUTED ADJUSTMENT		200	+200
	Below Budgeted End Strength			−5,000
	Unobligated Balances			−21,000
	Retired Pay Accrual			+26,200

RESERVE PERSONNEL, NAVY

Appropriations, 2008	$1,790,136,000
Budget estimate, 2009	1,869,968,000
Committee recommendation	1,865,768,000

The Committee recommends an appropriation of $1,865,768,000. This is $4,200,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	RESERVE PERSONNEL, NAVY			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	612,049	598,049	−14,000
20	PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY)	8,337	8,337	
30	PAY GROUP F TRAINING (RECRUITS)	48,568	48,568	
60	MOBILIZATION TRAINING	7,961	7,961	
70	SCHOOL TRAINING	35,089	35,089	
80	SPECIAL TRAINING	70,295	70,295	
90	ADMINISTRATION AND SUPPORT	1,043,388	1,043,388	
100	EDUCATION BENEFITS	5,565	5,565	
120	HEALTH PROFESSION SCHOLARSHIP	38,716	38,716	
	TOTAL, BUDGET ACTIVITY 1	1,869,968	1,855,968	−14,000
	UNDISTRIBUTED ADJUSTMENT		9,800	+9,800
	TOTAL, RESERVE PERSONNEL, NAVY	1,869,968	1,865,768	−4,200

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget request
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	612,049	598,049	−14,000
	Unjustified Growth			−14,000
	UNDISTRIBUTED ADJUSTMENT		9,800	+9,800
	Retired Pay Accrual			+9,800

RESERVE PERSONNEL, MARINE CORPS

Appropriations, 2008	$583,108,000
Budget estimate, 2009	594,910,000
Committee recommendation	593,210,000

The Committee recommends an appropriation of $593,210,000. This is $1,700,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	RESERVE PERSONNEL, MARINE CORPS			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	178,749	178,749	
20	PAY GROUP B TRAINING (BACKFILL FOR ACT DUTY)	34,485	30,485	−4,000
30	PAY GROUP F TRAINING (RECRUITS)	95,858	95,858	
60	MOBILIZATION TRAINING	2,920	2,920	
70	SCHOOL TRAINING	14,870	14,870	
80	SPECIAL TRAINING	38,222	38,222	
90	ADMINISTRATION AND SUPPORT	190,257	194,257	+4,000
95	PLATOON LEADER CLASS	13,200	13,200	
100	EDUCATION BENEFITS	26,349	26,349	
	TOTAL, BUDGET ACTIVITY 1	594,910	594,910	
	UNDISTRIBUTED ADJUSTMENT		−1,700	−1,700
	TOTAL, RESERVE PERSONNEL, MARINE CORPS	594,910	593,210	−1,700

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget request
20	PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY)	34,485	30,485	−4,000
	Unjustified Growth			−4,000
90	ADMINISTRATION AND SUPPORT	190,257	194,257	+4,000
	Recruiting and Retention			+4,000
	UNDISTRIBUTED ADJUSTMENT		−1,700	−1,700

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget request
	Below Budgeted End Strength			−2,000
	Unobligated Balances			−4,000
	Retired Pay Accrual			+4,300

RESERVE PERSONNEL, AIR FORCE

Appropriations, 2008	$1,363,779,000
Budget estimate, 2009	1,436,676,000
Committee recommendation	1,429,676,000

The Committee recommends an appropriation of $1,429,676,000. This is $7,000,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	RESERVE PERSONNEL, AIR FORCE			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	594,045	587,045	−7,000
20	PAY GROUP B TRAINING (BACKFILL FOR ACT DUTY)	78,416	78,416	
30	PAY GROUP F TRAINING (RECRUITS)	45,928	43,928	−2,000
40	PAY GROUP P TRAINING (PIPELINE RECRUITS)	120	120	
60	MOBILIZATION TRAINING	1,800	1,800	
70	SCHOOL TRAINING	147,277	147,277	
80	SPECIAL TRAINING	163,403	163,403	
90	ADMINISTRATION AND SUPPORT	338,510	338,510	
100	EDUCATION BENEFITS	35,288	35,288	
120	HEALTH PROFESSION SCHOLARSHIP	28,507	41,507	+13,000
130	OTHER PROGRAMS (ADMIN & SUPPORT)	3,382	3,382	
	TOTAL, BUDGET ACTIVITY 1	1,436,676	1,440,676	+4,000
	UNDISTRIBUTED ADJUSTMENT		−11,000	−11,000
	TOTAL, RESERVE PERSONNEL, AIR FORCE	1,436,676	1,429,676	−7,000

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget request
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	594,045	587,045	−7,000
	Unjustified Growth			−7,000
30	PAY GROUP F TRAINING (RECRUITS)	45,928	43,928	−2,000
	Unjustified Growth			−2,000
120	HEALTH PROFESSIONS SCHOLARSHIP PROGRAM	28,507	41,507	+13,000
	Identified Shortfall			+13,000
	UNDISTRIBUTED ADJUSTMENT		−11,000	−11,000
	Below Budgeted End Strength			−2,000
	Unobligated Balances			−22,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget request
	Retired Pay Accrual			+13,000

NATIONAL GUARD PERSONNEL, ARMY

Appropriations, 2008	$5,924,699,000
Budget estimate, 2009	6,595,293,000
Committee recommendation	6,696,993,000

The Committee recommends an appropriation of $6,696,993,000. This is $101,700,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	NATIONAL GUARD PERSONNEL, ARMY			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	1,951,432	1,951,432	
30	PAY GROUP F TRAINING (RECRUITS)	424,539	424,539	
40	PAY GROUP P TRAINING (PIPELINE RECRUITS)	35,896	35,896	
70	SCHOOL TRAINING	546,610	546,610	
80	SPECIAL TRAINING	301,116	301,116	
90	ADMINISTRATION AND SUPPORT	3,108,536	3,211,036	+102,500
100	EDUCATION BENEFITS	227,164	227,164	
	TOTAL, BUDGET ACTIVITY 1	6,595,293	6,697,793	+102,500
	UNDISTRIBUTED ADJUSTMENT		−800	−800
	TOTAL, NATIONAL GUARD PERSONNEL, ARMY	6,595,293	6,696,993	+101,700

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget request
90	ADMINISTRATION AND SUPPORT	3,108,536	3,211,036	+102,500
	Full Time Support (AGRs)			+102,500
	UNDISTRIBUTED ADJUSTMENT		−800	−800
	Unobligated Balances			−50,000
	Retired Pay Accrual			+45,600
	Joint Interagency Training and Education Center			+3,600

NATIONAL GUARD PERSONNEL, AIR FORCE

Appropriations, 2008	$2,617,319,000
Budget estimate, 2009	2,791,994,000
Committee recommendation	2,773,244,000

The Committee recommends an appropriation of $2,773,244,000. This is $18,750,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	NATIONAL GUARD PERSONNEL, AIR FORCE			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	959,948	946,948	−13,000
30	PAY GROUP F TRAINING (RECRUITS)	72,991	72,991	
40	PAY GROUP P TRAINING (PIPELINE RECRUITS)	212	212	
70	SCHOOL TRAINING	194,161	197,861	+3,700
80	SPECIAL TRAINING	101,120	125,520	+24,400
90	ADMINISTRATION AND SUPPORT	1,411,089	1,411,089	
100	EDUCATION BENEFITS	52,473	52,473	
	TOTAL, BUDGET ACTIVITY 1	2,791,994	2,807,094	+15,100
	UNDISTRIBUTED ADJUSTMENT		−33,850	−33,850
	TOTAL, NATIONAL GUARD PERSONNEL, AIR FORCE	2,791,994	2,773,244	−18,750

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget request
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	959,948	946,948	−13,000
	Unjustified Growth			−13,000
70	SCHOOL TRAINING	194,161	197,861	+3,700
	Specialized Mission Training			+3,700
80	SPECIAL TRAINING	101,120	125,520	+24,400
	Air Sovereignty Alert Mission			+24,400
	UNDISTRIBUTED ADJUSTMENT		−33,850	−33,850
	Below Budgeted End Strength			−25,000
	Unobligated Balances			−31,000
	Retired Pay Accrual			+18,100
	Joint Interagency Training and Education Center			+650
	Crypto-Linguist/Intelligence Officer Initiative			+3,400

REVIEWED
By Roland Biser at 3:33 pm, Sep 19, 2008

TITLE II

OPERATION AND MAINTENANCE

Funds appropriated under this title provide the resources required to prepare for and conduct combat operations and other peace time missions. These funds are used to purchase fuel and spare parts for training operations, pay supporting civilian personnel, and purchase supplies, equipment, and service contracts for the repair of weapons and facilities.

The President's fiscal year 2009 budget requests a total of $154,847,272,000 for operation and maintenance appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends operation and maintenance appropriations totaling $153,532,120,000 for fiscal year 2009. This is $1,315,152,000 below the budget estimate.

Committee recommended operation and maintenance appropriations for fiscal year 2009 are summarized below:

SUMMARY OF OPERATION AND MAINTENANCE APPROPRIATIONS

[In thousands of dollars]

Account	2009 budget estimate	Committee recommendation	Change from budget estimate
Operation and Maintenance:			
Army	31,243,092	31,154,227	−88,865
Navy	34,922,398	34,726,015	−196,383
Marine Corps	5,597,254	5,533,448	−63,806
Air Force	35,902,487	35,171,715	−730,772
Defense-Wide	26,091,864	25,781,304	−310,560
Army Reserve	2,642,341	2,641,226	−1,115
Navy Reserve	1,311,085	1,310,085	−1,000
Marine Corps Reserve	213,131	213,131	.....
Air Force Reserve	3,142,892	3,133,692	−9,200
Army National Guard	5,875,546	5,850,346	−25,200
Air National Guard	5,879,576	5,910,426	+30,850
Overseas Contingency Operations Transfer Account	9,101	.....	−9,101
United States Court of Appeals for the Armed Forces	13,254	13,254	.....
Environmental Restoration:			
Army	447,776	467,776	+20,000
Navy	290,819	290,819	.....
Air Force	496,277	496,277	.....
Defense-Wide	13,175	13,175	.....
Formerly Used Defense Sites	257,796	307,796	+50,000
Overseas Humanitarian, Disaster, and Civic Aid	83,273	83,273	.....
Former Soviet Union Threat Reduction Account	414,135	434,135	+20,000
Total	154,847,272	153,532,120	−1,315,152

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By Roland Biser at 3:34 pm, Sep 19, 2008

OPERATION AND MAINTENANCE OVERVIEW

OPERATION AND MAINTENANCE, ARMY

Appropriations, 2008	$27,361,574,000
Budget estimate, 2009	31,243,092,000
Committee recommendation	31,154,227,000

The Committee recommends an appropriation of $31,154,227,000. This is $88,865,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, ARMY			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
10	MANEUVER UNITS	1,259,183	1,259,183	
20	MODULAR SUPPORT BRIGADES	107,517	107,517	
30	ECHELONS ABOVE BRIGADES	606,827	606,827	
40	THEATER LEVEL ASSETS	963,864	963,864	
50	LAND FORCES OPERATIONS SUPPORT	1,244,612	1,215,612	−29,000
60	AVIATION ASSETS	1,013,851	1,016,851	+3,000
	LAND FORCES READINESS			
70	FORCE READINESS OPERATIONS SUPPORT	1,821,481	1,809,681	−11,800
80	LAND FORCES SYSTEMS READINESS	624,053	646,053	+22,000
90	LAND FORCES DEPOT MAINTENANCE	737,303	690,303	−47,000
	LAND FORCES READINESS SUPPORT			
100	BASE OPERATIONS SUPPORT	7,309,710	7,208,210	−101,500
110	FACILITIES SUSTAINMENT, RESTORATION, & MODERNIZATION	2,093,829	2,111,929	+18,100
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	301,149	284,149	−17,000
130	COMBATANT COMMANDER'S CORE OPERATIONS	262,556	253,683	−8,873
140	ADDITIONAL ACTIVITIES	274,654	449,254	+174,600
170	COMBATANT COMMANDERS ANCILLARY MISSIONS	282,990	282,990	
	TOTAL, BUDGET ACTIVITY 1	18,903,579	18,906,106	+2,527
	BUDGET ACTIVITY 2: MOBILIZATION			
	MOBILITY OPERATIONS			
180	STRATEGIC MOBILITY	204,559	206,059	+1,500
190	ARMY PREPOSITIONED STOCKS	122,273	122,273	
	TOTAL, BUDGET ACTIVITY 2	326,832	328,332	+1,500
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
210	OFFICER ACQUISITION	121,985	121,985	
220	RECRUIT TRAINING	90,999	90,999	
230	ONE STATION UNIT TRAINING	66,512	66,512	
240	SENIOR RESERVE OFFICERS TRAINING CORPS	441,264	443,264	+2,000
	BASIC SKILL AND ADVANCED TRAINING			
250	SPECIALIZED SKILL TRAINING	825,237	825,237	
260	FLIGHT TRAINING	781,761	745,761	−36,000
270	PROFESSIONAL DEVELOPMENT EDUCATION	130,208	130,208	
280	TRAINING SUPPORT	852,545	852,545	
	RECRUITING AND OTHER TRAINING AND EDUCATION			
290	RECRUITING AND ADVERTISING	645,968	645,968	

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By Roland Biser at 3:35 pm, Sep 19, 2008

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
300	EXAMINING	148,274	148,274	.....
310	OFF-DUTY AND VOLUNTARY EDUCATION	244,844	244,844	.....
320	CIVILIAN EDUCATION AND TRAINING	223,957	211,457	−12,500
330	JUNIOR RESERVE OFFICERS TRAINING CORPS	149,329	149,329	.....
	TOTAL, BUDGET ACTIVITY 3	4,722,883	4,676,383	−46,500
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SECURITY PROGRAMS			
340	SECURITY PROGRAMS	876,020	875,728	−292
	LOGISTICS OPERATIONS			
350	SERVICEWIDE TRANSPORTATION	552,629	552,629	.....
360	CENTRAL SUPPLY ACTIVITIES	630,145	630,145	.....
370	LOGISTICS SUPPORT ACTIVITIES	510,326	488,326	−22,000
380	AMMUNITION MANAGEMENT	450,394	450,394	.....
	SERVICEWIDE SUPPORT			
390	ADMINISTRATION	768,681	768,681	.....
400	SERVICEWIDE COMMUNICATIONS	1,154,085	1,148,485	−5,600
410	MANPOWER MANAGEMENT	276,925	278,425	+1,500
420	OTHER PERSONNEL SUPPORT	195,129	195,129	.....
430	OTHER SERVICE SUPPORT	1,152,968	1,132,968	−20,000
440	ARMY CLAIMS ACTIVITIES	233,680	233,680	.....
450	REAL ESTATE MANAGEMENT	58,345	58,345	.....
	SUPPORT OF OTHER NATIONS			
460	SUPPORT OF NATO OPERATIONS	408,788	408,788	.....
470	MISC. SUPPORT OF OTHER NATIONS	21,683	21,683	.....
	TOTAL, BUDGET ACTIVITY 4	7,289,798	7,243,406	−46,392
	TOTAL, OPERATION AND MAINTENANCE, ARMY	31,243,092	31,154,227	−88,865

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
050	LAND FORCES OPERATIONS SUPPORT	1,244,612	1,215,612	−29,000
	Unjustified Program Growth	.....	.....	−29,000
060	AVIATION ASSETS	1,013,851	1,016,851	+3,000
	UAS Center of Excellence	.....	.....	+3,000
070	FORCE READINESS OPERATIONS SUPPORT	1,821,481	1,809,681	−11,800
	Budget Justification Does Not Match Summary of Price and Program Changes	.....	.....	−65,000
	Biometrics Operations Directorate Transition	.....	.....	+2,000
	Joint National Training Capability—Red Flag/Northern Edge Training Range Enhancements	.....	.....	+14,700
	Lightweight Ballistic Maxillofacial Protection System	.....	.....	+3,500
	Sawfly Laser Protective Lenses	.....	.....	+3,000
	USARPAC C4 Mission Program	.....	.....	+30,000
080	LAND FORCES SYSTEMS READINESS	624,053	646,053	+22,000
	Upgraded Hunter Capabilities	.....	.....	+22,000
090	LAND FORCES DEPOT MAINTENANCE	737,303	690,303	−47,000
	Unjustified Program Growth	.....	.....	−47,000
100	BASE OPERATIONS SUPPORT	7,309,710	7,208,210	−101,500
	Unjustified Program Growth	.....	.....	−110,000
	Army Conservation and Ecosystem Management	.....	.....	+4,500
	Family Support for the 1/25th and 4/25th	.....	.....	+4,000

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By Roland Biser at 3:35 pm, Sep 19, 2008

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
110	FACILITIES SUSTAINMENT, RESTORATION, & MODERNIZATION	2,093,829	2,111,929	+18,100
	49th Missile Defense Battalion Infrastructure and Security Upgrades			+2,200
	Ladd Field Paving			+2,500
	Repair of Barracks, Including Roof Removal and Replacement			+2,900
	Rock Island Arsenal, Building #299 Roof Removal and Replacement, Phase III			+5,000
	Training Area Restoration			+5,500
120	MANAGEMENT AND OPERATIONAL HQ	301,149	284,149	−17,000
	Unjustified Growth for Personnel			−17,000
130	COMBATANT COMMANDERS CORE OPERATIONS	262,556	253,683	−8,873
	Management Headquarters Activities Understated Growth			−20,000
	SOUTHCOM Command Management System (transfer from Drug Interdiction and Counter-Drug Activities, Defense)			+11,127
140	ADDITIONAL ACTIVITIES	274,654	449,254	+174,600
	O&M for 8 Additional MARSS Multi-INT a/c			+85,600
	O&M for 3 Constant Hawk			+53,500
	O&M for 15 TRITON III (Ground Vehicle SIGINT)			+35,500
180	STRATEGIC MOBILITY	204,559	206,059	+1,500
	Tricon and Quadcon Shipping Containers			+1,500
240	SENIOR RESERVE OFFICERS TRAINING CORPS	441,264	443,264	+2,000
	Air Battle Captain			+2,000
260	FLIGHT TRAINING	781,761	745,761	−36,000
	Unjustified Program Growth			−36,000
320	CIVILIAN EDUCATION AND TRAINING	223,957	211,457	−12,500
	Unjustified Growth for Training			−15,000
	Human Resource Command Training			+2,500
340	SECURITY PROGRAMS	876,020	875,728	−292
	Classified Program Adjustment			−292
370	LOGISTIC SUPPORT ACTIVITIES	510,326	488,326	−22,000
	Savings for Logistics Support Activities			−25,000
	Army Condition-Based Maintenance			+3,000
400	SERVICEWIDE COMMUNICATIONS	1,154,085	1,148,485	−5,600
	Budget Justification Does Not Match Summary of Price and Program Changes			−10,000
	U.S. Army Alaska Bandwidth Shortfalls			+3,000
	U.S. Army Alaska Critical Communications Infrastructure			+1,400
410	MANPOWER MANAGEMENT	276,925	278,425	+1,500
	Electronic Records Management Pilot Program			+1,500
430	OTHER SERVICE SUPPORT	1,152,968	1,132,968	−20,000
	Budget Justification Does Not Match Summary of Price and Program Changes			−20,000

Army Budget Justification Materials.—The Army's Operation and Maintenance budget justification materials lack the details necessary to properly analyze program changes from year to year. According to the Financial Management Regulations Volume 2A, Chapter 3, the OP–5 exhibit, titled "Detail by Subactivity Group", should "itemize and justify the major program changes in each year (and provide the baseline in dollars to which the increase or decrease applies). Such justification should clearly explain programmatic changes in resource levels including why increases are required or decreases occur. Additionally, the narrative justification should relate cost to force structure changes, performance criteria, workload and manpower data, as well as identify the impact if requested changes are not funded."

REVIEWED
By Roland Biser at 3:36 pm, Sep 19, 2008

Unfortunately, the Army budget documentation contained only a couple of program decreases in fiscal year 2009 for the entire appropriation. Not displaying decreases in the budget justification materials gives a distorted view of real program increases making it impossible to determine true programmatic changes in each budget line item. Additionally, by not showing decreases it appears that the Army is not making any tradeoffs in its "Grow the Army" initiative. Understandably, the Operation and Maintenance budget should increase when the size and composition of the force is changing. However, when the budget does not display decreases, it gives the appearance that everything the Army is doing is going to cost more money and does not portray tradeoffs for efficiencies nor for terminating activities of a lower priority.

The Army's response to questioning about not displaying program decreases was explained as the budget justification being too lengthy if shown. The committee is sympathetic to the effort put into creating the justification materials and is not looking for every increase and decrease to be explained. However, for future budget submissions, the committee suggests displaying both major increases and major decreases to more accurately justify resource needs.

In response to the lack of detail presented in the budget justification materials, the Committee is recommending two funding adjustments crossing several line items in the Operation and Maintenance appropriation. First, the Committee recommends a decrease of $95,000,000 for line items where the narrative on the OP–5 budget exhibit does not match the Summary of Price and Program Changes exhibit (the OP–32). In these line items, there were either no program increases or decreases explained on the OP–5, but there were program increases or decreases on the OP–32. Second, the Committee recommends a decrease of $222,000,000 for unjustified growth. This adjustment was based on programmatic decreases provided to the committee by the Army in response to written questions but were not explained in any budget exhibits.

OPERATION AND MAINTENANCE, NAVY

Appropriations, 2008	$33,087,650,000
Budget estimate, 2009	34,922,398,000
Committee recommendation	34,726,015,000

The Committee recommends an appropriation of $34,726,015,000. This is $196,383,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, NAVY			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	MISSION AND OTHER FLIGHT OPERATIONS	3,873,884	3,773,884	−100,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
20	FLEET AIR TRAINING	969,661	969,661	.....
30	AVIATION TECHNICAL DATA AND ENGINEERING SERVICES	53,272	53,272	.....
40	AIR OPERATIONS AND SAFETY SUPPORT	120,305	120,305	.....
50	AIR SYSTEMS SUPPORT	494,832	497,832	+3,000
60	AIRCRAFT DEPOT MAINTENANCE	1,127,774	1,127,774	.....
70	AIRCRAFT DEPOT OPERATIONS SUPPORT	142,618	142,618	.....
	SHIP OPERATIONS			
80	MISSION AND OTHER SHIP OPERATIONS	3,536,837	3,456,837	−80,000
90	SHIP OPERATIONS SUPPORT AND TRAINING	689,893	689,893	.....
100	SHIP DEPOT MAINTENANCE	4,139,996	4,139,996	.....
110	SHIP DEPOT OPERATIONS SUPPORT	1,167,411	1,167,411	.....
	COMBAT COMMUNICATIONS/SUPPORT			
120	COMBAT COMMUNICATIONS	633,376	630,879	−2,497
130	ELECTRONIC WARFARE	85,349	85,349	.....
140	SPACE SYSTEMS AND SURVEILLANCE	160,175	160,175	.....
150	WARFARE TACTICS	397,763	389,363	−8,400
160	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	315,803	315,803	.....
170	COMBAT SUPPORT FORCES	783,689	762,589	−21,100
180	EQUIPMENT MAINTENANCE	186,860	186,860	.....
190	DEPOT OPERATIONS SUPPORT	3,256	3,256	.....
200	COMBATANT COMMANDERS CORE OPERATIONS	152,167	167,167	+15,000
210	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	261,105	261,105	.....
	WEAPONS SUPPORT			
220	CRUISE MISSILE	131,692	131,692	.....
230	FLEET BALLISTIC MISSILE	1,046,422	1,046,422	.....
240	IN-SERVICE WEAPONS SYSTEMS SUPPORT	64,298	64,298	.....
250	WEAPONS MAINTENANCE	478,103	499,603	+21,500
260	OTHER WEAPON SYSTEMS SUPPORT	321,921	321,921	.....
	BASE SUPPORT			
270	ENTERPRISE INFORMATION TECHNOLOGY	893,448	893,448	.....
280	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	1,734,146	1,734,146	.....
290	BASE OPERATING SUPPORT	4,158,483	4,136,383	−22,100
	TOTAL, BUDGET ACTIVITY 1	28,124,539	27,929,942	−194,597
	BUDGET ACTIVITY 2: MOBILIZATION			
	READY RESERVE AND PREPOSITIONING FORCES			
300	SHIP PREPOSITIONING AND SURGE	394,729	394,729	.....
	ACTIVATIONS/INACTIVATIONS			
310	AIRCRAFT ACTIVATIONS/INACTIVATIONS	7,276	7,276	.....
320	SHIP ACTIVATIONS/INACTIVATIONS	110,268	110,268	.....
	MOBILIZATION PREPAREDNESS			
330	FLEET HOSPITAL PROGRAM	27,650	27,650	.....
340	INDUSTRIAL READINESS	2,419	2,419	.....
350	COAST GUARD SUPPORT	25,473	25,473	.....
	TOTAL, BUDGET ACTIVITY 2	567,815	567,815	.....
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
360	OFFICER ACQUISITION	142,175	142,175	.....
370	RECRUIT TRAINING	11,136	11,136	.....
380	RESERVE OFFICERS TRAINING CORPS	116,985	116,985	.....
	BASIC SKILLS AND ADVANCED TRAINING			
390	SPECIALIZED SKILL TRAINING	540,855	540,855	.....
400	FLIGHT TRAINING	518,077	518,077	.....
410	PROFESSIONAL DEVELOPMENT EDUCATION	170,486	170,486	.....
420	TRAINING SUPPORT	155,533	156,533	+1,000
	RECRUITING, AND OTHER TRAINING AND EDUCATION			
430	RECRUITING AND ADVERTISING	272,498	272,798	+300

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
440	OFF-DUTY AND VOLUNTARY EDUCATION	163,077	163,577	+500
450	CIVILIAN EDUCATION AND TRAINING	95,959	95,959	
460	JUNIOR ROTC	50,494	50,494	
	TOTAL, BUDGET ACTIVITY 3	2,237,275	2,239,075	+1,800
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE SUPPORT			
470	ADMINISTRATION	735,822	729,822	−6,000
480	EXTERNAL RELATIONS	4,213	4,213	
490	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT	109,968	109,968	
500	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	163,568	163,568	
510	OTHER PERSONNEL SUPPORT	278,085	278,085	
520	SERVICEWIDE COMMUNICATIONS	381,511	381,511	
	LOGISTICS OPERATIONS AND TECHNICAL SUPPORT			
540	SERVICEWIDE TRANSPORTATION	257,008	257,008	
560	PLANNING, ENGINEERING AND DESIGN	240,991	240,991	
570	ACQUISITION AND PROGRAM MANAGEMENT	595,050	595,050	
580	HULL, MECHANICAL AND ELECTRICAL SUPPORT	60,723	60,723	
590	COMBAT/WEAPONS SYSTEMS	17,378	17,378	
600	SPACE AND ELECTRONIC WARFARE SYSTEMS	79,615	79,615	
	SECURITY PROGRAMS			
620	NAVAL INVESTIGATIVE SERVICE	504,649	510,649	+6,000
	SUPPORT OF OTHER NATIONS			
680	INTERNATIONAL HEADQUARTERS AND AGENCIES	6,570	6,570	
	OTHER PROGRAMS			
999	OTHER PROGRAMS	557,618	554,032	−3,586
	TOTAL, BUDGET ACTIVITY 4	3,992,769	3,989,183	−3,586
	TOTAL, OPERATION AND MAINTENANCE, NAVY	34,922,398	34,726,015	−196,383

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
10	MISSION AND OTHER FLIGHT OPERATIONS	3,873,884	3,773,884	−100,000
	Peace Time Training Reduction			−100,000
50	AIR SYSTEMS SUPPORT	494,832	497,832	+3,000
	CPI-Metamorphose/i3 Technical Data Conversion and Support			+3,000
80	MISSION AND OTHER SHIP OPERATIONS	3,536,837	3,456,837	−80,000
	Military Sealift Command Overstated Program Growth			−80,000
120	COMBAT COMMUNICATIONS	633,376	630,879	−2,497
	Commerical Satellite Unjustified Program Growth			−2,497
150	WARFARE TACTICS	397,763	389,363	−8,400
	Training Transformation Transfer Not Accounted For			−8,400
170	COMBAT SUPPORT FORCES	783,689	762,589	−21,100
	COCOM Residual Funding			−20,000
	Training Transformation Transfer Not Accounted For			−1,100
200	COMBATANT COMMANDERS CORE OPERATIONS	152,167	167,167	+15,000
	Asia Pacific Regional Initiative			+15,000
250	WEAPONS MAINTENANCE	478,103	499,603	+21,500
	Removal of One-time Cost for Marine Corps Ground Forces Augmentation			−28,000
	Mk 45 Mod 5 Gun Depot Overhauls			+9,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Deploy Navy Global Hawk Maritime Demo			+40,500
290	BASE OPERATING SUPPORT	4,158,483	4,136,383	−22,100
	CONUS NEX and Category C Utility Costs			−25,000
	PMRF Flood Control			+2,900
420	TRAINING SUPPORT	155,533	156,533	+1,000
	Military Physician Combat Medical Training			+1,000
430	RECRUITING AND ADVERTISING	272,498	272,798	+300
	Naval Sea Cadet Corps			+300
440	OFF-DUTY AND VOLUNTARY EDUCATION	163,077	163,577	+500
	Energy Education Accreditation for Military Personnel			+500
470	ADMINISTRATION	735,822	729,822	−6,000
	DFAS Unjustified Program Growth			−7,000
	SPAWAR Systems Center			+1,000
620	NAVAL INVESTIGATIVE SERVICE	504,649	510,649	+6,000
	Digitization, Integration, and Analyst Access of Investigative Files, Naval Criminal Investigative Services			+6,000
999	OTHER PROGRAMS	557,618	554,032	−3,586
	Classified Program Adjustment			−3,586

Combatant Commander [COCOM] Residual Funding.—In the 2009 President's Budget request, each Service created two new budget line items to better track Combatant Commander resources. According to the fiscal year 2008 President's Budget, COCOM funding for the Navy to support Joint Forces Command and Pacific Command was budgeted in line 1C6C Combat Support Forces in the amount of $398,000,000 for fiscal year 2009. However, the fiscal year 2009 budget only transferred $378,000,000 to the new budget lines. Therefore, the Committee believes that line 1C6C Combat Support Forces is overstated and recommends a reduction of $20,000,000. The Committee directs that the reduction not be applied to Combatant Commander resources.

Naval Shipyard Workforce Development Programs.—The Committee is concerned over the challenges to recruit and retain qualified personnel at the Navy shipyards. The Committee is aware that it is becoming increasingly difficult to attract and retain engineers into the public sector primarily because of the benefits offered to engineers in the private sector and because the shipyards do not have the necessary programs and incentives to groom executive management and leadership skills to further workforce development. The Committee strongly supports the Naval Apprenticeship Program. It feels the top apprentices have the potential to contribute to the workforce in other positions if provided opportunities and incentives. Therefore, the Committee directs the Navy to establish programs to provide opportunities and financial incentives for top performers to receive 4-year engineering degrees, executive management training certificates, and business school degrees. The Committee believes programs similar to the Apprenticeship Program can help stave off the impending steep decline in personnel at the shipyards and ensure a more stable workforce. The Committee directs the Navy to work with each shipyard and the respective local educational institutions to craft these programs and report to the Committee by April 30, 2009 on a plan for implementation.

Naval Shipyard Apprentice Program.—The Committee directs that during fiscal year 2009 the Navy shall induct classes of no fewer than 100 apprentices, respectively, at each of the naval shipyards. The Committee further directs the Navy to include the costs of the fiscal year 2010 class of apprentices in its budget request.

U.S. Coast Guard.—The Committee is aware that Department of Defense [DoD] regulations currently restrict DoD mission appropriated funded activities from offering reimbursable rates to non-DoD agencies. This restriction forces the Navy to charge the U.S. Coast Guard fully burdened rates for drydocking services at Navy shipyards rather than reimbursable rates. Therefore, the Committee directs that funds appropriated under Operation and Maintenance, Navy may be used to pay overhead costs incurred by a Naval Shipyard when drydocking U.S. Coast Guard ships.

OPERATION AND MAINTENANCE, MARINE CORPS

Appropriations, 2008	$4,792,211,000
Budget estimate, 2009	5,597,254,000
Committee recommendation	5,533,448,000

The Committee recommends an appropriation of $5,533,448,000. This is $63,806,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, MARINE CORPS			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	EXPEDITIONARY FORCES			
10	OPERATIONAL FORCES	759,814	745,814	−14,000
20	FIELD LOGISTICS	611,660	582,460	−29,200
30	DEPOT MAINTENANCE	86,422	78,922	−7,500
	USMC PREPOSITIONING			
40	MARITIME PREPOSITIONING	73,725	73,725	
50	NORWAY PREPOSITIONING	5,217	5,217	
60	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	803,530	803,530	
70	BASE OPERATING SUPPORT	1,940,671	1,930,321	−10,350
	TOTAL, BUDGET ACTIVITY 1	4,281,039	4,219,989	−61,050
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
80	RECRUIT TRAINING	15,361	15,361	
90	OFFICER ACQUISITION	411	411	
	BASIC SKILLS AND ADVANCED TRAINING			
100	SPECIALIZED SKILLS TRAINING	56,106	56,106	
110	FLIGHT TRAINING	361	361	
120	PROFESSIONAL DEVELOPMENT EDUCATION	22,882	22,882	
130	TRAINING SUPPORT	312,339	312,339	
	RECRUITING AND OTHER TRAINING EDUCATION			
140	RECRUITING AND ADVERTISING	238,900	238,900	
150	OFF-DUTY AND VOLUNTARY EDUCATION	64,080	64,080	
160	JUNIOR ROTC	17,740	17,740	

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
170	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	55,737	55,737	.....
180	BASE OPERATING SUPPORT	155,530	155,530	.....
	TOTAL, BUDGET ACTIVITY 3	939,447	939,447	.....
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE SUPPORT			
190	SPECIAL SUPPORT	282,043	279,287	−2,756
200	SERVICEWIDE TRANSPORTATION	30,662	30,662	.....
210	ADMINISTRATION	45,545	45,545	.....
220	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	3,169	3,169	.....
230	BASE OPERATING SUPPORT	15,349	15,349	.....
	TOTAL, BUDGET ACTIVITY 4	376,768	374,012	−2,756
	TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS	5,597,254	5,533,448	−63,806

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
10	OPERATIONAL FORCES	759,814	745,814	−14,000
	Training Transformation Transfer Not Accounted For	.....	.....	−22,000
	Acclimate Flame Resistant High Performance Base Layers	.....	.....	+2,000
	Advanced Load Bearing Equipment	.....	.....	+2,000
	Combat Desert Jacket	.....	.....	+4,000
20	FIELD LOGISTICS	611,660	582,460	−29,200
	Removal of One-time Congressional Increases	.....	.....	−4,200
	General Staff and Management	.....	.....	−25,000
30	DEPOT MAINTENANCE	86,422	78,922	−7,500
	Decrease in Automotive Units for fiscal year 2009	.....	.....	−7,500
70	BASE OPERATING SUPPORT	1,940,671	1,930,321	−10,350
	Advisory Services Unjustified Growth	.....	.....	−10,000
	Installation Support Unjustified Growth	.....	.....	−5,000
	Telecom Upgrade to MCBH	.....	.....	+4,500
	U.S. Marine Corps Installation Access Enterprise Solution Project	.....	.....	+1,000
	Transfer to O&MDW (line 200) for the Bolden School	.....	.....	−850
190	SPECIAL SUPPORT	282,043	279,287	−2,756
	DFAS	.....	.....	−2,756

OPERATION AND MAINTENANCE, AIR FORCE

Appropriations, 2008 ..... $32,176,162,000
Budget estimate, 2009 35,902,487,000
Committee recommendation 35,171,715,000

The Committee recommends an appropriation of $35,171,715,000. This is $730,772,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, AIR FORCE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	PRIMARY COMBAT FORCES	4,158,181	3,806,081	−352,100
20	PRIMARY COMBAT WEAPONS	290,744	290,744	
30	COMBAT ENHANCEMENT FORCES	680,109	683,409	+3,300
40	AIR OPERATIONS TRAINING	1,545,613	1,545,613	
50	COMBAT COMMUNICATIONS	1,711,951	1,711,951	
60	DEPOT MAINTENANCE	2,751,194	2,378,194	−373,000
70	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	1,142,947	1,160,447	+17,500
80	BASE OPERATING SUPPORT	2,434,047	2,475,347	+41,300
	COMBAT RELATED OPERATIONS			
90	GLOBAL C3I AND EARLY WARNING	1,167,875	1,170,675	+2,800
100	NAVIGATION/WEATHER SUPPORT	277,681	277,681	
110	OTHER COMBAT OPERATIONS SUPPORT PROGRAMS	674,169	674,169	
130	MANAGEMENT/OPERATIONAL HEADQUARTERS	215,775	215,775	
140	TACTICAL INTELLIGENCE AND SPECIAL ACTIVITIES	546,822	546,822	
	SPACE OPERATIONS			
150	LAUNCH FACILITIES	340,385	340,385	
160	LAUNCH VEHICLES	33,390	33,390	
170	SPACE CONTROL SYSTEMS	228,617	228,617	
180	SATELLITE SYSTEMS	91,067	91,067	
190	OTHER SPACE OPERATIONS	326,784	326,784	
200	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	191,764	191,764	
210	BASE SUPPORT	675,821	675,821	
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	626,787	626,787	
230	COMBATANT COMMANDERS CORE OPERATIONS	195,714	195,714	
	TOTAL, BUDGET ACTIVITY 1	20,307,437	19,647,237	−660,200
	BUDGET ACTIVITY 2: MOBILIZATION			
	MOBILITY OPERATIONS			
240	AIRLIFT OPERATIONS	3,228,790	3,208,790	−20,000
250	AIRLIFT OPERATIONS C3I	91,392	91,392	
260	MOBILIZATION PREPAREDNESS	181,713	181,713	
270	PAYMENTS TO TRANSPORTATION BUSINESS AREA	308,895	307,681	−1,214
280	DEPOT MAINTENANCE	378,429	378,429	
290	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	242,505	258,505	+16,000
300	BASE SUPPORT	622,960	622,960	
	TOTAL, BUDGET ACTIVITY 2	5,054,684	5,049,470	−5,214
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
310	OFFICER ACQUISITION	88,547	89,147	+600
320	RECRUIT TRAINING	16,557	16,557	
330	RESERVE OFFICER TRAINING CORPS (ROTC)	108,730	108,730	
340	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	79,052	80,032	+980
350	BASE SUPPORT (ACADEMIES ONLY)	95,807	95,807	
	BASIC SKILLS AND ADVANCED TRAINING			
360	SPECIALIZED SKILL TRAINING	420,590	420,590	
370	FLIGHT TRAINING	948,787	948,787	
380	PROFESSIONAL DEVELOPMENT EDUCATION	178,749	181,749	+3,000
390	TRAINING SUPPORT	114,435	114,435	
400	DEPOT MAINTENANCE	14,711	14,711	
410	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	223,960	223,960	
420	BASE OPERATING SUPPORT (OTHER TRAINING)	648,618	648,618	
	RECRUITING, AND OTHER TRAINING AND EDUCATION			
430	RECRUITING AND ADVERTISING	196,140	139,140	−57,000
440	EXAMINING	5,242	5,242	
450	OFF DUTY AND VOLUNTARY EDUCATION	206,608	206,608	

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
460	CIVILIAN EDUCATION AND TRAINING	161,089	161,089	
470	JUNIOR ROTC	74,558	74,558	
	TOTAL, BUDGET ACTIVITY 3	3,582,180	3,529,760	−52,420
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	LOGISTICS OPERATIONS			
480	LOGISTICS OPERATIONS	917,794	914,795	−2,999
490	TECHNICAL SUPPORT ACTIVITIES	666,546	666,546	
500	SERVICEWIDE TRANSPORTATION	295,355	295,355	
510	DEPOT MAINTENANCE	68,869	68,869	
520	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	313,182	313,182	
530	BASE SUPPORT	1,192,616	1,192,616	
	SERVICEWIDE ACTIVITIES			
540	ADMINISTRATION	226,665	226,665	
550	SERVICEWIDE COMMUNICATIONS	576,493	576,493	
560	PERSONNEL PROGRAMS	231,919	231,919	
570	ARMS CONTROL	38,669	38,669	
580	OTHER SERVICEWIDE ACTIVITIES	851,904	844,376	−7,528
590	OTHER PERSONNEL SUPPORT	23,851	23,851	
600	CIVIL AIR PATROL CORPORATION	24,445	26,945	+2,500
610	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	51,377	51,377	
620	BASE OPERATING SUPPORT	358,164	358,164	
	SECURITY PROGRAMS			
630	SECURITY PROGRAMS	1,085,224	1,080,313	−4,911
	SUPPORT TO OTHER NATIONS			
640	INTERNATIONAL SUPPORT	35,113	35,113	
	TOTAL, BUDGET ACTIVITY 4	6,958,186	6,945,248	−12,938
	TOTAL, OPERATION AND MAINTENANCE, AIR FORCE	35,902,487	35,171,715	−730,772

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
10	PRIMARY COMBAT FORCES	4,158,181	3,806,081	−352,100
	Unexecutable Training Hours Due to Deployments			−400,000
	B–52 Flying Hours			+47,900
30	COMBAT ENHANCEMENT FORCES	680,109	683,409	+3,300
	O&M for 14 SIGINT Pods for Conventional Support			+3,300
60	DEPOT MAINTENANCE	2,751,194	2,378,194	−373,000
	F–15 Excess to Requirement			−422,000
	B–2 Excess to Requirement			−2,000
	B–52 Depot Maintenance			+48,000
	USAF Engine Trailer Life Extension Program			+3,000
70	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	1,142,947	1,160,447	+17,500
	Eielson Utilidors			+9,000
	Electrical Distribution Upgrade at Hickam			+8,500
80	BASE SUPPORT	2,434,047	2,475,347	+41,300
	11th Air Force Consolidated Command Center			+9,400
	11th Air Force Critical Communications Infrastructure			+4,800
	Alaska Land Mobile Radio			+2,900
	Alaskan NORAD Region Communications Survivability and Diversity			+5,300
	Eielson Air Force Base Coal-to-Liquid Initiative			+5,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Joint National Training Capability-Red Flag/Northern Edge Pacific Alaska Range Complex Environmental Assessment			+3,300
	Joint National Training Capability-Red Flag/Northern Edge Training Range Enhancements			+8,600
	Land Mobile Radios (LMR)			+2,000
90	GLOBAL C3I AND EARLY WARNING	1,167,875	1,170,675	+2,800
	National Security Space Institute			+2,800
240	AIRLIFT OPERATIONS	3,228,790	3,208,790	−20,000
	Historic Fact of Life Decreases			−20,000
270	PAYMENTS TO TRANSPORTATION BUSINESS AREA	308,895	307,681	−1,214
	Civilian Personnel			−1,214
290	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	242,505	258,505	+16,000
	C–17 Assault Landing Zone			+16,000
310	OFFICER ACQUISITION	88,547	89,147	+600
	Center for Space and Defense Studies			+600
340	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	79,052	80,032	+980
	Revitalize Buckley AFB Small Arms Training Range			+980
380	PROFESSIONAL DEVELOPMENT EDUCATION	178,749	181,749	+3,000
	Defense Critical Languages and Cultures Initiative—Angelo State University			+3,000
430	RECRUITING AND ADVERTISING	196,140	139,140	−57,000
	Public Outreach			−57,000
480	LOGISTICS OPERATIONS	917,794	914,795	−2,999
	Expeditionary Combat Support System			−5,499
	Advanced Ultrasonic Inspection of Aging Aircraft Structures			+1,000
	Mission Critical Power System Reliability Surveys			+1,500
580	OTHER SERVICEWIDE ACTIVITIES	851,904	844,376	−7,528
	Removal of One-time fiscal year 2008 Cost for Military Flight Operations Quality Assurance			−8,528
	Military Legal Assistance Clinic			+1,000
600	CIVIL AIR PATROL	24,445	26,945	+2,500
	Alaska Civil Air Patrol Strategic Upgrades and Training			+800
	Civil Air Patrol			+1,700
630	SECURITY PROGRAMS	1,085,224	1,080,313	−4,911
	Classified Program Adjustment			−4,911

Grand Forks Air Force Base, North Dakota, Infrastructure.—The Committee recognizes that the January 2008 United States Air Force Weapons Systems Roadmap anticipates a future KC–X tanker mission at Grand Forks Air Force Base after the departure of the base's current fleet of KC–135R tankers. Thus, the Committee directs the United States Air Force to prepare a report which recommends the best way to keep the base and its associated infrastructure viable until the potential arrival of KC–X tanker aircraft so it does not have to rebuild or recreate facilities and capabilities that now exist. This report shall be provided to the committee within 90 days of enactment of this legislation.

OPERATION AND MAINTENANCE, DEFENSE-WIDE

Appropriations, 2008	$22,693,617,000
Budget estimate, 2009	26,091,864,000
Committee recommendation	25,781,304,000

The Committee recommends an appropriation of $25,781,304,000. This is $310,560,000 below the budget estimate.

REVIEWED
By Roland Biser at 3:37 pm, Sep 19, 2008

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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, DEFENSE-WIDE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
10	JOINT CHIEFS OF STAFF	406,141	387,641	−18,500
20	SPECIAL OPERATIONS COMMAND	3,652,060	3,637,660	−14,400
	TOTAL, BUDGET ACTIVITY 1	4,058,201	4,025,301	−32,900
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
30	DEFENSE ACQUISITION UNIVERSITY	120,726	120,726	
40	NATIONAL DEFENSE UNIVERSITY	79,960	79,960	
	TOTAL, BUDGET ACTIVITY 3	200,686	200,686	
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
60	CIVIL MILITARY PROGRAMS	107,987	132,987	+25,000
90	DEFENSE BUSINESS TRANSFORMATION AGENCY	156,652	150,852	−5,800
100	DEFENSE CONTRACT AUDIT AGENCY	418,006	418,006	
120	DEFENSE INFORMATION SYSTEMS AGENCY	1,227,626	1,199,626	−28,000
140	DEFENSE LEGAL SERVICES AGENCY	31,905	31,905	
150	DEFENSE LOGISTICS AGENCY	345,838	354,838	+9,000
160	DEFENSE MEDIA ACTIVITY	213,808	213,808	
170	DEFENSE POW/MISSING PERSONS OFFICE	16,731	16,731	
180	DEFENSE TECHNOLOGY SECURITY AGENCY	33,468	33,468	
190	DEFENSE THREAT REDUCTION AGENCY	355,331	355,331	
200	DEPARTMENT OF DEFENSE DEPENDENTS EDUCATION	2,007,089	2,012,939	+5,850
210	DEFENSE HUMAN RESOURCES ACTIVITY	557,029	560,529	+3,500
220	DEFENSE CONTRACT MANAGEMENT AGENCY	1,066,462	1,066,462	
230	DEFENSE SECURITY COOPERATION AGENCY	880,024	680,024	−200,000
240	DEFENSE SECURITY SERVICE	452,531	452,531	
260	OFFICE OF ECONOMIC ADJUSTMENT	50,654	139,154	+88,500
270	OFFICE OF THE SECRETARY OF DEFENSE	1,709,174	1,730,107	+20,933
280	WASHINGTON HEADQUARTERS SERVICES	519,508	508,408	−11,100
	TOTAL, BUDGET ACTIVITY 4	10,149,823	10,057,706	−92,117
	IMPACT AID FOR CHILDREN WITH DISABILITIES		5,000	+5,000
999	OTHER PROGRAMS	11,683,154	11,492,611	−190,543
	TOTAL, OPERATION AND MAINTENANCE, DEFENSE-WIDE	26,091,864	25,781,304	−310,560

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
10	JOINT CHIEFS OF STAFF	406,141	387,641	−18,500
	Adaptive Planning Transfer Not Properly Accounted For			−18,500
20	SPECIAL OPERATIONS COMMAND	3,652,060	3,637,660	−14,400
	Removal of One-Time Fiscal Year 2008 Increase			−20,000
	O&M for Manned FMV/SIGINT a/c			+3,600
	O&M for Increased Crew Ratio for RC–26 Fleet			+2,000
60	CIVIL MILITARY PROGRAMS	107,987	132,987	+25,000
	National Guard Youth Challenge Program			+25,000

REVIEWED
By Roland Biser at 3:37 pm, Sep 19, 2008

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
90	DEFENSE BUSINESS TRANSFORMATION AGENCY	156,652	150,852	−5,800
	Electronic Commerce Transfer Not Accounted For			−5,800
120	DEFENSE INFORMATION SYSTEMS AGENCY	1,227,626	1,199,626	−28,000
	NECC			−25,000
	Cybersecurity Initiative			−3,000
150	DEFENSE LOGISTICS AGENCY	345,838	354,838	+9,000
	Procurement Technical Assistance Program (PTAP)			+9,000
200	DEPARTMENT OF DEFENSE EDUCATION AGENCY	2,007,089	2,012,939	+5,850
	Project SOAR (Student Online Achievement Resources Virtual School)			+5,000
	Transfer from O&MMC (line 70) for the Bolden School			+850
210	DOD HUMAN RESOURCES ACTIVITY	557,029	560,529	+3,500
	Defense Critical Languages and Cultures Program at University of Montana			+2,000
	Strategic Language Initiative			+1,500
230	DEFENSE SECURITY COOPERATION AGENCY	880,024	680,024	−200,000
	Global Train and Equip			−100,000
	Security and Stabilization			−100,000
260	OFFICE OF ECONOMIC ADJUSTMENT	50,654	139,154	+88,500
	Joint Tanana Range Access			+60,000
	Hunter's Point Naval Shipyard Improvements			+10,000
	Intermodal Marine Facility-Port of Anchorage			+10,000
	Phase II of Stabilization/Repair of the Ship Repair Facility at the Military Ocean Terminal			+8,500
270	OFFICE OF THE SECRETARY OF DEFENSE	1,709,174	1,730,107	+20,933
	AT&L: Defense Industrial Base Unjustified Growth			−1,000
	Policy: Strategic Communication and Integration			−3,067
	Aircraft Logging and Event Recording for Training and Safety (ALERTS)			+2,000
	Phased Redeployment Study			+3,000
	Readiness and Environmental Protection Initiative			+20,000
280	WASHINGTON HEADQUARTERS SERVICE	519,508	508,408	−11,100
	Removal of One-time fiscal year 2008 Increase			−20,200
	Commission on Wartime Contracting			+9,100
999	OTHER PROGRAMS	11,683,154	11,492,611	−190,543
	Classified Program Adjustment			−218,343
	Passive and Active Ground/Airborne SIGINT			+1,800
	Storage, Movement, and Access to FMV Data			+26,000
	UNDISTRIBUTED		5,000	+5,000
	Impact Aid for Children with Disabilities			+5,000

Global Train and Equip Program.—The Committee has provided $400,000,000 for the Global Train and Equip Program under the Defense Security Cooperation Agency. The Committee understands that this limited authority was designed as a pilot project to enhance our ongoing programs to train and equip allied nations' counterterrorism efforts. The Committee notes that the Department of State normally is tasked to perform this critical function, but that the Department of Defense requested the ability to augment these efforts due to the global war on terror. The Committee is strongly in favor of increasing our counterterrorism efforts around the globe but believes the responsibility to train and equip foreign military forces should rest with the Department of State. The Committee reluctantly supports the Defense Department's request during fiscal year 2009, and firmly believes that the Administration should request funds for this purpose in the Department of State's budget when this authority expires.

Legacy Resource Management Program.—The Committee encourages the Department to allocate sufficient funds for naval arche-

REVIEWED
By Roland Biser at 3:38 pm, Sep 19, 2008

ology programs in the Lake Champlain Basin. The Committee also encourages these Lake Champlain activities to expand to complete an underwater survey of the lake, as well as the development of a management protocol for French and British military vessels resting at the bottom of Lake Champlain.

Oil Refineries.—When making public contract announcements regarding the refining of fuel by U.S. companies, the U.S. Department of Defense should not provide the name of the country for which the fuel is being refined or the location of the facility that will refine the fuel.

OPERATION AND MAINTENANCE, ARMY RESERVE

Appropriations, 2008	$2,510,022,000
Budget estimate, 2009	2,642,341,000
Committee recommendation	2,641,226,000

The Committee recommends an appropriation of $2,641,226,000. This is $1,115,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, ARMY RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
10	MANEUVER UNITS	1,567	1,567	
20	MODULAR SUPPORT BRIGADES	16,419	16,419	
30	ECHELONS ABOVE BRIGADES	484,460	484,460	
40	THEATER LEVEL ASSETS	173,583	173,583	
50	LAND FORCES OPERATIONS SUPPORT	508,322	508,322	
60	AVIATION ASSETS	61,030	61,030	
	LAND FORCES READINESS			
70	FORCES READINESS OPERATIONS SUPPORT	254,901	254,901	
80	LAND FORCES SYSTEM READINESS	87,541	87,541	
90	DEPOT MAINTENANCE	108,191	108,191	
	LAND FORCES READINESS SUPPORT			
100	BASE OPERATIONS SUPPORT	548,086	548,086	
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	255,912	255,912	
120	ADDITIONAL ACTIVITIES	13,531	12,416	−1,115
	TOTAL, BUDGET ACTIVITY 1	2,513,543	2,512,428	−1,115
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
130	ADMINISTRATION	70,806	70,806	
140	SERVICEWIDE COMMUNICATIONS	6,189	6,189	
150	PERSONNEL/FINANCIAL ADMIN	8,491	8,491	
160	RECRUITING AND ADVERTISING	43,312	43,312	
	TOTAL, BUDGET ACTIVITY 4	128,798	128,798	
	TOTAL, OPERATION AND MAINTENANCE, ARMY RESERVE	2,642,341	2,641,226	−1,115

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
120	ADDITIONAL ACTIVITIES	13,531	12,416	−1,115
	Travel			−1,115

OPERATION AND MAINTENANCE, NAVY RESERVE

Appropriations, 2008	$1,148,083,000
Budget estimate, 2009	1,311,085,000
Committee recommendation	1,310,085,000

The Committee recommends an appropriation of $1,310,085,000. This is $1,000,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, NAVY RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	RESERVE AIR OPERATIONS			
10	MISSION AND OTHER FLIGHT OPERATIONS	604,501	604,501	
20	INTERMEDIATE MAINTENANCE	16,083	16,083	
30	AIR OPERATIONS AND SAFETY SUPPORT	3,156	3,156	
40	AIRCRAFT DEPOT MAINTENANCE	144,515	144,515	
50	AIRCRAFT DEPOT OPERATIONS SUPPORT	427	427	
	RESERVE SHIP OPERATIONS			
60	MISSION AND OTHER SHIP OPERATIONS	55,920	55,920	
70	SHIP OPERATIONAL SUPPORT AND TRAINING	595	595	
80	SHIP DEPOT MAINTENANCE	62,629	62,629	
	RESERVE COMBAT OPERATIONS SUPPORT			
90	COMBAT COMMUNICATIONS	14,834	14,834	
100	COMBAT SUPPORT FORCES	122,567	122,567	
	RESERVE WEAPONS SUPPORT			
110	WEAPONS MAINTENANCE	5,385	5,385	
120	ENTERPRISE INFORMATION TECHNOLOGY	92,327	92,327	
	BASE OPERATING SUPPORT			
130	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	61,680	61,680	
140	BASE OPERATING SUPPORT	111,296	111,296	
	TOTAL, BUDGET ACTIVITY 1	1,295,915	1,295,915	
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
150	ADMINISTRATION	3,341	3,341	
160	MILITARY MANPOWER & PERSONNEL	9,002	9,002	
170	SERVICEWIDE COMMUNICATIONS	2,396	2,396	
190	OTHER SERVICEWIDE SUPPORT	431	431	
	TOTAL, BUDGET ACTIVITY 4	15,170	15,170	

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	FISCAL YEAR 2008 FACT-OF-LIFE CHANGES NOT PROPERLY ACCOUNTED FOR		−1,000	−1,000
	TOTAL, OPERATION AND MAINTENANCE, NAVY RESERVE	1,311,085	1,310,085	−1,000

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	UNDISTRIBUTED		−1,000	−1,000
	Fiscal year 2008 Fact-Of-Life Changes Not Properly Accounted For			−1,000

OPERATION AND MAINTENANCE, MARINE CORPS RESERVE

Appropriations, 2008	$208,637,000
Budget estimate, 2009	213,131,000
Committee recommendation	213,131,000

The Committee recommends an appropriation of $213,131,000. 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, MARINE CORPS RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	EXPEDITIONARY FORCES			
10	OPERATING FORCES	54,848	54,848	
20	DEPOT MAINTENANCE	11,640	11,640	
30	TRAINING SUPPORT	29,296	29,296	
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	16,174	16,174	
50	BASE OPERATING SUPPORT	68,065	68,065	
	TOTAL, BUDGET ACTIVITY 1	180,023	180,023	
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
60	SPECIAL SUPPORT	7,616	7,616	
70	SERVICEWIDE TRANSPORTATION	815	815	
80	ADMINISTRATION	11,316	11,316	
90	RECRUITING AND ADVERTISING	8,712	8,712	
100	BASE OPERATING SUPPORT	4,649	4,649	
	TOTAL, BUDGET ACTIVITY 4	33,108	33,108	

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, OPERATION & MAINTENANCE, MARINE CORPS RESERVE	213,131	213,131	.....

OPERATION AND MAINTENANCE, AIR FORCE RESERVE

Appropriations, 2008	$2,815,417,000
Budget estimate, 2009	3,142,892,000
Committee recommendation	3,133,692,000

The Committee recommends an appropriation of $3,133,692,000. This is $9,200,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, AIR FORCE RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	PRIMARY COMBAT FORCES	2,150,860	2,150,860	.....
20	MISSION SUPPORT OPERATIONS	115,971	115,971	.....
30	DEPOT MAINTENANCE	379,452	379,452	.....
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	92,969	92,969	.....
50	BASE OPERATING SUPPORT	277,350	277,350	.....
	TOTAL, BUDGET ACTIVITY 1	3,016,602	3,016,602	.....
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
60	ADMINISTRATION	71,059	71,059	.....
70	RECRUITING AND ADVERTISING	25,392	25,392	.....
80	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	22,513	22,513	.....
90	OTHER PERSONNEL SUPPORT	6,625	6,625	.....
100	AUDIOVISUAL	701	701	.....
	TOTAL, BUDGET ACTIVITY 4	126,290	126,290	.....
	REMOVAL OF ONE-TIME CONGRESSIONAL INCREASES AND ONE COMPENSABLE DAY IN FISCAL YEAR 2009	.....	−9,200	−9,200
	TOTAL, OPERATION AND MAINTENANCE, AIR FORCE RESERVE	3,142,892	3,133,692	−9,200

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	UNDISTRIBUTED	.....	−9,200	−9,200

REVIEWED
By Roland Biser at 3:38 pm, Sep 19, 2008

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Removal of One Time Congressional Increases and One Less Compensable Day in fiscal year 2009			−9,200

OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD

Appropriations, 2008 ..... $5,764,858,000
Budget estimate, 2009 5,875,546,000
Committee recommendation 5,850,346,000

The Committee recommends an appropriation of $5,850,346,000. This is $25,200,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
10	MANEUVER UNITS	905,866	903,266	−2,600
20	MODULAR SUPPORT BRIGADES	159,765	159,765	
30	ECHELONS ABOVE BRIGADE	553,548	551,948	−1,600
40	THEATER LEVEL ASSETS	267,183	264,783	−2,400
50	LAND FORCES OPERATIONS SUPPORT	41,141	45,141	+4,000
60	AVIATION ASSETS	852,986	852,986	
	LAND FORCES READINESS			
70	FORCE READINESS OPERATIONS SUPPORT	316,359	317,159	+800
80	LAND FORCES SYSTEMS READINESS	120,210	122,210	+2,000
90	LAND FORCES DEPOT MAINTENANCE	367,551	367,551	
	LAND FORCES READINESS SUPPORT			
100	BASE OPERATIONS SUPPORT	756,579	757,679	+1,100
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	500,933	500,933	
120	MANAGEMENT & OPERATIONAL HEADQUARTERS	504,977	504,977	
130	MISCELLANEOUS ACTIVITIES	87,089	65,589	−21,500
	TOTAL, BUDGET ACTIVITY 1	5,434,187	5,413,987	−20,200
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
140	ADMINISTRATION	124,769	124,769	
150	SERVICEWIDE COMMUNICATIONS	50,668	50,668	
160	MANPOWER MANAGEMENT	7,679	7,679	
170	RECRUITING AND ADVERTISING	258,243	258,243	
	TOTAL, BUDGET ACTIVITY 4	441,359	441,359	
	ONE LESS COMPENSABLE DAY IN FISCAL YEAR 2009		−5,000	−5,000
	TOTAL, OPERATION & MAINTENANCE, ARMY NATIONAL GUARD	5,875,546	5,850,346	−25,200

REVIEWED
By Roland Biser at 3:39 pm, Sep 19, 2008

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
010	MANEUVER UNITS	905,866	903,266	−2,600
	Removal of One-time Congressional Increases			−2,600
030	ECHELONS ABOVE BRIGADE	553,548	551,948	−1,600
	Removal of One-time Congressional Increases			−1,600
040	THEATER LEVEL ASSETS	267,183	264,783	−2,400
	Removal of One-time Congressional Increases			−2,400
050	LAND FORCES OPERATIONS SUPPORT	41,141	45,141	+4,000
	Removal of One-time Congressional Increases			−1,000
	Expandable Light Air Mobility Shelters (ELAMS) and Contingency Response Communications System (CRCS)			+5,000
070	FORCE READINESS OPERATIONS SUPPORT	316,359	317,159	+800
	Removal of One-time Congressional Increases			−23,000
	2nd Generation Extended Cold Weather Clothing System (ECWCS)			+4,000
	Army National Guard Battery Modernization Program			+3,000
	Helmets to Hardhats			+3,200
	Joint Interagency Training and Education Center			+5,600
	Rapid Data Management System (RDMS)			+5,000
	WST-Florida National Guard			+3,000
080	LAND FORCES SYSTEMS READINESS	120,210	122,210	+2,000
	Removal of One-time Congressional Increases			−5,000
	Columbia Regional Geospatial Service Center System			+4,000
	Emergency Satellite Communications Packages			+3,000
100	BASE OPERATIONS SUPPORT	756,579	757,679	+1,100
	Removal of One-time Congressional Increases			−8,300
	Family Support Regional Training Pilot Program			+1,900
	Pennsylvania National Guard Integration of the Joint CONUS Communications Support Environment (JCCSE)			+2,500
	Vermont Army National Guard Mobile Back-Up Power			+1,000
	Vermont Service Member, Veteran, and Family Member Outreach, Readiness, and Reintegration Program			+4,000
130	ADDITIONAL ACTIVITIES	87,089	65,589	−21,500
	Removal of One-time Congressional Increases			−25,000
	Colorado National Guard Reintegration Program			+1,000
	Yellow Ribbon-Alaska National Guard			+500
	Yellow Ribbon Reintegration Program			+2,000
	UNDISTRIBUTED		−5,000	−5,000
	One Less Compensable Day in fiscal year 2009			−5,000

OPERATION AND MAINTENANCE, AIR NATIONAL GUARD

Appropriations, 2008	$5,468,710,000
Budget estimate, 2009	5,879,576,000
Committee recommendation	5,910,426,000

The Committee recommends an appropriation of $5,910,426,000. This is $30,850,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, AIR NATIONAL GUARD			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	AIRCRAFT OPERATIONS	3,580,927	3,580,927	
20	MISSION SUPPORT OPERATIONS	670,554	699,204	+28,650
30	DEPOT MAINTENANCE	691,199	691,199	
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	300,101	302,301	+2,200
50	BASE OPERATING SUPPORT	594,733	594,733	
	TOTAL, BUDGET ACTIVITY 1	5,837,514	5,868,364	+30,850
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE ACTIVITIES			
60	ADMINISTRATION	31,234	31,234	
70	RECRUITING AND ADVERTISING	10,828	20,828	+10,000
	TOTAL, BUDGET ACTIVITY 4	42,062	52,062	+10,000
	ONE LESS COMPENSABLE DAY IN YEAR 2009		−10,000	−10,000
	TOTAL, OPERATION & MAINTENANCE, AIR NATIONAL GUARD	5,879,576	5,910,426	+30,850

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
020	MISSION SUPPORT OPERATIONS	670,554	699,204	+28,650
	Technical Adjustment: Transfer to Recruiting and Advertising (line 70)			−10,000
	Active Noise Reduction Headsets			+1,000
	Controlled Humidity Protection (CHP)			+2,000
	Crypto-Linguist/Intelligence Officer Initiative			+800
	DART (DCGS Analysis and Reporting Team)			+3,000
	Joint Interagency Training and Education Center			+150
	National Guard and First Responder Resiliency Training			+1,500
	UAV Technology Evaluation Program			+3,000
	Unmanned Aerial System Mission Planning			+500
	Scathe View			+500
	Mobilized ANG Volunteers for DCGS PED			+7,400
	Mobilize Non-Mobilized ANG for DCGS PED			+18,800
040	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	300,101	302,301	+2,200
	Squadron Operations Facility Repair—Phase I			+2,200
070	RECRUITING AND ADVERTISING	10,828	20,828	+10,000
	Technical Adjustment: Transfer from Mission Support Operations (line 20)			+10,000
	UNDISTRIBUTED		−10,000	−10,000
	One Less Compensable Day in fiscal year 2009			−10,000

OVERSEAS CONTINGENCY OPERATIONS TRANSFER ACCOUNT

Appropriations, 2008	
Budget estimate, 2009	$9,101,000
Committee recommendation	

The Committee recommends no appropriation. This is $9,101,000 below the budget estimate. The Committee continues to believe that supplemental funding provides sufficient flexibility to meet contingency requirements.

U.S. Court of Appeals for the Armed Forces

Appropriations, 2008	$11,971,000
Budget estimate, 2009	13,254,000
Committee recommendation	13,254,000

The Committee recommends an appropriation of $13,254,000. This is equal to the budget estimate.

Environmental Restoration, Army

Appropriations, 2008	$439,879,000
Budget estimate, 2009	447,776,000
Committee recommendation	467,776,000

The Committee recommends an appropriation of $467,776,000. This is $20,000,000 above the budget estimate.

Environmental Restoration, Navy

Appropriations, 2008	$300,591,000
Budget estimate, 2009	290,819,000
Committee recommendation	290,819,000

The Committee recommends an appropriation of $290,819,000. This is equal to the budget estimate.

Environmental Restoration, Air Force

Appropriations, 2008	$458,428,000
Budget estimate, 2009	496,277,000
Committee recommendation	496,277,000

The Committee recommends an appropriation of $496,277,000. This is equal to the budget estimate.

Environmental Restoration, Defense-Wide

Appropriations, 2008	$12,751,000
Budget estimate, 2009	13,175,000
Committee recommendation	13,175,000

The Committee recommends an appropriation of $13,175,000. This is equal to the budget estimate.

Environmental Restoration, Formerly Used Defense Sites

Appropriations, 2008	$280,249,000
Budget estimate, 2009	257,796,000
Committee recommendation	307,796,000

The Committee recommends an appropriation of $307,796,000. This is $50,000,000 above the budget estimate to help address unfunded needs.

Overseas Humanitarian, Disaster, and Civic Aid

Appropriations, 2008	$103,300,000
Budget estimate, 2009	83,273,000
Committee recommendation	83,273,000

The Committee recommends an appropriation of $83,273,000. This is equal to the budget estimate.

FORMER SOVIET UNION THREAT REDUCTION

Appropriations, 2008	$428,048,000
Budget estimate, 2009	414,135,000
Committee recommendation	434,135,000

The Committee recommends an appropriation of $434,135,000. This is $20,000,000 above the budget estimate. The increase is consistent with S. 3001, the National Defense Authorization Act for Fiscal Year 2009 as reported.

TITLE III

PROCUREMENT

Funds appropriated under this title provide the resources required to purchase military equipment and hardware, including aircraft, ships, missiles, combat vehicles, ammunition, weapons, electronic sensors and communications equipment, and other procurement items.

The President's fiscal year 2009 budget requests a total of $102,132,287,000 for procurement appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends procurement appropriations totaling $101,663,231,000 for fiscal year 2009. This is $469,056,000 below the budget estimate.

Committee recommended procurement appropriations for fiscal year 2009 are summarized below:

SUMMARY OF PROCUREMENT APPROPRIATIONS

[In thousands of dollars]

Account	2009 budget estimate	Committee recommendation	Change from budget estimate
Aircraft Procurement, Army	5,009,835	4,771,484	−238,351
Missile Procurement, Army	2,211,460	2,210,460	−1,000
Procurement of Weapons and Tracked Combat Vehicles, Army	3,687,077	3,088,907	−598,170
Procurement of Ammunition, Army	2,275,791	2,294,391	+18,600
Other Procurement, Army	11,367,926	10,731,089	−636,837
Aircraft Procurement, Navy	14,716,774	14,264,899	−451,875
Weapons Procurement, Navy	3,575,482	3,380,918	−194,564
Procurement of Ammunition, Navy and Marine Corps	1,122,712	1,101,745	−20,967
Shipbuilding and Conversion, Navy	12,732,918	13,745,018	+1,012,100
Other Procurement, Navy	5,482,856	5,360,961	−121,895
Procurement, Marine Corps	1,512,765	1,398,432	−114,333
Aircraft Procurement, Air Force	12,676,496	12,850,172	+173,676
Missile Procurement, Air Force	5,536,728	5,420,528	−116,200
Procurement of Ammunition, Air Force	894,478	895,478	+1,000
Other Procurement, Air Force	16,128,396	16,132,171	+3,775
Procurement, Defense-Wide	3,164,228	3,179,013	+14,785
National Guard and Reserve Equipment	.....	750,000	+750,000
Defense Production Act Purchases	36,365	87,565	+51,200
Total	102,132,287	101,663,231	−469,056

COMMITTEE RECOMMENDATIONS

Based on a careful review of the Department's budget request, the Committee has recommended funding adjustments, displayed in tables for each appropriation account.

The Committee supports the Department's efforts to modernize, grow the ground combat force element, sustain training and reset equipment for units returning from operations in Iraq and Afghani-

stan to maintain overall force readiness. The recommended procurement funding provides sufficient funds to meet these critical tasks. The Committee recommendation adds resources specifically directed to meet the immediate needs of our forces in theater—these funds will dramatically increase the intelligence, surveillance and reconnaissance assets available in Iraq and Afghanistan and get the Future Combat Systems equipment out to the soldiers more rapidly. Other funding increases support the continued upgrade of National Guard equipment, address congressional priorities, correct shortfalls in the budget estimate and implement recommendations in S. 3001, the National Defense Authorization Act for Fiscal Year 2009 as reported.

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

PROCUREMENT OVERVIEW

Future Combat Systems [FCS] Restructure.—FCS remains the Army's top priority modernization program, designed to provide rapidly deployable, highly survivable and lethal forces. While the program has struggled with changing requirements and cost growth in recent years and undergone multiple restructures, the Committee remains supportive of the Army's goal to create a more capable and modern force. Most recently, the Army informed Congress of its intent to change the near-term focus of FCS by fielding available capabilities to Infantry Brigade Combat Teams, which are in high demand in the global war on terror, and deferring the fielding of these technologies to Heavy Brigade Combat Teams, which were originally slated to first receive the initial FCS spin outs. In support of this program shift, the Army has requested an adjustment to its fiscal year 2009 budget request for FCS from within program funds. The Committee supports the Army's plan to field proven technologies that provide immediate enhanced capabilities to the warfighter and fully supports the Army's requested program adjustments, as detailed below.

[In thousands of dollars]

	Amount
Weapons and Tracked Combat Vehicles, Army:	
Line 8, FCS Spin Outs	−137,679
Line 9, FCS Spin Outs Advance Procurement	+ 28,479
Research, Development, Test and Evaluation, Army:	
Line 89, Non Line of Sight Launch System	+8,600
Line 91, FCS Manned Ground Vehicles & Common Ground Vehicle	+11,000
Line 92, FCS System of Systems Engineer & Program Management	+5,500
Line 93, FCS Reconnaissance [UAV] Platforms	+11,000
Line 95, FCS Unattended Ground Sensors	+4,100
Line 96, FCS Sustainment & Training R&D	+19,000
Line 97, Modular Brigade Enhancement	+38,500
Research, Development, Test and Evaluation, Navy:	
Line 96, Joint Tactical Radio System—Navy	+11,500

Tactical Unmanned Aerial Vehicles [UAV].—The Committee recommendation includes a modification of a General Provision carried in prior years which prohibits the use of funds to transfer program authority for tactical unmanned aerial vehicles from the

Army, and directs that the Army shall retain responsibility and operational control of the Sky Warrior unmanned aerial vehicle.

The Deputy Secretary of Defense directed last year that the Army and the Air Force establish a common contract for procurement of MQ–1 Predator and MQ–1C Sky Warrior UAVs. An Acquisition Decision Memorandum dated May 19, 2008, directs the Air Force to adopt the MQ–1C airframe. However, the Air Force and the Department of Defense are currently evaluating proposals to redirect funds programmed in future years from MQ–1 Predators to MQ–9 Reapers. This issue is expected to be addressed in the fiscal year 2010 budget request.

The Committee is concerned that the introduction of limited numbers of MQ–1C into the Air Force inventory would reduce fleet commonalitiy and increase sustainment costs when future investment in the MQ–1 family of systems is being re-examined.

The General Provision restricts the obligation of funds under a common contract for MQ–1-type UAVs until the Secretary of Defense certifies to the congressional defense committees that a common contract would achieve cost savings, provide for interoperability with the current fleet and avoid undue sustainment costs.

F–35 Joint Strike Fighter.—The fiscal year 2009 budget requests funds to procure the third lot of Low Rate Initial Production aircraft and to fund advance procurement for the fourth lot in fiscal year 2010. The budget estimate plans a buy of eight Conventional Take Off and Landing [CTOL] aircraft for the Air Force at a cost of $1,673,787,000 and eight Short Take Off and Vertical Landing [STOVL] aircraft for the Marine Corps at a cost of $1,602,084,000. The request for advance procurement funding is $136,904,000 for 12 Air Force aircraft and $258,814,000 for 14 Marine Corps aircraft and 4 Navy Carrier Variant [CV] aircraft.

The Committee strongly supports the F–35 Joint Strike Fighter program. The aircraft is essential for the future combat capability of the United States and many partner nations. The progress made to date in meeting key performance goals for the aircraft is commendable. However, like all development efforts bringing new technologies to the warfighter, the program has not been without its challenges.

Last September, the program office implemented a Mid-Course Risk Reduction Plan to replenish up to $650,000,000 in the contractor's management reserve fund which had been depleted below acceptable levels. To harvest savings of this magnitude, the program office eliminated two test aircraft, streamlined the test program for more efficiency and accelerated personnel reductions. The program office recently extended the System Development and Demonstration phase of development by one year (to mid-2013) to more accurately reflect the work required to support Initial Operational Test and Evaluation. Cost growth continues to be a management concern due in part to necessary improvements to the STOVL engine which has required additional design, engineering and testing.

On the manufacturing side, the program is seeking improvements to enable ramping up to full production. The timing of design and drawing releases delayed suppliers in their component manufacturing and resulted in late deliveries of parts. This has been an area of focused management attention and remains a key

cause of production delays. Between 2004 and 2007, the manufacturing schedule was revised three times slowing first flight dates between 8 and 14 months. After the reduction of two test aircraft from the production plan, the program issued a new schedule showing additional delays of 4 to 6 months.

To reduce risk and future schedule instability, the Committee recommends deleting two aircraft—one Air Force CTOL and one Marine Corps STOVL—from fiscal year 2009 production. In addition, the advance procurement funding for Navy CV aircraft is reduced to reflect the current program office plan to build one, rather than four, aircraft in fiscal year 2010.

Military Tires.—The Committee remains concerned about the implementation of the Tire Commodity Management Privatization Initiative as outlined in Senate Report 110–155 to accompany the Department of Defense Appropriations Act for fiscal year 2008. The Committee believes that the Defense Logistics Agency should employ fair, equal and competitive procurement procedures among qualified manufacturers to ensure that, to the extent practicable under existing contracts, the Government receives the best value when procuring new tire types and tires newly added to the contract's industrial base requirements. Accordingly, the Defense Logistics Agency shall ensure that all tire manufacturers are provided access to the Government's forecasts for future tire needs.

AIRCRAFT PROCUREMENT, ARMY

Appropriations, 2008	$4,185,778,000
Budget estimate, 2009	5,009,835,000
Committee recommendation	4,771,484,000

The Committee recommends an appropriation of $4,771,484,000. This is $238,351,000 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:

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	AIRCRAFT PROCUREMENT, ARMY						
	AIRCRAFT						
	FIXED WING						
1	UTILITY F/W CARGO AIRCRAFT	7	$264,160	7	$264,160	.....	.....
	ROTARY						
3	ARMED RECONNAISSANCE HELICOPTER	28	358,841	10	174,600	−18	−$184,241
4	ARMED RECONNAISSANCE HELICOPTER (AP–CY)	.....	80,010	.....	.....	.....	−80,010
5	HELICOPTER, LIGHT UTILITY	36	224,518	44	257,118	+8	+32,600
6	UH–60 BLACKHAWK (MYP)	63	925,852	63	927,852	.....	+2,000
7	UH–60 BLACKHAWK (MYP) (AP–CY)	.....	137,175	.....	137,175	.....	.....
8	CH–47 HELICOPTER	16	443,519	16	383,519	.....	−60,000
10	HELICOPTER NEW TRAINING	.....	2,381	.....	2,381	.....	.....
	TOTAL, AIRCRAFT	.....	2,436,456	.....	2,146,805	.....	−289,651
	MODIFICATION OF AIRCRAFT						
12	GUARDRAIL MODS (TIARA)	.....	119,057	.....	112,857	.....	−6,200
13	MULTI SENSOR ABN RECON (MIP)	.....	23,297	.....	23,297	.....	.....
14	AH–64 MODS	.....	607,969	.....	607,969	.....	.....
15	AH–64 MODS (AP–CY)	.....	29,373	.....	29,373	.....	.....
16	CH–47 CARGO HELICOPTER MODS	.....	674,586	.....	677,586	.....	+3,000
17	CH–47 CARGO HELICOPTER MODS (AP–CY)	.....	49,619	.....	49,619	.....	.....
18	UTILITY/CARGO AIRPLANE MODS	.....	14,921	.....	14,921	.....	.....
19	AIRCRAFT LONG RANGE MODS	.....	577	.....	577	.....	.....
20	UH–60 MODS	.....	10,866	.....	20,866	.....	+10,000
21	KIOWA WARRIOR	.....	13,722	.....	58,222	.....	+44,500
22	AIRBORNE AVIONICS	.....	174,978	.....	174,978	.....	.....
23	GATM ROLLUP	.....	79,223	.....	79,223	.....	.....
	SPARES AND REPAIR PARTS						
24	SPARE PARTS (AIR)	.....	6,875	.....	6,875	.....	.....
	TOTAL, MODIFICATION OF AIRCRAFT	.....	1,805,063	.....	1,856,363	.....	+51,300

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	SUPPORT EQUIPMENT AND FACILITIES						
	GROUND SUPPORT AVIONICS						
25	AIRCRAFT SURVIVABILITY EQUIPMENT	.....	56,906	.....	56,906	.....	.....
26	ASE INFRARED CM	.....	433,941	.....	433,941	.....	.....
	OTHER SUPPORT.						
28	AVIONICS SUPPORT EQUIPMENT	.....	5,028	.....	5,028	.....	.....
29	COMMON GROUND EQUIPMENT	.....	103,882	.....	103,882	.....	.....
30	AIRCREW INTEGRATED SYSTEMS	.....	40,697	.....	40,697	.....	.....
31	AIR TRAFFIC CONTROL	.....	122,775	.....	122,775	.....	.....
32	INDUSTRIAL FACILITIES	.....	2,536	.....	2,536	.....	.....
33	LAUNCHER, 2.75 ROCKET	.....	2,442	.....	2,442	.....	.....
34	AIRBORNE COMMUNICATIONS	.....	109	.....	109	.....	.....
	TOTAL, SUPPORT EQUIPMENT AND FACILITIES	.....	768,316	.....	768,316	.....	.....
	TOTAL, AIRCRAFT PROCUREMENT, ARMY	.....	5,009,835	.....	4,771,484	.....	−238,351

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
3	ARMED RECONNAISSANCE HELICOPTER	358,841	174,600	−184,241
	Armed Reconnaissance Helicopter			−184,241
4	ARMED RECONNAISSANCE HELICOPTER	80,010		−80,010
	Advance Procurement			−80,010
5	HELICOPTER, LIGHT UTILITY (LUH)	224,518	257,118	+32,600
	Light Utility Helicopter			+32,600
6	UH–60 BLACKHAWK (MYP)	925,852	927,852	+2,000
	Aircraft Component Remediation			+2,000
8	CH–47 HELICOPTER (MYP)	443,519	383,519	−60,000
	Termination Liability—Excess to Need			−90,000
	SOF Aviation Commonality/Systems Engineering			+30,000
12	GUARDRAIL MODS (MIP)	119,057	112,857	−6,200
	ESA—Ahead of Need			−6,200
16	CH–47 CARGO HELICOPTER MODS	674,586	677,586	+3,000
	CAAS—Pilot Vehicle Interface			+2,000
	Vibration Management Enhancement Program			+1,000
20	UTILITY HELICOPTER MODS	10,866	20,866	+10,000
	HH–60A to HH–60L Upgrades for 204th TN ARNG			+8,000
	UH–60 MEDEVAC Thermal Imaging Upgrades			+2,000
21	KIOWA WARRIOR	13,722	58,222	+44,500
	Accelerate Safety Enhancement Program			+42,000
	Vibration Management Enhancement Program			+2,500

Armed Reconnaissance Helicopter.—The fiscal year 2009 budget requests $358,841,000 for procurement, $80,010,000 for advance procurement, and $135,652,000 in research, development, test and evaluation for the Armed Reconnaissance Helicopter [ARH]. ARH has experienced additional challenges since the Army lifted a stop-work order in June 2007, culminating in a Nunn-McCurdy notification to Congress on July 9, 2008, due to average procurement unit cost growth of approximately 43 percent.

As a result of the Nunn-McCurdy notification, ARH is undergoing a comprehensive program review, which includes an analysis of alternatives on how to address the scout helicopter role if ARH is unable to meet program goals. While System Development and Demonstration efforts are continuing, a decision on procurement of 10 ARH funded in fiscal year 2008 is delayed pending the completion of the program review, which is expected in September.

The Committee recommends $174,600,000 for the procurement of 10 ARH should the program be recertified following completion of the Nunn-McCurdy process, and transfers $42,000,000 to accelerate the safety enhancement program for the remaining unit of the Kiowa Warrior reconnaissance helicopter. The Committee fully funds the research, development, test and evaluation request under the assumption that appropriate funds would be applied toward a Kiowa Warrior Service Life Extension Program [SLEP] should the Army determine that a SLEP is necessary to meet aviation requirements.

CH–47 Chinook Helicopter.—The fiscal year 2009 budget request for production of new CH–47 aircraft totals $443,519,000, which includes $90,000,000 for termination liability that was identified as

excess to need. The Committee is now aware the funds no longer needed for termination liability may be needed in addition to funds beyond the original budget request to avoid a breach of the new multi-year procurement contract recently negotiated by the Army. A breach of contract would result in a return to single year contracts, the loss of $426,000,000 in savings, and a reduction in the number of aircraft procured across the future years defense program. The Committee is very concerned that insufficient funds are requested in the fiscal year 2009 budget to fully fund the signed multi-year procurement contract. As a result, the Committee directs the Army to notify the congressional defense committees of the amount of funding that is required in fiscal year 2009 to avoid contract breach and detail plans for how it intends to fully fund the new contract. The Committee expects this information to be submitted in time to inform decisions prior to enactment of the Department of Defense Appropriations Act for Fiscal Year 2009.

MISSILE PROCUREMENT, ARMY

Appropriations, 2008	$1,911,979,000
Budget estimate, 2009	2,211,460,000
Committee recommendation	2,210,460,000

The Committee recommends an appropriation of $2,210,460,000. This is $1,000,000 below the budget estimate.

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	MISSILE PROCUREMENT, ARMY						
	OTHER MISSILES						
	SURFACE-TO-AIR MISSILE SYSTEM						
1	PATRIOT SYSTEM SUMMARY	108	$512,086	108	$512,086	.....	.....
2	PATRIOT/MEADS CAP SYSTEM SUMMARY	.....	31,049	.....	31,049	.....	.....
3	PATRIOT/MEADS CAP SYSTEM SUMMARY (AP–CY)	.....	40,468	.....	40,468	.....	.....
	AIR-TO-SURFACE MISSILE SYSTEM.						
4	HELLFIRE SYS SUMMARY	.....	48,629	.....	48,629	.....	.....
	ANTI-TANK/ASSAULT MISSILE SYSTEM						
5	JAVELIN (AAWS–M) SYSTEM SUMMARY	605	259,326	605	259,326	.....	.....
6	TOW 2 SYSTEM SUMMARY	1,586	85,988	1,586	85,988	.....	.....
8	GUIDED MLRS ROCKET (GMLRS)	1,938	247,213	1,938	243,213	.....	−$4,000
9	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR)	4,014	25,300	4,014	25,300	.....	.....
10	HIMARS LAUNCHER	57	246,041	57	246,041	.....	.....
	TOTAL, OTHER MISSILES	.....	1,496,100	.....	1,492,100	.....	−4,000
	MODIFICATION OF MISSILES						
	MODIFICATIONS						
12	PATRIOT MODS	.....	524,500	.....	527,500	.....	+3,000
14	ITAS/TOW MODS	.....	137,109	.....	137,109	.....	.....
15	MLRS MODS	.....	1,872	.....	1,872	.....	.....
16	HIMARS MODIFICATIONS: (NON AAO)	.....	16,408	.....	16,408	.....	.....
	TOTAL, MODIFICATION OF MISSILES	.....	679,889	.....	682,889	.....	+3,000
	SPARES AND REPAIR PARTS						
18	SPARES AND REPAIR PARTS	.....	24,901	.....	24,901	.....	.....
	SUPPORT EQUIPMENT AND FACILITIES						
19	AIR DEFENSE TARGETS	.....	6,442	.....	6,442	.....	.....
20	ITEMS LESS THAN $5.0M (MISSILES)	.....	10	.....	10	.....	.....
21	PRODUCTION BASE SUPPORT	.....	4,118	.....	4,118	.....	.....

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	TOTAL, SUPPORT EQUIPMENT AND FACILITIES	.....	10,570	.....	10,570	.....	.....
	TOTAL, MISSILE PROCUREMENT, ARMY	.....	2,211,460	.....	2,210,460	.....	−1,000

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:

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 quantity	2009 budget estimate	Committee recommendation	Change from budget request
5	JAVELIN (AAWS–M) SYSTEM SUMMARY	605	259,326	259,326	
	All Up Rounds	605		[81,391]	
	Command and Launch Units	920		[125,239]	
8	GUIDED MLRS ROCKET (GMLRS)	1,938	247,213	243,213	−4,000
	Unit Cost Efficiencies				−4,000
12	PATRIOT MODS		524,500	527,500	+3,000
	PATRIOT Tactical Command Station (TCS)/Battery Command Post (BCP)				+3,000

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

Appropriations, 2008	$3,021,889,000
Budget estimate, 2009	3,687,077,000
Committee recommendation	3,088,907,000

The Committee recommends an appropriation of $3,088,907,000. This is $598,170,000 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:

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	PROCUREMENT OF W&TCV, ARMY						
	TRACKED COMBAT VEHICLES						
2	BRADLEY BASE SUSTAINMENT	.....	$171,989	.....	.....	.....	−$171,989
3	BRADLEY FVS TRAINING DEVICES (MOD)	.....	4,386	.....	$10,786	.....	+6,400
4	ABRAMS TANK TRAINING DEVICES	.....	.....	.....	3,000	.....	+3,000
5	STRYKER VEHICLE	119	1,174,947	119	869,047	.....	−305,900
6	FUTURE COMBAT SYSTEMS (FCS)	.....	128,419	.....	128,419	.....	.....
7	FUTURE COMBAT SYSTEMS (FCS) (AP–CY)	.....	26,164	.....	26,164	.....	.....
8	FCS SPIN OUTS	.....	161,879	.....	24,200	.....	−137,679
9	FCS SPIN OUTS (AP–CY)	.....	14,788	.....	43,267	.....	+28,479
	MODIFICATION OF TRACKED COMBAT VEHICLES						
11	FIST VEHICLE (MOD)	.....	33,426	.....	33,426	.....	.....
12	BFVS SERIES (MOD)	.....	311,925	.....	311,925	.....	.....
13	HOWITZER, MED SP FT 155MM M109A6 (MOD)	.....	28,913	.....	28,913	.....	.....
14	IMPROVED RECOVERY VEHICLE (M88 MOD)	39	132,701	39	132,701	.....	.....
15	ARMORED BREACHER VEHICLE	.....	34,713	.....	.....	.....	−34,713
17	JOINT ASSAULT BRIDGE	.....	40,464	.....	40,464	.....	.....
18	M1 ABRAMS TANK (MOD)	.....	341,569	.....	341,569	.....	.....
20	ABRAMS UPGRADE PROGRAM	.....	351,179	.....	351,179	.....	.....
	SUPPORT EQUIPMENT AND FACILITIES						
22	PRODUCTION BASE SUPPORT (TCV–WTCV)	.....	7,136	.....	7,136	.....	.....
	TOTAL, TRACKED COMBAT VEHICLES	.....	2,964,598	.....	2,352,196	.....	−612,402
	WEAPONS AND OTHER COMBAT VEHICLES						
23	HOWITZER, LIGHT, TOWED, 105MM, M119	68	118,431	68	118,431	.....	.....
24	M240 MEDIUM MACHINE GUN (7.62MM)	5,900	61,334	5,900	61,334	.....	
25	MACHINE GUN, CAL .50 M2 ROLL	.....	99,881	.....	99,881	.....	.....
26	M249 SAW MACHINE GUN (5.56MM)	5,150	22,134	5,150	22,134	.....	
27	MK–19 GRENADE MACHINE GUN (40MM)	785	17,328	785	17,328	.....	.....
28	MORTAR SYSTEMS	165	15,500	165	15,500	.....	.....
29	M107, CAL. 50, SNIPER RIFLE	.....	223	.....	223	.....	.....
30	XM320 GRENADE LAUNCHER MODULE (GLM)	.....	31,756	.....	31,756	.....	.....
31	XM110 SEMI-AUTOMATIC SNIPER SYSTEM (SASS)	508	7,407	508	7,407	.....	.....

32	M4 CARBINE	88,964	151,055	88,964	151,055	.....	.....
33	SHOTGUN, MODULAR ACCESSORY SYSTEM (MASS)	7,135	9,097	7,135	9,097	.....	.....
35	FUTURE HANDGUN SYSTEM (FHS)	.....	3,468	.....	.....	.....	−3,468
36	HOWITZER LT WT 155MM (T)	38	113,205	38	113,205	.....	.....
	MOD OF WEAPONS AND OTHER COMBAT VEHICLES						
37	MK–19 GRENADE MACHINE GUN MODS	.....	7,654	.....	7,654	.....	.....
38	M4 CARBINE MODS	.....	16,796	.....	16,796	.....	.....
40	M249 SAW MACHINE GUN MODS	.....	7,088	.....	7,088	.....	.....
41	M240 MEDIUM MACHINE GUN MODS	.....	21,128	.....	21,128	.....	.....
43	M119 MODIFICATIONS	.....	964	.....	964	.....	.....
44	M16 RIFLE MODS	.....	1,181	.....	1,181	.....	.....
45	MODIFICATIONS LESS THAN $5.0M (WOCV–WTCV)	.....	3,763	.....	3,763	.....	.....
	SUPPORT EQUIPMENT AND FACILITIES						
46	ITEMS LESS THAN $5.0M (WOCV–WTCV)	.....	2,187	.....	2,187	.....	.....
47	PRODUCTION BASE SUPPORT (WOCV–WTCV)	.....	6,545	.....	20,045	.....	+13,500
48	INDUSTRIAL PREPAREDNESS	.....	3,104	.....	7,304	.....	+4,200
49	SMALL ARMS (SOLDIER ENH PROG)	.....	1,250	.....	1,250	.....	.....
	TOTAL, WEAPONS AND OTHER COMBAT VEHICLES	.....	722,479	.....	736,711	.....	+14,232
	TOTAL, PROCUREMENT OF W&TCV, ARMY	.....	3,687,077	.....	3,088,907	.....	−598,170

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget request
2	BRADLEY BASE SUSTAINMENT	171,989		−171,989
	Funded in the fiscal year 2008 Supplemental			−171,989
3	BRADLEY FVS TRAINING DEVICES (MOD)	4,386	10,786	+6,400
	AB–FIST Gunnery Trainers for TN ARNG			+2,400
	AB–FIST Gunnery Trainer Upgrades for TN ARNG			+4,000
4	ABRAMS TANK TRAINING DEVICES		3,000	+3,000
	M1 Abrams Mobile Conduct of Fire Trainer Upgrades for TN ARNG			+3,000
5	STRYKER VEHICLE	1,174,947	869,047	−305,900
	Excess to need			−38,700
	Delay in the Mobile Gun System			−267,200
8	FCS SPIN OUTS	161,879	24,200	−137,679
	FCS Restructure			−137,679
9	FCS SPIN OUTS ADV PROC	14,788	43,267	+28,479
	FCS Restructure			+28,479
15	ARMORED BREACHER VEHICLE	34,713		−34,713
	Program delay			−34,713
35	FUTURE HANDGUN SYSTEM	3,468		−3,468
	No requirement			−3,468
47	PRODUCTION BASE SUPPORT (WOCV–WTCV)	6,545	20,045	+13,500
	Arsenal Support Program Initiative, Rock Island			+8,500
	Arsenal Support Program Initiative, Watervliet			+5,000
48	INDUSTRIAL PREPAREDNESS	3,104	7,304	+4,200
	Joint Manufacturing and Technology Center Equipment, Rock Island Arsenal			+4,200

Stryker Mobile Gun System.—Section 117 of Public Law 110–181, the National Defense Authorization Act for fiscal year 2008, prohibits obligating funds for the Stryker Mobile Gun System until 30 days after the Secretary of the Army certifies to Congress that the system is operationally effective, suitable and survivable or until the Secretary of Defense notifies Congress that the system is needed for national security despite not meeting operational effectiveness, suitability or survivability goals. The Committee recently received the letter signed by the Secretary of Defense with the determination that it is in the national security interest of the United States to proceed with a limited procurement of the Mobile Gun System. The Army is hopeful that they will be able to award a contract in July 2008. The original plan was to award a contract in February 2008. Based on the delay in contract award, the Committee recommends a reduction of $267,200,000 in the fiscal year 2009 program.

PROCUREMENT OF AMMUNITION, ARMY

Appropriations, 2008	$2,223,176,000
Budget estimate, 2009	2,275,791,000
Committee recommendation	2,294,391,000

The Committee recommends an appropriation of $2,294,391,000. This is $18,600,000 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:

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	PROCUREMENT OF AMMUNITION, ARMY						
	AMMUNITION						
	SMALL/MEDIUM CAL AMMUNITION						
1	CTG, 5.56MM, ALL TYPES		$197,130		$197,130		
2	CTG, 7.62MM, ALL TYPES		59,181		59,181		
3	CTG, 9MM, ALL TYPES		6,276		6,276		
4	CTG, .50 CAL, ALL TYPES		183,813		183,813		
6	CTG, 25MM, ALL TYPES		14,742		14,742		
7	CTG, 30MM, ALL TYPES		79,066		79,066		
8	CTG, 40MM, ALL TYPES		293,322		293,322		
	MORTAR AMMUNITION						
9	60MM MORTAR, ALL TYPES		17,055		19,055		+$2,000
10	81MM MORTAR, ALL TYPES		58,521		58,521		
11	CTG, MORTAR, 120MM, ALL TYPES		117,601		119,601		+2,000
	TANK AMMUNITION						
12	CTG TANK 105MM: ALL TYPES		15,829		15,829		
13	120MM TANK TRAINING, ALL TYPES		151,015		151,015		
	ARTILLERY AMMUNITION						
14	CTG ARTY 75MM, ALL TYPES		2,741		2,741		
15	CTG ARTY 105MM, ALL TYPES		42,153		42,153		
16	CTG, ARTY, 155MM, ALL TYPES		85,030		87,030		+2,000
17	PROJ, 155MM EXTENDED RANGE XM982		34,220		34,220		
18	MODULAR ARTILLERY CHARGE SYSTEM (MACS)		43,338		43,338		
	ARTILLERY FUZES						
19	ARTILLERY FUZES, ALL TYPES		19,969		19,969		
	MINES						
20	MINE, TRAINING, ALL TYPES		4,846		4,846		
21	MINE, CLEARING CHARGE, ALL TYPES		2,606		2,606		
22	ANTIPERSONNEL LANDMINE ALTERNATIVES		52,000		52,000		

	ROCKETS						
23	SHOULDER FIRED ROCKETS, ALL TYPES	.....	28,020	.....	28,020	.....	.....
24	ROCKET, HYDRA 70, ALL TYPES	.....	142,521	.....	142,521	.....	.....
	OTHER AMMUNITION						
25	DEMOLITION MUNITIONS, ALL TYPES	.....	28,886	.....	32,886	.....	+4,000
26	GRENADES, ALL TYPES	.....	71,608	.....	76,608	.....	+5,000
27	SIGNALS, ALL TYPES	.....	89,357	.....	89,357	.....	.....
29	SIMULATORS, ALL TYPES	.....	20,027	.....	20,027	.....	.....
	MISCELLANEOUS						
34	AMMO COMPONENTS, ALL TYPES	.....	15,228	.....	15,228	.....	.....
35	NON-LETHAL AMMUNITION, ALL TYPES	.....	21,193	.....	21,193	.....	.....
36	CAD/PAD ALL TYPES	.....	2,806	.....	2,806	.....	.....
37	ITEMS LESS THAN $5 MILLION	.....	6,996	.....	6,996	.....	.....
38	AMMUNITION PECULIAR EQUIPMENT	.....	10,598	.....	12,698	.....	+2,100
39	FIRST DESTINATION TRANSPORTATION (AMMO)	.....	12,564	.....	12,564	.....	.....
40	CLOSEOUT LIABILITIES	.....	100	.....	100	.....	.....
	TOTAL, AMMUNITION	.....	1,930,358	.....	1,947,458	.....	+17,100
	AMMUNITION PRODUCTION BASE SUPPORT						
	PRODUCTION BASE SUPPORT						
41	PROVISION OF INDUSTRIAL FACILITIES	.....	187,388	.....	188,888	.....	+1,500
42	LAYAWAY OF INDUSTRIAL FACILITIES	.....	5,085	.....	5,085	.....	.....
43	MAINTENANCE OF INACTIVE FACILITIES	.....	5,619	.....	5,619	.....	.....
44	CONVENTIONAL MUNITIONS DEMILITARIZATION, ALL	.....	144,327	.....	144,327	.....	.....
45	ARMS INITIATIVE	.....	3,014	.....	3,014	.....	.....
	TOTAL, AMMUNITION PRODUCTION BASE SUPPORT	.....	345,433	.....	346,933	.....	+1,500
	TOTAL, PROCUREMENT OF AMMUNITION, ARMY	.....	2,275,791	.....	2,294,391	.....	+18,600

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget request
9	60 MM MORTAR, ALL TYPES	17,055	19,055	+2,000
	60 mm Mortar, All Types			+2,000
11	CTG, MORTAR, 120 MM, ALL TYPES	117,601	119,601	+2,000
	CTG, Mortar, 120 mm, All Types			+2,000
16	CTG, ARTY, 155 MM, ALL TYPES	85,030	87,030	+2,000
	CTG, Arty, 155 mm, All Types			+2,000
25	DEMOLITION MUNITIONS, ALL TYPES	28,886	32,886	+4,000
	Rapid Wall Breaching Kit (RWBK)			+4,000
26	GRENADES, ALL TYPES	71,608	76,608	+5,000
	Grenades, All Types			+5,000
38	AMMUNITION PECULIAR EQUIPMENT	10,598	12,698	+2,100
	Supercritical Water Oxidation, Bluegrass Army Depot			+2,100
41	PROVISION OF INDUSTRIAL FACILITIES	187,388	188,888	+1,500
	Ammunition Production Base Support (Scranton AAP)—Electrical Substations Upgrade			+1,500

OTHER PROCUREMENT, ARMY

Appropriations, 2008	$11,428,027,000
Budget estimate, 2009	11,367,926,000
Committee recommendation	10,731,089,000

The Committee recommends an appropriation of $10,731,089,000. This is $636,837,000 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:

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	OTHER PROCUREMENT, ARMY						
	TACTICAL AND SUPPORT VEHICLES						
	TACTICAL VEHICLES						
1	TACTICAL TRAILERS/DOLLY SETS	.....	$88,428	.....	$88,428	.....	.....
2	SEMITRAILERS, FLATBED	.....	62,345	.....	62,345	.....	.....
3	SEMITRAILERS, TANKERS	.....	47,476	.....	47,476	.....	.....
4	HI MOB MULTI-PURP WHLD VEH (HMMWV)	.....	946,734	.....	836,034	.....	−$110,700
5	FAMILY OF MEDIUM TACTICAL VEH (FMTV)	.....	944,687	.....	444,687	.....	−500,000
6	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMENT	.....	19,378	.....	20,578	.....	+1,200
7	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	.....	923,348	.....	924,348	.....	+1,000
8	ARMORED SECURITY VEHICLES (ASV)	.....	195,385	.....	195,385	.....	.....
9	MINE PROTECTION VEHICLE FAMILY	.....	182,367	.....	187,367	.....	+5,000
10	TRUCK, TRACTOR, LINE HAUL, M915/M916	.....	14,870	.....	14,870	.....	.....
11	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV	.....	213,341	.....	213,341	.....	.....
13	MODIFICATION OF IN SVC EQUIP	.....	32,219	.....	32,219	.....	.....
14	ITEMS LESS THAN $5.0M (TAC VEH)	.....	511	.....	3,511	.....	+3,000
15	TOWING DEVICE-FIFTH WHEEL	.....	218	.....	218	.....	.....
	NON-TACTICAL VEHICLES						
16	HEAVY ARMORED SEDAN	.....	595	.....	595	.....	.....
17	PASSENGER CARRYING VEHICLES	.....	280	.....	280	.....	.....
18	NONTACTICAL VEHICLES, OTHER	.....	3,380	.....	3,380	.....	.....
	TOTAL, TACTICAL AND SUPPORT VEHICLES	.....	3,675,562	.....	3,075,062	.....	−600,500
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	COMM—JOINT COMMUNICATIONS						
20	JOINT COMBAT IDENTIFICATION MARKING SYSTEM	.....	12,910	.....	12,910	.....	.....
21	WIN-T—GROUND FORCES TACTICAL NETWORK	.....	287,605	.....	245,605	.....	−42,000
22	JCSE EQUIPMENT (USREDCOM)	.....	4,114	.....	4,114	.....	.....
	COMM—SATELLITE COMMUNICATIONS						
24	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS	.....	88,286	.....	69,886	.....	−18,400
25	SHF TERM	.....	298	.....	298	.....	.....

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
26	SAT TERM, EMUT (SPACE)		807		807		
27	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE)		92,311		93,311		+1,000
28	SMART-T (SPACE)		85,286		85,286		
29	SCAMP (SPACE)		993		993		
30	GLOBAL BRDCST SVC—GBS		35,385		35,385		
31	MOD OF IN-SVC EQUIP (TAC SAT)		6,075		7,775		+1,700
	COMM—C3 SYSTEM						
32	ARMY GLOBAL CMD & CONTROL SYS (AGCCS)		33,513		28,791		−4,722
	COMM—COMBAT COMMUNICATIONS						
33	ARMY DATA DISTRIBUTION SYSTEM (DATA RADIO)		36,077		36,077		
34	RADIO TERMINAL SET, MIDS LVT		8,570		8,570		
35	SINCGARS FAMILY		84,888		86,888		+2,000
36	AMC CRITICAL ITEMS—OPA2		4,073		4,073		
37	MULTI-PURPOSE INFORMATION OPERATIONS SYSTEMS		7,801		7,801		
39	COMMS-ELEC EQUIP FIELDING		7,828		17,128		+9,300
40	SPIDER APLA REMOTE CONTROL UNIT		18,000		18,000		
41	SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS		7,545		7,545		
42	COMBAT SURVIVOR EVADER LOCATOR (CSEL)		16,155		16,155		
43	RADIO, IMPROVED HF FAMILY		48,436		48,436		
44	MEDICAL COMM FOR CBT CASUALTY CARE (MC4)		38,281		38,281		
	COMM—INTELLIGENCE COMM						
45	CI AUTOMATION ARCHITECTURE		1,500		1,500		
	INFORMATION SECURITY						
46	TSEC—ARMY KEY MGT SYS (AKMS)		34,774		34,774		
47	INFORMATION SYSTEM SECURITY PROGRAM—ISSP		76,570		76,570		
	COMM—LONG HAUL COMMUNICATIONS						
48	TERRESTRIAL TRANSMISSION		9,167		9,167		
49	BASE SUPPORT COMMUNICATIONS		35,120		35,120		
51	WW TECH CON IMP PROG (WWTCIP)		28,736		28,736		
	COMM—BASE COMMUNICATIONS						
52	INFORMATION SYSTEMS		278,999		278,999		

53	DEFENSE MESSAGE SYSTEM (DMS)	.....	6,726	.....	6,726	.....	.....
54	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	.....	231,336	.....	233,336	.....	+2,000
55	PENTAGON INFORMATION MGT AND TELECOM	.....	33,317	.....	33,317	.....	.....
	ELECT EQUIP—NAT INT PROG (NIP)						
	ELECT EQUIP—NAT INTEL PROG (NIP)						
58	ALL SOURCE ANALYSIS SYS (ASAS) (MIP)	.....	58,333	.....	58,333	.....	.....
59	JTT/CIBS–M (MIP)	.....	11,377	.....	11,377	.....	.....
60	PROPHET GROUND (MIP)	.....	114,085	.....	114,085	.....	.....
61	TACTICAL UNMANNED AERIAL SYS (TUAS)MIP	.....	316,598	.....	272,298	.....	−44,300
62	SMALL UNMANNED AERIAL SYSTEM (SUAS)	.....	30,023	.....	30,023	.....	.....
63	DIGITAL TOPOGRAPHIC SPT SYS (DTSS) (MIP)	.....	26,802	.....	26,802	.....	.....
66	DCGS–A (MIP)	.....	177,973	.....	177,973	.....	.....
67	TROJAN (MIP)	.....	10,409	.....	10,409	.....	.....
68	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)	.....	2,423	.....	2,423	.....	.....
69	CI HUMINT INFO MANAGEMENT SYSTEM (CHIMS)	.....	37,632	.....	37,632	.....	.....
70	SEQUOYAH FOREIGN LANGUAGE TRANSLATION SYSTEM	.....	6,358	.....	6,358	.....	.....
71	ITEMS LESS THAN $5.0M (MIP)	.....	27,731	.....	30,731	.....	+3,000
	ELECT EQUIP—ELECTRONIC WARFARE (EW)						
72	LIGHTWEIGHT COUNTER MORTAR RADAR	.....	46,397	.....	46,397	.....	.....
74	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES	.....	993	.....	993	.....	.....
75	CI MODERNIZATION (MIP)	.....	1,297	.....	1,297	.....	.....
	ELECT EQUIP—TACTICAL SURV. (TAC SURV)						
76	SENTINEL MODS	.....	33,142	.....	33,142	.....	.....
77	NIGHT VISION DEVICES	.....	465,592	.....	467,092	.....	+1,500
78	LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM	.....	210,766	.....	210,766	.....	.....
79	NIGHT VISION, THERMAL WPN SIGHT	.....	416,866	.....	416,866	.....	.....
80	RADIATION MONITORING SYSTEMS	.....	3,440	.....	1,890	.....	−1,550
82	ARTILLERY ACCURACY EQUIP	.....	447	.....	447	.....	.....
84	ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE	.....	2,579	.....	2,579	.....	.....
85	PROFILER	.....	12,517	.....	12,517	.....	.....
86	MOD OF IN-SVC EQUIP (FIREFINDER RADARS)	.....	16,342	.....	16,342	.....	.....
87	FORCE XXI BATTLE CMD BRIGADE & BELOW (FBCB2)	.....	231,651	.....	231,651	.....	.....
88	LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER (LLD	.....	150,094	.....	118,514	.....	−31,580
89	COMPUTER BALLISTICS: LHMBC XM32	.....	2,269	.....	2,269	.....	.....
90	MORTAR FIRE CONTROL SYSTEM	.....	21,037	.....	21,037	.....	.....
91	COUNTERFIRE RADARS	.....	107,061	.....	107,061	.....	.....
93	ENHANCED SENSOR & MONITORING SYSTEM	.....	1,987	.....	1,987	.....	.....

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	ELECT EQUIP—TACTICAL C2 SYSTEMS						
94	TACTICAL OPERATIONS CENTERS		196,245		196,245		
95	FIRE SUPPORT C2 FAMILY		53,908		55,908		+ 2,000
96	BATTLE COMMAND SUSTAINMENT SUPPORT SYSTEM		36,829		36,829		
97	FAAD C2		7,489		7,489		
98	AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD		57,674		57,674		
99	KNIGHT FAMILY		100,709		100,709		
100	LIFE CYCLE SOFTWARE SUPPORT (LCSS)		2,101		2,101		
101	AUTOMATIC IDENTIFICATION TECHNOLOGY		83,530		86,030		+ 2,500
102	TC AIMS II		31,879		31,879		
103	JOINT NETWORK MANAGEMENT SYSTEM (JNMS)		11,059		11,059		
104	TACTICAL INTERNET MANAGER		4,809		4,809		
105	DATA PRODUCTS		30,077		30,077		
106	MANEUVER CONTROL SYSTEM (MCS)		123,009		123,009		
107	SINGLE ARMY LOGISTICS ENTERPRISE (SALE)		67,960		67,960		
108	MOUNTED BATTLE COMMAND ON THE MOVE (MBCOTM)		25,869		25,869		
	ELECT EQUIP—AUTOMATION						
109	GENERAL FUND ENTERPRISE BUSINESS SYSTEM		30,137		30,137		
110	ARMY TRAINING MODERNIZATION		13,481		13,481		
111	AUTOMATED DATA PROCESSING EQUIP		105,343		105,343		
112	CSS COMMUNICATIONS		36,744		36,744		
113	RESERVE COMPONENT AUTOMATION SYS (RCAS)		42,462		42,462		
	ELECT EQUIP—AUDIO VISUAL SYS (A/V)						
115	ITEMS LESS THAN $5.0M (A/V)		6,677		6,677		
116	ITEMS LESS THAN $5M (SURVEYING EQUIPMENT)		12,613		12,613		
117	WEAPONIZATION OF UNMANNED AERIAL SYSTEM (UAS)		15,124		15,124		
	ELECT EQUIP—SUPPORT						
118	ITEMS UNDER $5M (SSE)		6,517		6,517		
119	PRODUCTION BASE SUPPORT (C–E)		514		514		
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT		5,308,462		5,190,910		−117,552

	OTHER SUPPORT EQUIPMENT						
	CHEMICAL DEFENSIVE EQUIPMENT						
120	PROTECTIVE SYSTEMS	.....	1,085	.....	1,085	.....	.....
122	CBRN SOLDIER PROTECTION	.....	58,426	.....	58,426	.....	.....
123	SMOKE & OBSCURANT FAMILY: SOF (NON AAO ITEM)	.....	16,814	.....	16,814	.....	.....
	BRIDGING EQUIPMENT						
124	TACTICAL BRIDGING	.....	93,930	.....	93,930	.....	.....
125	TACTICAL BRIDGE, FLOAT-RIBBON	.....	147,270	.....	147,270	.....	.....
	ENGINEER (NON-CONSTRUCTION) EQUIPMENT						
126	HANDHELD STANDOFF MINEFIELD DETECTION SYS—HST	.....	46,007	.....	46,007	.....	.....
127	GRND STANDOFF MINE DETECTION SYSTEM (GSTAMIDS	.....	46,783	.....	46,783	.....	.....
128	EXPLOSIVE ORDNANCE DISPOSAL EQPMT (EOD EQPMT)	.....	58,437	.....	61,437	.....	+3,000
129	ITEMS LESS THAN $5M, COUNTERMINE EQUIPMENT	.....	3,192	.....	3,192	.....	.....
130	AERIAL DETECTION	.....	12,773	.....	12,773	.....	.....
	COMBAT SERVICE SUPPORT EQUIPMENT						
131	HEATERS AND ECU'S	.....	12,996	.....	12,996	.....	.....
132	LAUNDRIES, SHOWERS AND LATRINES	.....	7,002	.....	7,002	.....	.....
133	SOLDIER ENHANCEMENT	.....	9,898	.....	9,898	.....	.....
134	LIGHTWEIGHT MAINTENANCE ENCLOSURE (LME)	.....	.....	.....	5,400	.....	+5,400
137	FIELD FEEDING EQUIPMENT	.....	70,847	.....	70,847	.....	.....
138	CARGO AERIAL DELIVERY PROGRAM	.....	63,420	.....	63,420	.....	.....
139	MOBILE INTEGRATED REMAINS COLLECTION SYSTEM	.....	17,803	.....	17,803	.....	.....
140	ITEMS LESS THAN $5.0M (ENG SPT EQ)	.....	32,602	.....	32,602	.....	.....
	PETROLEUM EQUIPMENT						
142	QUALITY SURVEILLANCE EQUIPMENT	.....	1,285	.....	.....	.....	−1,285
143	DISTRIBUTION SYSTEMS, PETROLEUM & WATER	.....	61,545	.....	61,545	.....	.....
	WATER EQUIPMENT						
144	WATER PURIFICATION SYSTEMS	.....	51,164	.....	51,164	.....	.....
	MEDICAL EQUIPMENT						
145	COMBAT SUPPORT MEDICAL	.....	62,336	.....	65,336	.....	+3,000
	MAINTENANCE EQUIPMENT						
146	MOBILE MAINTENANCE EQUIPMENT SYSTEMS	.....	57,994	.....	57,994	.....	.....
147	ITEMS LESS THAN $5.0M (MAINT EQ)	.....	1,329	.....	1,329	.....	.....
	CONSTRUCTION EQUIPMENT						
148	GRADER, ROAD MTZD, HVY, 6X4 (CCE)	.....	37,698	.....	37,698	.....	.....
149	SKID LOADER (SSL) FAMILY OF SYSTEM	.....	19,943	.....	19,943	.....	.....

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
151	DISTR, WATER, SP MIN 2500G SEC/NON-SEC		6,555		6,555		
152	MISSION MODULES—ENGINEERING		31,525		31,525		
153	LOADERS		27,988		27,988		
154	HYDRAULIC EXCAVATOR		9,565		9,565		
155	TRACTOR, FULL TRACKED		33,727		33,727		
157	PLANT, ASPHALT MIXING		7,906		7,906		
158	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)		54,508		54,508		
159	CONST EQUIP ESP		44,703		44,703		
160	ITEMS LESS THAN $5.0M (CONST EQUIP)		17,030		17,030		
	RAIL FLOAT CONTAINERIZATION EQUIPMENT						
161	JOINT HIGH SPEED VEHICLE (JHSV)	1	168,846	1	168,846		
162	HARBORMASTER COMMAND & CONTROL CENTER (HCCC)		17,615		17,615		
164	ITEMS LESS THAN $5.0M (FLOAT/RAIL)		7,803		7,803		
	GENERATORS						
165	GENERATORS AND ASSOCIATED EQUIP		217,749		217,749		
	MATERIAL HANDLING EQUIPMENT						
166	ROUGH TERRAIN CONTAINER HANDLER (RTCH)		45,000		45,000		
167	ALL TERRAIN LIFTING ARMY SYSTEM		48,981		48,981		
	TRAINING EQUIPMENT						
168	COMBAT TRAINING CENTERS (CTC) SUPPORT		16,508		16,508		
169	TRAINING DEVICES, NONSYSTEM		218,614		274,314		+55,700
170	CLOSE COMBAT TACTICAL TRAINER		60,676		60,676		
171	AVIATION COMBINED ARMS TACTICAL TRAINER (AVCA		23,106		23,106		
	TEST MEASURE AND DIG EQUIPMENT (TMD)						
172	CALIBRATION SETS EQUIPMENT		9,689		9,689		
173	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)		46,296		46,296		
174	TEST EQUIPMENT MODERNIZATION (TEMOD)		22,377		22,377		
	OTHER SUPPORT EQUIPMENT						
175	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT		20,190		23,190		+3,000
176	PHYSICAL SECURITY SYSTEMS (OPA3)		104,774		106,774		+2,000
177	BASE LEVEL COM'L EQUIPMENT		4,123		14,523		+10,400

178	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)	.....	45,741	.....	45,741	.....	.....
179	PRODUCTION BASE SUPPORT (OTH)	.....	3,107	.....	3,107	.....	.....
181	SPECIAL EQUIPMENT FOR USER TESTING	.....	24,201	.....	24,201	.....	.....
182	AMC CRITICAL ITEMS OPA3	.....	10,826	.....	10,826	.....	.....
183	MA8975	.....	2,624	.....	2,624	.....	.....
	TOTAL, OTHER SUPPORT EQUIPMENT	.....	2,344,932	.....	2,426,147	.....	+81,215
	SPARE AND REPAIR PARTS						
184	INITIAL SPARES—C&E	.....	36,334	.....	36,334	.....	.....
	TOTAL, SPARE AND REPAIR PARTS	.....	36,334	.....	36,334	.....	.....
	CLASSIFIED PROGRAMS	.....	2,636	.....	2,636	.....	.....
	TOTAL, OTHER PROCUREMENT, ARMY	.....	11,367,926	.....	10,731,089	.....	−636,837

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
4	HI MOB MULTI-PURP WHLD VEH (HMMWV)	946,734	836,034	−110,700
	ECV variants, funded ahead of need			−113,200
	Fire Suppression Panels			+2,500
5	FAMILY OF MEDIUM TACTICAL VEH (FMTV)	944,687	444,687	−500,000
	Funded in the fiscal year 2008 Supplemental			−500,000
6	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMENT	19,378	20,578	+1,200
	Aircraft Rescue Fire Fighter Vehicles for Camp Ripley, MN			+1,200
7	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	923,348	924,348	+1,000
	Ground Guidance for Army Movement Tracking System			+1,000
9	MINE PROTECTION VEHICLE FAMILY	182,367	187,367	+5,000
	Detonation Suppression System			+5,000
14	ITEMS LESS THAN $5.0M (TAC VEH)	511	3,511	+3,000
	Polaris Defense All Terrain Ultra Light Tactical Vehicles			+3,000
21	WIN–T GROUND FORCES TACTICAL NETWORK	287,605	245,605	−42,000
	Authorization reduction			−42,000
24	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS	88,286	69,886	−18,400
	Upgrade program funded ahead of need			−18,400
27	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE)	92,311	93,311	+1,000
	Embedded GPS Receivers for NC ARNG			+1,000
31	MOD OF IN-SVC EQUIP (TAC SAT)	6,075	7,775	+1,700
	Joint Task Force-Alaska Deployable Communications			+1,700
32	ARMY GLOBAL CMD & CONTROL SYS	33,513	28,791	−4,722
	Authorization reduction			−4,722
35	SINCGARS FAMILY	84,888	86,888	+2,000
	Radio Personality Modules for SINCGARS Test Sets			+2,000
39	COMMUNICATIONS ELECTRONICS EQUIPMENT FIELDING	7,828	17,128	+9,300
	Phoenix Quad-Band Satellite Receiver Terminals for DE ARNG			+5,000
	Aircraft Landing System			+1,000
	Helicopter Civil Band Radio Communication System			+1,300
	Satellite Multi-Modal Collaborative Crisis and Training Network			+2,000
54	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	231,336	233,336	+2,000
	Information Technology Upgrades at the Detroit Arsenal			+2,000
61	TACTICAL UNMANNED AERIAL SYSTEM (TUAS)(MIP)	316,598	272,298	−44,300
	Army requested transfer to RDA, line 175			−49,300
	MQ–5B Hunter UAV			+5,000
71	ITEMS LESS THAN $5.0M (MIP)	27,731	30,731	+3,000
	Wideband Imagery Dissemination System for the ARNG			+3,000
77	NIGHT VISION DEVICES	465,592	467,092	+1,500
	AN/PSQ–23 Small Tactical Optical Rifle Mounted Micro-Laser Range Finder			+1,500
80	RADIATION MONITORING SYSTEMS	3,440	1,890	−1,550
	Funded in the fiscal year 2008 Supplemental			−1,550
88	LIGHTWEIGHT LASER DESIGNATOR/RANGEFINDER	150,094	118,514	−31,580
	Funded in the fiscal year 2008 Supplemental			−31,580
95	FIRE SUPPORT C2 FAMILY	53,908	55,908	+2,000
	Advanced Field Artillery Tactical Data Systems			+2,000
101	AUTOMATIC IDENTIFICATION TECHNOLOGY	83,530	86,030	+2,500
	Army Aviation-Automatic Identification Technology Life Cycle Asset			+2,500
128	EXPLOSIVE ORDNANCE DISPOSAL EQPMT	58,437	61,437	+3,000
	FIDO Explosive Detector			+3,000
134	LIGHTWEIGHT MAINTENANCE ENCLOSURE		5,400	+5,400
	Lightweight Maintenance Enclosure			+5,400
142	QUALITY SURVEILLANCE EQUIPMENT	1,285		−1,285
	Funded in the fiscal year 2008 Supplemental			−1,285
145	COMBAT SUPPORT MEDICAL	62,336	65,336	+3,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Future Medical Shelter System [FMSS]			+3,000
169	TRAINING DEVICES, NONSYSTEM	218,614	274,314	+55,700
	1/25th Range Upgrades			+7,000
	Call for Fire Trainer II/Joint Fires and Effects Trainer System			+4,500
	Combat Arms Training Systems (FATS upgrade)			+2,000
	Combined Arms Virtual Trainer for TN ARNG			+5,000
	Deployable, Mobile Digital Target System for Armor and Infantry for TN ARNG			+500
	Engagement Skill Trainer 2000 for TN ARNG			+1,000
	I–HITS for Montana Joint Training			+3,000
	Immersive Group Simulation Virtual Training Systems for the HI ARNG			+1,500
	Instrumentation for Urban Assault Course, Tullahoma, TN			+1,200
	Laser Collective Combat Advanced Training Systems			+4,000
	Muscatatuck Urban Training Center Instrumentation			+2,000
	Training Range Enhancements			+20,000
	Virtual Interactive Combat Environment for NJ ARNG			+4,000
175	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	20,190	23,190	+3,000
	New Combat Helmet			+3,000
176	PHYSICAL SECURITY SYSTEMS	104,774	106,774	+2,000
	Ballistic Protection for Remote Forward Operating Bases			+2.000
177	BASE LEVEL COM'L EQUIPMENT	4,123	14,523	+10,400
	Fort Knox Godman Airfield Area Surveillance Radar			+10,400

High Mobility Multi-Purpose Wheeled Vehicles [HMMWV].—The Committee is concerned with the threat of soldiers and marines becoming trapped in overturned HMMWVS, and encourages the Army and Marine Corps to outfit deployed HMMWVS with a means of rapid emergency egress for use in the event that the vehicle's doors are inoperable.

AIRCRAFT PROCUREMENT, NAVY

Appropriations, 2008	$12,464,284,000
Budget estimate, 2009	14,716,774,000
Committee recommendation	14,264,899,000

The Committee recommends an appropriation of $14,264,899,000. This is $451,875,000 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:

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	AIRCRAFT PROCUREMENT, NAVY						
	COMBAT AIRCRAFT						
1	AV-8B (V/STOL)HARRIER (MYP)	.....	$3,401	.....	$3,401	.....	.....
2	EA-18G	22	1,604,800	22	1,604,800	.....	.....
3	EA-18G (AP-CY)	.....	46,831	.....	46,831	.....	.....
4	F/A-18E/F (FIGHTER) HORNET (MYP)	23	1,868,688	23	1,868,688	.....	.....
5	F/A-18E/F (FIGHTER) HORNET (MYP) (AP-CY)	.....	42,616	.....	42,616	.....	.....
6	JOINT STRIKE FIGHTER	8	1,602,084	7	1,439,284	−1	−$162,800
7	JOINT STRIKE FIGHTER ADVANCE PROCUREMENT (CY)	.....	258,814	.....	215,684	.....	−43,130
8	V-22 (MEDIUM LIFT)	30	2,133,401	30	2,133,401	.....	.....
9	V-22 (MEDIUM LIFT) (AP-CY)	.....	87,000	.....	87,000	.....	.....
10	UH-1Y/AH-1Z	20	474,141	18	433,341	−2	−40,800
11	MH-60S (MYP)	18	470,455	18	443,055	.....	−27,400
12	MH-60S (MYP) (AP-CY)	.....	79,215	.....	79,215	.....	.....
13	MH-60R	31	1,045,004	31	1,045,004	.....	.....
14	MH-60R (AP-CY)	.....	140,759	.....	140,759	.....	.....
	VH-71 ADVANCE PROCUREMENT	.....	.....	.....	42,000	.....	+42,000
15	P-8 MMA ADVANCE PROCUREMENT	.....	110,568	.....	110,568	.....	.....
16	E-2C (EARLY WARNING) HAWKEYE (MYP)	3	496,374	2	330,874	−1	−165,500
17	E-2C (EARLY WARNING) HAWKEYE (MYP) (AP-CY)	.....	92,749	.....	92,749	.....	.....
	TOTAL, COMBAT AIRCRAFT	.....	10,556,900	.....	10,159,270	.....	−397,630
	AIRLIFT AIRCRAFT						
18	C-40A	2	154,994	2	154,994	.....	.....
	TOTAL, AIRLIFT AIRCRAFT	.....	154,994	.....	154,994	.....	.....
	TRAINER AIRCRAFT						
20	JPATS	44	289,253	44	289,253	.....	.....
	TOTAL, TRAINER AIRCRAFT	.....	289,253	.....	289,253	.....	.....
	OTHER AIRCRAFT						
21	KC-130J	2	119,545	.....	.....	−2	−119,545

22	KC-130J (AP-CY)	.....	33,932	.....	33,932	.....	.....
24	VTUAV	3	55,337	3	55,337	.....	.....
	TOTAL, OTHER AIRCRAFT	.....	208,814	.....	89,269	.....	−119,545
	MODIFICATION OF AIRCRAFT						
26	EA-6 SERIES	.....	33,436	.....	33,436	.....	.....
27	AV-8 SERIES	.....	51,093	.....	51,093	.....	.....
29	F-18 SERIES	.....	450,909	.....	458,509	.....	+7,600
30	H-46 SERIES	.....	34,636	.....	34,636	.....	.....
31	AH-1W SERIES	.....	6,375	.....	6,375	.....	.....
32	H-53 SERIES	.....	56,381	.....	73,181	.....	+16,800
33	SH-60 SERIES	.....	72,493	.....	72,493	.....	.....
34	H-1 SERIES	.....	8,901	.....	8,901	.....	.....
35	EP-3 SERIES	.....	72,370	.....	72,370	.....	.....
36	P-3 SERIES	.....	297,896	.....	297,896	.....	.....
38	E-2 SERIES	.....	11,489	.....	31,489	.....	+20,000
39	TRAINER A/C SERIES	.....	26,160	.....	26,160	.....	.....
40	C-2A	.....	22,120	.....	22,120	.....	.....
41	C-130 SERIES	.....	6,468	.....	6,468	.....	.....
42	FEWSG	.....	671	.....	671	.....	.....
43	CARGO/TRANSPORT A/C SERIES	.....	17,952	.....	17,952	.....	.....
44	E-6 SERIES	.....	88,894	.....	88,894	.....	.....
45	EXECUTIVE HELICOPTERS SERIES	.....	31,819	.....	51,819	.....	+20,000
46	SPECIAL PROJECT AIRCRAFT	.....	14,113	.....	14,113	.....	.....
47	T-45 SERIES	.....	67,666	.....	67,666	.....	.....
48	POWER PLANT CHANGES	.....	28,219	.....	28,219	.....	.....
49	JPATS SERIES	.....	8,892	.....	8,892	.....	.....
50	AVIATION LIFE SUPPORT MODS	.....	7,190	.....	7,190	.....	.....
51	COMMON ECM EQUIPMENT	.....	66,425	.....	73,925	.....	+7,500
52	COMMON AVIONICS CHANGES	.....	148,940	.....	148,940	.....	.....
53	COMMON DEFENSIVE WEAPON SYSTEM	.....	10,786	.....	7,286	.....	−3,500
54	ID SYSTEMS	.....	12,032	.....	12,032	.....	.....
55	V-22 (TILT/ROTOR ACFT) OSPREY	.....	41,473	.....	41,473	.....	.....
	TOTAL, MODIFICATION OF AIRCRAFT	.....	1,695,799	.....	1,764,199	.....	+68,400
	AIRCRAFT SPARES AND REPAIR PARTS						
56	SPARES AND REPAIR PARTS	.....	1,229,135	.....	1,222,035	.....	−7,100
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES						
57	COMMON GROUND EQUIPMENT	.....	442,390	.....	446,390	.....	+4,000

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
58	AIRCRAFT INDUSTRIAL FACILITIES	.....	11,068	.....	11,068	.....	.....
59	WAR CONSUMABLES	.....	62,256	.....	62,256	.....	.....
60	OTHER PRODUCTION CHARGES	.....	27,870	.....	27,870	.....	.....
61	SPECIAL SUPPORT EQUIPMENT	.....	36,539	.....	36,539	.....	.....
62	FIRST DESTINATION TRANSPORTATION	.....	1,756	.....	1,756	.....	.....
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT & FACILITIES	.....	581,879	.....	585,879	.....	+4,000
	TOTAL, AIRCRAFT PROCUREMENT, NAVY	.....	14,716,774	.....	14,264,899	.....	−451,875

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
6	JOINT STRIKE FIGHTER	1,602,084	1,439,284	−162,800
	Defer 1 aircraft			−162,800
7	JOINT STRIKE FIGHTER ADVANCE PROCUREMENT	258,814	215,684	−43,130
	Schedule change			−43,130
10	UH–1Y/AH–1Z	474,141	433,341	−40,800
	Defer 2 UH–1Y			−40,800
11	MH–60S (MYP)	470,455	443,055	−27,400
	AMCM kits, funded early to need			−27,400
	VH–71 ADVANCE PROCUREMENT		42,000	+42,000
	Advance procurement funds for six aircraft			+42,000
16	E–2C/D HAWKEYE	496,374	330,874	−165,500
	Authorization reduction			−165,500
21	KC–130J	119,545		−119,545
	Funded in the fiscal year 2008 Supplemental			−119,545
29	F–18 SERIES	450,909	458,509	+7,600
	F/A–18 Expand 4/5 Upgrade for USMC			+7,600
32	H–53 SERIES	56,381	73,181	+16,800
	Transfer from fiscal year 2008 Supplemental for IMDS			+9,800
	Integrated Mechanical Diagnostics Health and Usage Management System and Condition Based Maintenance for the H–53E			+5,000
	Advanced Helicopter Emergency Egress Lighting System			+2,000
38	E–2 SERIES	11,489	31,489	+20,000
	Reliability enhancements for E–2C			+20,000
45	EXECUTIVE HELICOPTERS SERIES	31,819	51,819	+20,000
	Reliability enhancements for Presidential Aircraft			+20,000
51	COMMON ECM EQUIPMENT	66,425	73,925	+7,500
	AN/AAR–47 C(V)2 Missile Warning System Upgrade			+4,000
	Common ECM Equipment (ALQ–214)			+3,500
53	COMMON DEFENSIVE WEAPON SYSTEM	10,786	7,286	−3,500
	Funded in the fiscal year 2008 Supplemental			−3,500
56	SPARES AND REPAIR PARTS	1,229,135	1,222,035	−7,100
	Reduction in aircraft buys			−7,100
57	COMMON GROUND EQUIPMENT	442,390	446,390	+4,000
	Direct Squadron Support Readiness Training Program			+4,000

UH–1Y Helicopter.—The fiscal year 2009 budget requests funds to procure 13 UH–1Y aircraft, an increase of 2 over the fiscal year 2008 buy of 11 UH–1Y helicopters. The planned increase may not be achievable. In June 2007, the program office reported that they were about 5 months behind schedule due to problems with parts delivery and a miscalculation of the labor requirement but they planned to be back on track by the summer of 2008. Recently, an 8-month production delay due to necessary corrections in the cabin assembly was reported. The Committee recommends a reduction of two aircraft and $48,000,000 keeping UH–1Y production at the 2008 level.

F/A–18 Super Hornet.—The Committee is concerned about a shortfall in the Navy's strike-fighter inventory created by the aging of the older F/A–18 models and the fact that the F–35 Joint Strike Fighter program will not start delivering carrier aircraft in significant numbers for several years. In the most optimistic scenario, the shortfall is approximately 69 aircraft; it could be well above that level. To ensure that Navy has sufficient aircraft for the fleet, the

Committee encourages Navy to budget for a third multi-year procurement of F/A–18s beginning in fiscal year 2010. In addition, the Committee recommends that Navy invest in cost reduction measures which will yield future savings for this program.

WEAPONS PROCUREMENT, NAVY

Appropriations, 2008	$3,113,987,000
Budget estimate, 2009	3,575,482,000
Committee recommendation	3,380,918,000

The Committee recommends an appropriation of $3,380,918,000. This is $194,564,000 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:

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	WEAPONS PROCUREMENT, NAVY						
	BALLISTIC MISSILES						
	MODIFICATION OF MISSILES						
1	TRIDENT II MODS	24	$1,093,168	24	$1,093,168	.....	.....
	SUPPORT EQUIPMENT AND FACILITIES						
2	MISSILE INDUSTRIAL FACILITIES	.....	3,496	.....	3,496	.....	.....
	TOTAL, BALLISTIC MISSILES	.....	1,096,664	.....	1,096,664	.....	.....
	OTHER MISSILES						
	STRATEGIC MISSILES						
3	TOMAHAWK	207	281,096	207	281,096	.....	.....
	TACTICAL MISSILES						
4	AMRAAM	147	146,830	63	101,230	−84	−$45,600
5	SIDEWINDER	205	57,497	205	57,497	.....	.....
6	JSOW	496	149,144	496	149,144	.....	.....
8	STANDARD MISSILE	70	227,958	70	227,958	.....	.....
9	RAM	90	74,287	90	74,287	.....	.....
10	HELLFIRE	1,068	95,358	1,068	95,358	.....	.....
11	AERIAL TARGETS	.....	83,313	.....	83,313	.....	.....
12	OTHER MISSILE SUPPORT	.....	9,478	.....	9,478	.....	.....
	MODIFICATION OF MISSILES						
13	ESSM	86	85,061	86	85,061	.....	.....
14	HARM MODS	.....	42,735	.....	42,735	.....	.....
15	STANDARD MISSILES MODS	.....	77,360	.....	77,360	.....	.....
	SUPPORT EQUIPMENT AND FACILITIES						
16	WEAPONS INDUSTRIAL FACILITIES	.....	3,266	.....	41,266	.....	+38,000
17	FLEET SATELLITE COMM FOLLOW-ON	.....	479,680	.....	316,180	.....	−163,500
18	FLEET SATELLITE COMM FOLLOW-ON (AP–CY)	.....	27,776	.....	27,776	.....	.....

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	ORDNANCE SUPPORT EQUIPMENT						
19	ORDNANCE SUPPORT EQUIPMENT	.....	43,708	.....	43,708	.....	.....
	TOTAL, OTHER MISSILES	.....	1,884,547	.....	1,713,447	.....	−171,100
	TORPEDOES AND RELATED EQUIPMENT						
	TORPEDOES AND RELATED EQUIPMENT						
21	ASW TARGETS	.....	8,929	.....	8,929	.....	.....
	MOD OF TORPEDOES AND RELATED EQUIP						
22	MK–46 TORPEDO MODS	120	77,782	90	62,182	−30	−15,600
23	MK–48 TORPEDO ADCAP MODS	.....	61,545	.....	61,545	.....	.....
24	QUICKSTRIKE MINE	.....	3,506	.....	3,506	.....	.....
	SUPPORT EQUIPMENT						
25	TORPEDO SUPPORT EQUIPMENT	.....	36,002	.....	36,002	.....	.....
26	ASW RANGE SUPPORT	.....	9,872	.....	9,872	.....	.....
	DESTINATION TRANSPORTATION						
27	FIRST DESTINATION TRANSPORTATION	.....	3,442	.....	3,442	.....	.....
	TOTAL, TORPEDOES AND RELATED EQUIPMENT	.....	201,078	.....	185,478	.....	−15,600
	OTHER WEAPONS						
	GUNS AND GUN MOUNTS						
28	SMALL ARMS AND WEAPONS	.....	13,619	.....	13,619	.....	.....
	MODIFICATION OF GUNS AND GUN MOUNTS						
29	CIWS MODS	.....	167,967	.....	167,967	.....	.....
30	COAST GUARD WEAPONS	.....	21,082	.....	13,218	.....	−7,864
31	GUN MOUNT MODS	.....	60,061	.....	60,061	.....	.....
32	.....	.....	2,786	.....	2,786	.....	.....
33	CRUISER MODERNIZATION WEAPONS	.....	45,168	.....	45,168	.....	.....
34	AIRBORNE MINE NEUTRALIZATION SYSTEMS	.....	8,618	.....	8,618	.....	.....

	OTHER						
35	MARINE CORPS TACTIAL UNMANNED AERIAL SYSTEM	.....	20,532	.....	20,532	.....	.....
	TOTAL, OTHER WEAPONS	.....	339,833	.....	331,969	.....	−7,864
37	SPARES AND REPAIR PARTS	.....	53,360	.....	53,360	.....	.....
	TOTAL, WEAPONS PROCUREMENT, NAVY	.....	3,575,482	.....	3,380,918	.....	−194,564

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 quantity	2009 budget estimate	Committee recommendation	Change from budget request
4	AMRAAM	147	146,830	101,230	−45,600
	Smooth Production Ramp	63			−45,600
16	WEAPONS INDUSTRIAL FACILITIES		3,266	41,266	+38,000
	ABL Restoration Plan				+38,000
17	FLEET SATELLITE COMM FOLLOW-ON		479,680	316,180	−163,500
	MUOS SV–2–Program delay				−163,500
22	MK–46 TORPEDO MODS	120	77,782	62,182	−15,600
	Program Adjustment	90			−15,600
30	COAST GUARD WEAPONS		21,082	13,218	−7,864
	MK 110-Funding Ahead of Need				−7,864

PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS

Appropriations, 2008	$1,064,432,000
Budget estimate, 2009	1,122,712,000
Committee recommendation	1,101,745,000

The Committee recommends an appropriation of $1,101,745,000. This is $20,967,000 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:

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	PROCUREMENT OF AMMO, NAVY & MARINE CORPS						
	PROC AMMO, NAVY						
	NAVY AMMUNITION						
1	GENERAL PURPOSE BOMBS	.....	$168,437	.....	$146,437	.....	−$22,000
2	JDAM	169	9,306	169	9,306	.....	.....
3	AIRBORNE ROCKETS, ALL TYPES	.....	32,250	.....	32,250	.....	.....
4	MACHINE GUN AMMUNITION	.....	18,916	.....	18,916	.....	.....
5	PRACTICE BOMBS	.....	39,419	.....	39,419	.....	.....
6	CARTRIDGES & CART ACTUATED DEVICES	.....	46,644	.....	46,644	.....	.....
8	AIR EXPENDABLE COUNTERMEASURES	.....	79,805	.....	79,805	.....	.....
9	JATOS	.....	3,178	.....	3,178	.....	.....
10	MK 258 MOD 1	.....	967	.....	.....	.....	−967
11	5 INCH/54 GUN AMMUNITION	.....	20,959	.....	20,959	.....	.....
12	INTERMEDIATE CALIBER GUN AMMUNITION	.....	15,780	.....	15,780	.....	.....
13	OTHER SHIP GUN AMMUNITION	.....	35,111	.....	35,111	.....	.....
14	SMALL ARMS & LANDING PARTY AMMO	.....	45,129	.....	45,129	.....	.....
15	PYROTECHNIC AND DEMOLITION	.....	10,464	.....	10,464	.....	.....
16	AMMUNITION LESS THAN $5 MILLION	.....	3,207	.....	3,207	.....	.....
	TOTAL, PROC AMMO, NAVY	.....	529,572	.....	506,605	.....	−22,967
	PROC AMMO, MC						
	MARINE CORPS AMMUNITION						
17	SMALL ARMS AMMUNITION	.....	108,436	.....	108,436	.....	.....
20	LINEAR CHARGES, ALL TYPES	.....	17,677	.....	17,677	.....	.....
22	40 MM, ALL TYPES	.....	60,433	.....	60,433	.....	.....
23	60MM, ALL TYPES	.....	44,846	.....	44,846	.....	.....
24	81MM, ALL TYPES	.....	54,879	.....	54,879	.....	.....
25	120MM, ALL TYPES	.....	87,500	.....	87,500	.....	.....
26	CTG 25MM, ALL TYPES	.....	2,300	.....	2,300	.....	.....
28	GRENADES, ALL TYPES	.....	39,038	.....	41,038	.....	+2,000
29	ROCKETS, ALL TYPES	.....	26,087	.....	26,087	.....	.....
30	ARTILLERY, ALL TYPES	.....	117,213	.....	117,213	.....	.....

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
32	DEMOLITION MUNITIONS, ALL TYPES	.....	18,974	.....	18,974	.....	.....
33	FUZE, ALL TYPES	.....	3,460	.....	3,460	.....	.....
34	NON LETHALS	.....	2,158	.....	2,158	.....	.....
35	AMMO MODERNIZATION	.....	5,644	.....	5,644	.....	.....
36	ITEMS LESS THAN $5 MILLION	.....	4,495	.....	4,495	.....	.....
	TOTAL, PROC AMMO, MC	.....	593,140	.....	595,140	.....	+2,000
	TOTAL, PROCUREMENT OF AMMO, NAVY & MARINE CORPS	.....	1,122,712	.....	1,101,745	.....	−20,967

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget request
1	GENERAL PURPOSE BOMBS	168,437	146,437	−22,000
	Funding ahead of need for PIP			−22,000
10	MK 258 MOD 1	967		−967
	Development delay for RAMICS			−967
28	GRENADES, ALL TYPES	39,038	41,038	+2,000
	Grenades, All Types			+2,000

SHIPBUILDING AND CONVERSION, NAVY

Appropriations, 2008	$13,597,960,000
Budget estimate, 2009	12,732,918,000
Committee recommendation	13,745,018,000

The Committee recommends an appropriation of $13,745,018,000. This is $1,012,100,000 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:

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	SHIPBUILDING & CONVERSION, NAVY						
	OTHER WARSHIPS						
1	CARRIER REPLACEMENT PROGRAM	.....	$2,712,251	.....	$2,712,251	.....	.....
2	CARRIER REPLACEMENT PROGRAM (AP–CY)	.....	1,214,188	.....	1,214,188	.....	.....
3	VIRGINIA CLASS SUBMARINE	1	2,107,040	1	2,107,040	.....	.....
4	VIRGINIA CLASS SUBMARINE (AP–CY)	.....	1,316,548	.....	1,395,548	.....	+$79,000
5	CVN REFUELING OVERHAUL	1	606,561	1	606,561	.....	.....
6	CVN REFUELING OVERHAULS (AP–CY)	.....	21,389	.....	21,389	.....	.....
8	SSBN ERO	1	221,823	1	221,823	.....	.....
9	SSBN ERO (AP–CY)	.....	39,363	.....	39,363	.....	.....
10	DDG 1000	1	2,502,803	1	2,508,803	.....	+6,000
11	DDG 1000 (AP–CY)	.....	50,980	.....	50,980	.....	.....
12	DDG–51 (AP–CY)	.....	.....	.....	397,000	.....	+397,000
13	LITTORAL COMBAT SHIP	2	920,000	2	1,090,000	.....	+170,000
	TOTAL, OTHER WARSHIPS	.....	11,712,946	.....	12,364,946	.....	+652,000
	AMPHIBIOUS SHIPS						
14	LPD–17	.....	103,216	.....	.....	.....	−103,216
15	LPD–17(AP–CY)	.....	.....	.....	273,216	.....	+273,216
16	LHA REPLACEMENT	.....	.....	.....	178,300	.....	+178,300
17	INTRATHEATER CONNECTOR	1	174,782	1	174,782	.....	.....
	TOTAL, AMPHIBIOUS SHIPS	.....	277,998	.....	626,298	.....	+348,300
	AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM COSTS						
20	OUTFITTING	.....	429,587	.....	429,587	.....	.....
21	SERVICE CRAFT	.....	36,317	.....	48,117	.....	+11,800
22	LCAC SLEP	6	110,918	6	110,918	.....	.....
23	COMPLETION OF PY SHIPBUILDING PROGRAMS	.....	165,152	.....	165,152	.....	.....
	TOTAL, AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM	.....	741,974	.....	753,774	.....	+11,800
	TOTAL, SHIPBUILDING & CONVERSION, NAVY	.....	12,732,918	.....	13,745,018	.....	+1,012,100

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[Dollar amounts in thousands]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
4	VIRGINIA CLASS SUBMARINE (AP–CY)	1,316,548	1,395,548	+79,000
	Economic Order Quantity			+79,000
10	DDG 1000	2,502,803	2,508,803	+6,000
	AGS Pallets			+6,000
12	DDG–51 (AP)		397,000	+397,000
13	LITTORAL COMBAT SHIP	920,000	1,090,000	+170,000
	Cost Growth			+170,000
14	LPD–17	103,216		−103,216
	Program closeout			−103,216
15	LPD–17 (AP–CY)		273,216	+273,216
16	LHA REPLACEMENT (AP–CY)		178,300	+178,300
	Transfer from NDSF			+348,300
	Authorization reduction			−170,000
21	SERVICE CRAFT	36,317	48,117	+11,800
	Large Harbor Tugs (YT)			+11,800

Shipbuilding.—The Committee continues to support the CNO's goal of a 313 ship Navy as a minimum requirement for the Nation. The Committee, however, remains concerned with the Navy's ability to deliver on the current shipbuilding program of record. As has been stated in past committee reports, the Navy's track record for building ships on time and on budget has not been good. While the Committee remains hopeful that the acquisition changes made by the current Navy leadership is movement in the right direction, the Committee still has not seen the desired results in cost, schedule and performance that was hoped for in executing the current program of record.

The Committee believes that the next administration needs to make the acquisition of naval vessels a priority and seriously reevaluate the current administration's shipbuilding acquisition policies. Downward budget pressure and industrial base concerns will continue to be major challenges facing the next administration in the shipbuilding account.

In anticipation of the new administration, the Committee has made recommendations to preserve as many programmatic options in the Shipbuilding and Conversion, Navy Account as possible. Specifically, the Committee has added funding to the shipbuilding budget request for the following programs:

—Virginia Class Submarine [AP], $79,000,000;
—DDG–51 [AP], $397,000,000;
—Littoral Combat Ship, $170,000,000;
—LPD–26 [AP], $273,216,000.

Littoral Combat Ship [LCS].—The President's fiscal year 2009 budget request included $920,000,000 for the construction of two Littoral Combat Ships.

While the Committee has been disappointed with performance of the LCS program, the Committee strongly supports the development of a surface combatant vessel that can be acquired in affordable volume production. The LCS program, currently planned as a

55 ship class, could be an integral component of the Navy's future shipbuilding plan.

The Committee understands that additional cost growth and schedule delays are occurring in the LCS program. Despite these continuing issues the Committee believes that the procurement of two additional LCS seaframes in fiscal year 2009 is important to preserve the current industrial base until the next administration can evaluate the LCS program and make a recommendation to the Congress on the program's future. The Committee continues to support a robust fleet evaluation of the two LCS designs and a competitive sail off.

In order to provide sufficient funding to procure two LCS seaframes in fiscal year 2009, the Committee recommends a rescission of $337,000,000 in fiscal year 2008 LCS funding and recommends $1,090,000,000 for two LCS seaframes in fiscal year 2009. This is an increase of $170,000,000 over the budget request.

Surface Combatants.—The Committee has recently been informed by the Chief of Naval Operations that the Navy intends to terminate the DDG–1000 program after the fist two ships and restart production of the DDG–51 class destroyer program. The fiscal year 2009 budget request includes $2,502,803,000 for the procurement of the third DDG–1000 and $50,980,000 in advance procurement for the fourth DDG–1000. The budget request contains no funding to restart the DDG–51 production line.

The Committee believes that a decision of this magnitude should not be made without a comprehensive review and evaluation by the next administration and the Congress. Therefore, the Committee recommends full funding for the DDG–1000 program. The Committee also believes that it is prudent to preserve the option for the next administration to restart the DDG–51 program. In order to preserve this option, the Committee has included $397,000,000 in advance procurement funding for one DDG–51 class destroyer.

OTHER PROCUREMENT, NAVY

Appropriations, 2008	$5,317,570,000
Budget estimate, 2009	5,482,856,000
Committee recommendation	5,360,961,000

The Committee recommends an appropriation of $5,360,961,000. This is $121,895,000 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:

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	OTHER PROCUREMENT, NAVY						
	SHIPS SUPPORT EQUIPMENT						
	SHIP PROPULSION EQUIPMENT						
1	LM–2500 GAS TURBINE		$7,973		$7,973		
2	ALLISON 501K GAS TURBINE		9,405		9,405		
3	OTHER PROPULSION EQUIPMENT		38,800		38,800		
	NAVIGATION EQUIPMENT						
4	OTHER NAVIGATION EQUIPMENT		47,549		45,549		−$2,000
	PERISCOPES						
6	SUB PERISCOPES & IMAGING EQUIP		69,078		69,078		
	OTHER SHIPBOARD EQUIPMENT						
7	DDG MOD		165,496		165,496		
8	FIREFIGHTING EQUIPMENT		8,293		8,293		
9	COMMAND AND CONTROL SWITCHBOARD		6,345		6,345		
10	POLLUTION CONTROL EQUIPMENT		27,923		27,923		
11	SUBMARINE SUPPORT EQUIPMENT		22,686		22,686		
12	VIRGINIA CLASS SUPPORT EQUIPMENT		199,904		183,204		−16,700
13	SUBMARINE BATTERIES		41,132		41,132		
14	STRATEGIC PLATFORM SUPPORT EQUIP		9,953		9,953		
15	DSSP EQUIPMENT		5,733		5,733		
16	CG-MODERNIZATION		232,370		232,370		
17	LCAC		174		174		
18	MINESWEEPING EQUIPMENT		11,991		11,991		
19	ITEMS LESS THAN $5 MILLION		136,156		137,956		+1,800
20	CHEMICAL WARFARE DETECTORS		6,598		6,598		
21	SUBMARINE LIFE SUPPORT SYSTEM		15,212		15,212		
	REACTOR PLANT EQUIPMENT						
23	REACTOR COMPONENTS		236,693		236,693		
	OCEAN ENGINEERING						
24	DIVING AND SALVAGE EQUIPMENT		6,549		6,549		

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	SMALL BOATS						
25	STANDARD BOATS	.....	17,839	.....	26,839	.....	+9,000
	TRAINING EQUIPMENT						
26	OTHER SHIPS TRAINING EQUIPMENT	.....	5,689	.....	5,689	.....	.....
	PRODUCTION FACILITIES EQUIPMENT						
27	OPERATING FORCES IPE	.....	51,631	.....	55,631	.....	+4,000
	OTHER SHIP SUPPORT						
28	NUCLEAR ALTERATIONS	.....	70,694	.....	70,694	.....	.....
29	LCS MODULES	.....	131,241	.....	15,410	.....	−115,831
30	LSD MIDLIFE	.....	90,675	.....	96,675	.....	+6,000
29	TOTAL, SHIPS SUPPORT EQUIPMENT	.....	1,673,782	.....	1,560,051	.....	−113,731
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	SHIP RADARS						
32	RADAR SUPPORT	2	10,503	2	10,503	.....	.....
	SHIP SONARS						
33	SPQ–9B RADAR	.....	9,281	.....	9,281	.....	.....
34	AN/SQQ–89 SURF ASW COMBAT SYSTEM	3	117,685	3	104,785	.....	−12,900
35	SSN ACOUSTICS	.....	284,153	.....	279,753	.....	−4,400
36	UNDERSEA WARFARE SUPPORT EQUIPMENT	3	15,578	3	15,578	.....	.....
37	SONAR SWITCHES AND TRANSDUCERS	.....	13,858	.....	13,858	.....	.....
	ASW ELECTRONIC EQUIPMENT						
38	SUBMARINE ACOUSTIC WARFARE SYSTEM	.....	20,857	.....	20,857	.....	.....
39	SSTD	.....	10,058	.....	10,058	.....	.....
40	FIXED SURVEILLANCE SYSTEM	.....	44,997	.....	44,997	.....	.....
41	SURTASS	.....	26,675	.....	26,675	.....	.....
42	TACTICAL SUPPORT CENTER	.....	25,188	.....	25,188	.....	.....
	ELECTRONIC WARFARE EQUIPMENT						
43	AN/SLQ–32	.....	29,280	.....	29,280	.....	.....

	RECONNAISSANCE EQUIPMENT						
45	SHIPBOARD IW EXPLOIT	.....	83,408	.....	83,408	.....	.....
	SUBMARINE SURVEILLANCE EQUIPMENT						
46	SUBMARINE SUPPORT EQUIPMENT PROG	.....	103,597	.....	103,597	.....	.....
	OTHER SHIP ELECTRONIC EQUIPMENT						
48	COOPERATIVE ENGAGEMENT CAPABILITY	.....	34,561	.....	34,561	.....	.....
49	GCCS–M EQUIPMENT	.....	25,923	.....	25,923	.....	.....
50	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS)	.....	31,283	.....	31,283	.....	.....
51	ATDLS	.....	14,206	.....	14,206	.....	.....
52	MINESWEEPING SYSTEM REPLACEMENT	.....	49,024	.....	86,424	.....	+37,400
53	SHALLOW WATER MCM	.....	7,355	.....	7,355	.....	.....
54	NAVSTAR GPS RECEIVERS (SPACE)	.....	10,893	.....	10,893	.....	.....
55	ARMED FORCES RADIO AND TV	.....	4,178	.....	4,178	.....	.....
56	STRATEGIC PLATFORM SUPPORT EQUIP	.....	4,106	.....	4,106	.....	.....
	TRAINING EQUIPMENT						
57	OTHER TRAINING EQUIPMENT	.....	29,791	.....	29,791	.....	.....
	AVIATION ELECTRONIC EQUIPMENT						
58	MATCALS	.....	17,409	.....	17,409	.....	.....
59	SHIPBOARD AIR TRAFFIC CONTROL	.....	7,944	.....	7,944	.....	.....
60	AUTOMATIC CARRIER LANDING SYSTEM	.....	18,787	.....	18,787	.....	.....
61	NATIONAL AIR SPACE SYSTEM	.....	29,066	.....	29,066	.....	.....
62	AIR STATION SUPPORT EQUIPMENT	.....	8,238	.....	8,238	.....	.....
63	MICROWAVE LANDING SYSTEM	.....	10,799	.....	10,799	.....	.....
65	ID SYSTEMS	.....	34,560	.....	34,560	.....	.....
66	TAC A/C MISSION PLANNING SYS(TAMPS)	.....	9,512	.....	9,512	.....	.....
	OTHER SHORE ELECTRONIC EQUIPMENT						
67	DEPLOYABLE JOINT COMMAND AND CONT	.....	9,031	.....	9,031	.....	.....
68	TADIX–B	.....	5,309	.....	5,309	.....	.....
69	GCCS–M EQUIPMENT TACTICAL/MOBILE	.....	6,209	.....	6,209	.....	.....
70	COMMON IMAGERY GROUND SURFACE SYSTEMS	.....	67,133	.....	38,333	.....	−28,800
71	RADIAC	.....	9,840	.....	9,840	.....	.....
72	GPETE	.....	5,521	.....	5,521	.....	.....
73	INTEG COMBAT SYSTEM TEST FACILITY	.....	4,558	.....	4,558	.....	.....
74	EMI CONTROL INSTRUMENTATION	.....	8,384	.....	8,384	.....	.....
75	ITEMS LESS THAN $5 MILLION	.....	48,930	.....	43,430	.....	−5,500
	SHIPBOARD COMMUNICATIONS						
76	SHIPBOARD TACTICAL COMMUNICATIONS	.....	9	.....	9	.....	.....

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
77	PORTABLE RADIOS	.....	14,352	.....	14,352	.....	.....
78	SHIP COMMUNICATIONS AUTOMATION	.....	333,335	.....	327,335	.....	−6,000
79	COMMUNICATIONS ITEMS UNDER $5M	.....	35,647	.....	35,647	.....	.....
	SUBMARINE COMMUNICATIONS						
80	SUBMARINE BROADCAST SUPPORT	.....	3,139	.....	3,139	.....	.....
81	SUBMARINE COMMUNICATION EQUIPMENT	.....	76,761	.....	79,761	.....	+3,000
	SATELLITE COMMUNICATIONS						
82	SATELLITE COMMUNICATIONS SYSTEMS	.....	122,003	.....	118,603	.....	−3,400
	SHORE COMMUNICATIONS						
83	JCS COMMUNICATIONS EQUIPMENT	.....	2,376	.....	2,376	.....	.....
84	ELECTRICAL POWER SYSTEMS	.....	1,293	.....	1,293	.....	.....
85	NAVAL SHORE COMMUNICATIONS	.....	8,563	.....	8,563	.....	.....
	CRYPTOGRAPHIC EQUIPMENT						
86	INFO SYSTEMS SECURITY PROGRAM (ISSP)	.....	101,153	.....	101,153	.....	.....
	CRYPTOLOGIC EQUIPMENT						
87	CRYPTOLOGIC COMMUNICATIONS EQUIP	.....	16,716	.....	16,716	.....	.....
	OTHER ELECTRONIC SUPPORT						
88	COAST GUARD EQUIPMENT	.....	16,846	.....	16,846	.....	.....
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT	.....	2,039,861	.....	2,019,261	.....	−20,600
	AVIATION SUPPORT EQUIPMENT						
	SONOBUOYS						
90	SONOBUOYS—ALL TYPES	.....	112,603	.....	112,603	.....	.....
	AIRCRAFT SUPPORT EQUIPMENT						
91	WEAPONS RANGE SUPPORT EQUIPMENT	.....	64,396	.....	74,396	.....	+10,000
92	EXPEDITIONARY AIRFIELDS	.....	8,308	.....	8,308	.....	.....
93	AIRCRAFT REARMING EQUIPMENT	.....	12,761	.....	12,761	.....	.....
94	AIRCRAFT LAUNCH & RECOVERY EQUIPMENT	.....	46,362	.....	46,362	.....	.....
95	METEOROLOGICAL EQUIPMENT	.....	24,742	.....	24,742	.....	.....
96	OTHER PHOTOGRAPHIC EQUIPMENT	.....	1,603	.....	1,603	.....	.....

97	AVIATION LIFE SUPPORT	.....	17,673	.....	22,173	.....	+4,500
98	AIRBORNE MINE COUNTERMEASURES	.....	39,363	.....	44,999	.....	+5,636
99	LAMPS MK III SHIPBOARD EQUIPMENT	.....	35,117	.....	35,117	.....	.....
100	OTHER AVIATION SUPPORT EQUIPMENT	.....	13,335	.....	13,335	.....	.....
	TOTAL, AVIATION SUPPORT EQUIPMENT	.....	376,263	.....	396,399	.....	+20,136
	ORDNANCE SUPPORT EQUIPMENT						
	SHIP GUN SYSTEM EQUIPMENT						
101	NAVAL FIRES CONTROL SYSTEM	.....	1,695	.....	1,695	.....	.....
102	GUN FIRE CONTROL EQUIPMENT	.....	8,244	.....	8,244	.....	.....
	SHIP MISSILE SYSTEMS EQUIPMENT						
104	NATO SEASPARROW	.....	12,270	.....	12,270	.....	.....
105	RAM GMLS	.....	23,492	.....	16,292	.....	−7,200
106	SHIP SELF DEFENSE SYSTEM	.....	46,687	.....	46,687	.....	.....
107	AEGIS SUPPORT EQUIPMENT	.....	85,424	.....	85,424	.....	.....
108	TOMAHAWK SUPPORT EQUIPMENT	.....	61,976	.....	61,976	.....	.....
109	VERTICAL LAUNCH SYSTEMS	.....	5,644	.....	5,644	.....	.....
	FBM SUPPORT EQUIPMENT						
110	STRATEGIC MISSILE SYSTEMS EQUIP	.....	118,814	.....	118,814	.....	.....
	ASW SUPPORT EQUIPMENT						
111	SSN COMBAT CONTROL SYSTEMS	.....	98,010	.....	98,010	.....	.....
112	SUBMARINE ASW SUPPORT EQUIPMENT	.....	5,374	.....	5,374	.....	.....
113	SURFACE ASW SUPPORT EQUIPMENT	.....	4,622	.....	4,622	.....	.....
114	ASW RANGE SUPPORT EQUIPMENT	.....	9,199	.....	19,199	.....	+10,000
	OTHER ORDNANCE SUPPORT EQUIPMENT						
115	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	.....	46,546	.....	46,546	.....	.....
116	ITEMS LESS THAN $5 MILLION	.....	3,535	.....	3,535	.....	.....
	OTHER EXPENDABLE ORDNANCE						
117	ANTI-SHIP MISSILE DECOY SYSTEM	.....	38,077	.....	38,077	.....	.....
118	SURFACE TRAINING DEVICE MODS	.....	9,822	.....	9,822	.....	.....
119	SUBMARINE TRAINING DEVICE MODS	.....	33,583	.....	37,083	.....	+3,500
	TOTAL, ORDNANCE SUPPORT EQUIPMENT	.....	613,014	.....	619,314	.....	+6,300
	CIVIL ENGINEERING SUPPORT EQUIPMENT						
120	PASSENGER CARRYING VEHICLES	.....	1,966	.....	1,966	.....	.....
121	GENERAL PURPOSE TRUCKS	.....	829	.....	829	.....	.....

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
122	CONSTRUCTION & MAINTENANCE EQUIP		12,167		12,167		
123	FIRE FIGHTING EQUIPMENT		16,289		16,289		
124	TACTICAL VEHICLES		29,686		29,686		
125	AMPHIBIOUS EQUIPMENT		14,041		14,041		
126	POLLUTION CONTROL EQUIPMENT		5,418		5,418		
127	ITEMS UNDER $5 MILLION		22,379		22,379		
128	PHYSICAL SECURITY VEHICLES		1,116		1,116		
	TOTAL, CIVIL ENGINEERING SUPPORT EQUIPMENT		103,891		103,891		
	SUPPLY SUPPORT EQUIPMENT						
	SUPPLY SUPPORT EQUIPMENT						
129	MATERIALS HANDLING EQUIPMENT		14,971		14,971		
130	OTHER SUPPLY SUPPORT EQUIPMENT		9,247		9,247		
131	FIRST DESTINATION TRANSPORTATION		6,216		6,216		
132	SPECIAL PURPOSE SUPPLY SYSTEMS		74,103		74,103		
	TOTAL, SUPPLY SUPPORT EQUIPMENT		104,537		104,537		
	PERSONNEL AND COMMAND SUPPORT EQUIPMENT						
	TRAINING DEVICES						
133	TRAINING SUPPORT EQUIPMENT		16,764		16,764		
	COMMAND SUPPORT EQUIPMENT						
134	COMMAND SUPPORT EQUIPMENT		43,175		43,175		
135	EDUCATION SUPPORT EQUIPMENT		2,018		2,018		
136	MEDICAL SUPPORT EQUIPMENT		6,493		6,493		
137	NAVAL MIP SUPPORT EQUIPMENT		1,646		1,646		
139	OPERATING FORCES SUPPORT EQUIPMENT		13,116		13,116		
140	C4ISR EQUIPMENT		13,510		13,510		
141	ENVIRONMENTAL SUPPORT EQUIPMENT		24,244		24,244		
142	PHYSICAL SECURITY EQUIPMENT		144,863		140,863		−4,000
143	ENTERPRISE INFORMATION TECHNOLOGY		35,600		35,600		
	TOTAL, PERSONNEL AND COMMAND SUPPORT EQUIPMENT		301,429		297,429		−4,000

148	SPARES AND REPAIR PARTS	.....	251,765	.....	241,765	.....	−10,000
	CLASSIFIED PROGRAMS	.....	18,314	.....	18,314	.....	.....
	TOTAL, OTHER PROCUREMENT, NAVY	.....	5,482,856	.....	5,360,961	.....	−121,895

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
4	OTHER NAVIGATION EQUIPMENT	47,549	45,549	−2,000
	AN/WSN–7 Fiber Optic Gyro System Upgrade			+3,000
	Reduction to Growth			−5,000
12	VIRGINIA CLASS SUPPORT EQUIPMENT	199,904	183,204	−16,700
	SCN Buyback			−16,700
19	ITEMS LESS THAN $5 MILLION	136,156	137,956	+1,800
	CVN Propeller Replacement Program			+5,000
	Remote Monitoring and Troubleshooting Project			+2,500
	LCS Spares—Excess to Need			−5,700
25	STANDARD BOATS	17,839	26,839	+9,000
	High Speed Aluminum Towable Boat Lifts			+4,000
	66 Foot Coastal Command Boat			+5,000
27	OPERATING FORCES IPE	51,631	55,631	+4,000
	PHNSY Upgrades			+4,000
29	LCS MODULES	131,241	15,410	−115,831
	RMMV and AQS–20, Transfer to Line 52			−37,400
	ALMDS, Transfer to Line 98			−5,636
	LCS Program Delays			−72,795
30	LSD MIDLIFE	90,675	96,675	+6,000
	LSD Main Propulsion Diesel Engine Upgrade			+6,000
34	AN/SQQ–89 SURF ASW COMBAT SYSTEM	117,685	104,785	−12,900
	Installation Funding Ahead of Need			−12,900
35	SSN ACOUSTICS	284,153	279,753	−4,400
	TB–33—Continue LRIP			−4,400
52	MINESWEEPING SYSTEM REPLACEMENT	49,024	86,424	+37,400
	RMMV and AQS–20, Transfer from Line 29			+37,400
70	COMMON IMAGERY GROUND SURFACE SYSTEMS	67,133	38,333	−28,800
	Tier 1 Cancellation			−18,800
	Defer Product Improvements Due to Restructure			−10,000
75	ITEMS LESS THAN $5 MILLION	48,930	43,430	−5,500
	Excessive Installation Costs			−5,500
78	SHIP COMMUNICATIONS AUTOMATION	333,335	327,335	−6,000
	ADNS—Stabilize Growth			−6,000
81	SUBMARINE COMMUNICATION EQUIPMENT	76,761	79,761	+3,000
	Integrated Voice Communications System for the SSN–688I			+3,000
82	SATELLITE COMMUNICATIONS SYSTEMS	122,003	118,603	−3,400
	WSC–6 Cost Growth			−2,000
	CBSP Phasing			−1,400
91	WEAPONS RANGE SUPPORT EQUIPMENT	64,396	74,396	+10,000
	Training Range Enhancements			+10,000
97	AVIATION LIFE SUPPORT	17,673	22,173	+4,500
	Advanced Mission Extender Device Kits			+2,500
	Multi Climate Protection System			+2,000
98	AIRBORNE MINE COUNTERMEASURES	39,363	44,999	+5,636
	ALMDS, Transfer from Line 29			+5,636
105	RAM GMLS	23,492	16,292	−7,200
	Ahead of Need			−7,200
114	ASW RANGE SUPPORT EQUIPMENT	9,199	19,199	+10,000
	Training Range Enhancements			+10,000
119	SUBMARINE TRAINING DEVICE MODS	33,583	37,083	+3,500
	Standardized Metrics Assessment of Readiness Training			+3,500
142	PHYSICAL SECURITY EQUIPMENT	144,863	140,863	−4,000
	Virtual Perimeter Monitoring System			+3,000
	SPS—Smooth Production Profile			−7,000
148	SPARES AND REPAIR PARTS	251,765	241,765	−10,000
	Reduction to Growth			−10,000

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	PROCUREMENT, MARINE CORPS						
	WEAPONS AND COMBAT VEHICLES						
	TRACKED COMBAT VEHICLES						
1	AAV7A1 PIP	.....	$5,441	.....	$5,441	.....	.....
3	LAV PIP	.....	64,526	.....	43,526	.....	−$21,000
4	M1A1 FIREPOWER ENHANCEMENTS	.....	14,706	.....	14,706	.....	.....
	ARTILLERY AND OTHER WEAPONS						
5	EXPEDITIONARY FIRE SUPPORT SYSTEM	.....	22,102	.....	22,102	.....	.....
6	155MM LIGHTWEIGHT TOWED HOWITZER	.....	2,500	.....	2,500	.....	.....
7	HIGH MOBILITY ARTILLERY ROCKET SYSTEM	.....	109,460	.....	89,460	.....	−20,000
8	WEAPONS AND COMBAT VEHICLES UNDER $5 MILLION	.....	24,220	.....	12,987	.....	−11,233
	WEAPONS						
	OTHER SUPPORT						
10	MODIFICATION KITS	.....	11,165	.....	11,165	.....	.....
11	WEAPONS ENHANCEMENT PROGRAM	.....	24,223	.....	24,223	.....	.....
	TOTAL, WEAPONS AND COMBAT VEHICLES	.....	278,343	.....	226,110	.....	−52,233
	GUIDED MISSILES AND EQUIPMENT						
	GUIDED MISSILES						
12	GROUND BASED AIR DEFENSE	.....	12,569	.....	2,569	.....	−10,000
	OTHER SUPPORT						
14	MODIFICATION KITS	.....	4,925	.....	4,925	.....	.....
	TOTAL, GUIDED MISSILES AND EQUIPMENT	.....	17,494	.....	7,494	.....	−10,000
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	COMMAND AND CONTROL SYSTEMS						
15	COMBAT OPERATIONS CENTER	.....	14,883	.....	14,883	.....	.....
	REPAIR AND TEST EQUIPMENT						
16	REPAIR AND TEST EQUIPMENT	.....	35,188	.....	35,188	.....	.....

PROCUREMENT, MARINE CORPS

Appropriations, 2008	$2,326,619,000
Budget estimate, 2009	1,512,765,000
Committee recommendation	1,398,432,000

The Committee recommends an appropriation of $1,398,432,000. This is $114,333,000 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:

	OTHER SUPPORT (TEL)						
17	COMBAT SUPPORT SYSTEM	.....	34,665	.....	34,665	.....	.....
19	ITEMS UNDER $5 MILLION (COMM & ELEC)	.....	9,661	.....	9,661	.....	.....
20	AIR OPERATIONS C2 SYSTEMS	.....	77,978	.....	52,978	.....	−25,000
	RADAR + EQUIPMENT (NON-TEL)						
21	RADAR SYSTEMS	.....	32,516	.....	32,516	.....	.....
	INTELL/COMM EQUIPMENT (NON-TEL)						
22	FIRE SUPPORT SYSTEM	.....	2,654	.....	2,654	.....	.....
23	INTELLIGENCE SUPPORT EQUIPMENT	.....	49,838	.....	49,838	.....	.....
	OTHER COMM/ELEC EQUIPMENT (NON-TEL)						
24	NIGHT VISION EQUIPMENT	.....	24,868	.....	24,868	.....	.....
	OTHER SUPPORT (NON-TEL)						
25	COMMON COMPUTER RESOURCES	.....	106,499	.....	106,499	.....	.....
26	COMMAND POST SYSTEMS	.....	15,816	.....	15,816	.....	.....
27	RADIO SYSTEMS	.....	95,845	.....	95,845	.....	.....
28	COMM SWITCHING & CONTROL SYSTEMS	.....	40,639	.....	49,539	.....	+8,900
29	COMM & ELEC INFRASTRUCTURE SUPPORT	.....	15,527	.....	15,527	.....	.....
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT	.....	556,577	.....	540,477	.....	−16,100
	SUPPORT VEHICLES						
	ADMINISTRATIVE VEHICLES						
30	COMMERCIAL PASSENGER VEHICLES	.....	1,201	.....	1,201	.....	.....
31	COMMERCIAL CARGO VEHICLES	.....	13,691	.....	13,691	.....	.....
	TACTICAL VEHICLES						
32	5/4T TRUCK HMMWV (MYP)	7	2,666	7	2,666	.....	.....
34	MEDIUM TACTICAL VEHICLE REPLACEMENT	.....	944	.....	944	.....	.....
36	LOGISTICS VEHICLE SYSTEM REP	.....	324,578	.....	274,578	.....	−50,000
37	FAMILY OF TACTICAL TRAILERS	.....	27,619	.....	27,619	.....	.....
38	TRAILERS	.....	8,424	.....	8,424	.....	.....
	OTHER SUPPORT						
39	ITEMS LESS THAN $5 MILLION	.....	4,046	.....	4,046	.....	.....
	TOTAL, SUPPORT VEHICLES	.....	383,169	.....	333,169	.....	−50,000

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	ENGINEER AND OTHER EQUIPMENT						
	ENGINEER AND OTHER EQUIPMENT						
40	ENVIRONMENTAL CONTROL EQUIP ASSORT	.....	5,131	.....	5,131	.....	.....
41	BULK LIQUID EQUIPMENT	.....	9,571	.....	9,571	.....	.....
42	TACTICAL FUEL SYSTEMS	.....	19,067	.....	20,567	.....	+1,500
43	POWER EQUIPMENT ASSORTED	.....	16,501	.....	16,501	.....	.....
44	AMPHIBIOUS SUPPORT EQUIPMENT	.....	13,239	.....	13,239	.....	.....
45	EOD SYSTEMS	.....	28,568	.....	28,568	.....	.....
	MATERIALS HANDLING EQUIPMENT						
46	PHYSICAL SECURITY EQUIPMENT	.....	12,589	.....	12,589	.....	.....
47	GARRISON MOBILE ENGR EQUIP	.....	11,813	.....	11,813	.....	.....
48	MATERIAL HANDLING EQUIP	.....	30,758	.....	40,758	.....	+10,000
49	FIRST DESTINATION TRANSPORTATION	.....	5,867	.....	5,867	.....	.....
	GENERAL PROPERTY						
50	FIELD MEDICAL EQUIPMENT	.....	6,623	.....	9,123	.....	+2,500
51	TRAINING DEVICES	.....	57,476	.....	57,476	.....	.....
52	CONTAINER FAMILY	.....	4,050	.....	4,050	.....	.....
53	FAMILY OF CONSTRUCTION EQUIPMENT	.....	22,461	.....	22,461	.....	.....
54	FAMILY OF INTERNALLY TRANSPORTABLE VEH (ITV)	.....	7,987	.....	7,987	.....	.....
56	RAPID DEPLOYABLE KITCHEN	.....	2,907	.....	2,907	.....	.....
	OTHER SUPPORT						
58	ITEMS LESS THAN $5 MILLION	.....	8,114	.....	8,114	.....	.....
	TOTAL, ENGINEER AND OTHER EQUIPMENT	.....	262,722	.....	276,722	.....	+14,000
59	SPARES AND REPAIR PARTS	.....	14,460	.....	14,460	.....	.....
	TOTAL, PROCUREMENT, MARINE CORPS	.....	1,512,765	.....	1,398,432	.....	−114,333

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
3	LAV PIP	64,526	43,526	−21,000
	C2 upgrade program delay			−21,000
7	HIGH MOBILITY ARTILLERY ROCKET SYSTEM	109,460	89,460	−20,000
	Program adjustment			−20,000
8	WEAPONS AND COMBAT VEHICLES UNDER $5 MILLION	24,220	12,987	−11,233
	Infantry Assault Rifle program delays			−11,233
12	GROUND BASED AIR DEFENSE	12,569	2,569	−10,000
	Program delays			−10,000
20	AIR OPERATIONS C2 SYSTEMS	77,978	52,978	−25,000
	CAC2S program adjustment			−25,000
28	COMM SWITCHING & CONTROL SYSTEMS	40,639	49,539	+8,900
	IP Distribution Boxes and Category 5E Cables			+2,500
	Performance Enhancements for Information Assurance and Information Systems			+6,400
36	LOGISTICS VEHICLE SYSTEM REP	324,578	274,578	−50,000
	Excessive growth			−50,000
42	TACTICAL FUEL SYSTEMS	19,067	20,567	+1,500
	Nitrile Rubber Collapsible Storage Units			+1,500
48	MATERIAL HANDLING EQUIPMENT	30,758	40,758	+10,000
	On Board Vehicle Power Kits for MTVR			+10,000
50	FIELD MEDICAL EQUIPMENT	6,623	9,123	+2,500
	Combat Casualty Care Equipment Upgrade Program			+2,500

Common Aviation Command and Control System [CAC2S].—CAC2S is intended to be a modernized, single command and control system that will replace legacy aviation command and air control systems. Since entering System Design and Demonstration [SDD] in 2002, the program has faced repeated technical hurdles and schedule delays. As a result, the Marine Corps recently altered its acquisition strategy, but has yet to provide detailed schedules and cost estimates in support of the new acquisition strategy to the Committee. Understanding that the requirement for a CAC2S capability remains valid, the Committee provides $24,339,000 for CAC2S in fiscal year 2009, a reduction of $25,000,000, and directs that none of those funds may be obligated until 10 days after the Marine Corps provides updated program details to the Committee, to include cost estimates and program schedules. The Committee notes that in the interim, significant amounts of prior year funding remain available to continue the upgrade of legacy systems.

AIRCRAFT PROCUREMENT, AIR FORCE

Appropriations, 2008	$12,021,900,000
Budget estimate, 2009	12,676,496,000
Committee recommendation	12,850,172,000

The Committee recommends an appropriation of $12,850,172,000. This is $173,676,000 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:

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	AIRCRAFT PROCUREMENT, AIR FORCE						
	COMBAT AIRCRAFT						
	TACTICAL FORCES						
1	F–35	8	$1,673,787	7	$1,504,298	−1	−$169,489
2	F–35 (AP–CY)	.....	136,904	.....	171,904	.....	+35,000
3	F–22A	20	3,054,197	20	2,907,197	.....	−147,000
4	F–22A (AP–CY)	.....	.....	.....	535,000	.....	+535,000
	TOTAL, COMBAT AIRCRAFT	.....	4,864,888	.....	5,118,399	.....	+253,511
	AIRLIFT AIRCRAFT						
	TACTICAL AIRLIFT						
5	C–17A (MYP)	.....	367,554	.....	318,788	.....	−48,766
	OTHER AIRLIFT						
6	C–130J	.....	.....	.....	25,000	.....	+25,000
7	C–130J ADVANCE PROCUREMENT (CY)	.....	96,000	.....	96,000	.....	.....
8	HC/MC–130 RECAP	6	507,677	2	200,477	−4	−307,200
9	HC/MC–130 RECAP (AP–CY)	.....	80,000	.....	80,000	.....	.....
10	HC/MC–130 RECAP	.....	61,660	.....	.....	.....	−61,660
11	JOINT CARGO AIRCRAFT	.....	5,439	.....	.....	.....	−5,439
11A	ISR AIRCRAFT	.....	.....	.....	450,000	.....	+450,000
	TOTAL, AIRLIFT AIRCRAFT	.....	1,118,330	.....	1,170,265	.....	+51,935
	TRAINER AIRCRAFT						
	OPERATIONAL TRAINERS						
12	JPATS	.....	33,196	.....	27,654	.....	−5,542
	OTHER AIRCRAFT						
	HELICOPTERS						
13	CSAR–X (AP–CY)	.....	15,000	.....	.....	.....	−15,000
14	V–22 OSPREY	6	409,027	6	409,027	.....	.....
15	V–22 OSPREY (AP–CY)	.....	14,266	.....	14,266	.....	.....

	MISSION SUPPORT AIRCRAFT						
16	C-29A FLIGHT INSPECTION ACFT	1	31,877	1	31,877		
18	CIVIL AIR PATROL A/C		2,435		2,435		
	OTHER AIRCRAFT						
19	TARGET DRONES		70,576		70,576		
20	GLOBAL HAWK	5	658,319	5	658,319		
21	GLOBAL HAWK (AP-CY)		53,832		53,832		
22	MQ-1	38	378,703	38	378,703		
23	MQ-9	9	161,439	9	161,439		
23	TOTAL, OTHER AIRCRAFT		1,795,474		1,780,474		-15,000
	MODIFICATION OF INSERVICE AIRCRAFT						
	STRATEGIC AIRCRAFT						
24	B-2A		330,392		299,092		-31,300
24A	B-2A (AP-CY)				49,800		+49,800
25	B-1B		71,774		41,874		-29,900
26	B-52		41,699		41,699		
	TACTICAL AIRCRAFT						
28	A-10		144,077		144,077		
29	F-15		12,326		20,326		+8,000
30	F-16		273,694		275,494		+1,800
31	F-22A		327,046		327,046		
	AIRLIFT AIRCRAFT						
32	C-5		485,484		429,084		-56,400
33	C-5 (AP-CY)		97,600		97,600		
34	C-17A		331,535		323,602		-7,933
35	C-21		11,001		752		-10,249
36	C-32A		11,373		1,675		-9,698
37	C-37A		2,407		428		-1,979
	TRAINER AIRCRAFT						
38	GLIDER MODS		121		121		
39	T6		21,122		20,755		-367
40	T-1		25		10,274		+10,249
41	T-38		59,934		59,934		
42	T-43		2,269		2,269		
	OTHER AIRCRAFT						
43	KC-10A (ATCA)		1,899		1,899		

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
44	C–12		468		468		
45	C–20 MODS		1,535		1,535		
46	VC–25A MOD		60,875		60,875		
47	C–40		9,911		213		−9,698
48	C–130		422,814		434,314		+11,500
49	C–130J MODS		59,350		34,350		−25,000
50	C–135		134,188		134,188		
51	COMPASS CALL MODS		24,605		24,605		
52	DARP		106,989		106,989		
53	E–3		86,468		86,468		
54	E–4		28,098		28,098		
55	E–8		30,657		30,657		
56	H–1		13,200		13,200		
57	H–60		17,250		17,250		
58	GLOBAL HAWK MODS		103,939		103,939		
59	OTHER AIRCRAFT		151,932		139,320		−12,612
60	MQ–1 MODS		148,532		148,532		
61	MQ–9 MODS		24,590		24,590		
62	CV–22 MODS		22,621		22,621		
	OTHER MODIFICATIONS						
	TOTAL, MODIFICATION OF INSERVICE AIRCRAFT		3,673,800		3,560,013		−113,787
	AIRCRAFT SPARES AND REPAIR PARTS						
63	INITIAL SPARES/REPAIR PARTS		257,001		248,401		−8,600
	TOTAL, AIRCRAFT SPARES AND REPAIR PARTS		257,001		248,401		−8,600
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES						
	COMMON SUPPORT EQUIPMENT						
64	COMMON SUPPORT EQUIPMENT		104,861		104,861		
	POST PRODUCTION SUPPORT						
67	B–2A		36,783		36,783		
69	C–5		18,210		18,210		

70	C-21	.....	19,025	.....	.....	.....	-19,025
72	EC-130J	.....	5,382	.....	5,382	.....	.....
73	F-15 POST PRODUCTION SUPPORT	.....	20,189	.....	20,189	.....	.....
74	F-16 POST PRODUCTION SUPPORT	.....	13,623	.....	13,623	.....	.....
75	T-6	.....	8,841	.....	.....	.....	-8,841
76	OTHER AIRCRAFT	.....	48,593	.....	48,593	.....	.....
77	T-1 POST PRODUCTION SUPPORT	.....	.....	.....	19,025	.....	+19,025
	INDUSTRIAL PREPAREDNESS						
78	INDUSTRIAL PREPAREDNESS	.....	24,380	.....	24,380	.....	.....
	WAR CONSUMABLES						
79	WAR CONSUMABLES	.....	80,622	.....	80,622	.....	.....
	OTHER PRODUCTION CHARGES						
80	OTHER PRODUCTION CHARGES	.....	521,357	.....	541,357	.....	+20,000
	DARP						
86	DARP	.....	21,028	.....	21,028	.....	.....
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	.....	922,894	.....	934,053	.....	+11,159
	CLASSIFIED PROGRAMS	.....	10,913	.....	10,913	.....	.....
	TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE	.....	12,676,496	.....	12,850,172	.....	+173,676

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
1	F-35	1,673,787	1,504,298	-169,489
	Defer 1 aircraft			-169,489
2	F-35 (AP-CY)	136,904	171,904	+35,000
	Long-lead items for the JSF alternative engine			+35,000
3	F-22A	3,054,197	2,907,197	-147,000
	Shut down funding is early to need			-147,000
4	F-22A (AP-CY)		535,000	+535,000
	Advance procurement for 20 aircraft			+535,000
5	C-17A (MYP)	367,554	318,788	-48,766
	Move funds to line 34 for proper execution			-8,766
	Authorization reduction			-40,000
6	C-130J		25,000	+25,000
	USAF-requested transfer from line 49			+25,000
8	HC-130/MC-130 RECAP	507,677	200,477	-307,200
	Funded in the fiscal year 2008 Supplemental			-307,200
10	KC-X (AP-CY)	61,660		-61,660
	Excess to need			-61,660
11	JOINT CARGO AIRCRAFT	5,439		-5,439
	Early to need			-5,439
11A	ISR AIRCRAFT		450,000	+450,000
	Multi-Intelligence Manned Aircraft and Sensors			+450,000
12	JPATS	33,196	27,654	-5,542
	Authorization reduction			-5,542
13	CSAR-X (AP-CY)	15,000		-15,000
	Program delay			-15,000
24	B-2A	330,392	299,092	-31,300
	Transfer from RDAF, line 61			+18,500
	Transfer to Advance Procurement line			-49,800
24A	B-2A Advance Procurement		49,800	+49,800
	Transfer from B-2A line			+49,800
25	B-1B	71,774	41,874	-29,900
	Early to need			-31,900
	Smart Bomb Rack Unit			+2,000
29	F-15	12,326	20,326	+8,000
	F-15 Improved Radio Communications (ARC 210)			+3,000
	F-15C/D MSOGS Retrofit			+5,000
30	F-16	273,694	275,494	+1,800
	F-16C Fire Control Computers for SD ANG			+1,800
32	C-5	485,484	429,084	-56,400
	Excess to need			-51,000
	Funded in the fiscal year 2008 Supplemental			-5,400
34	C-17A	331,535	323,602	-7,933
	USAF-requested transfer from line 5 for execution			+8,766
	Early to need			-16,699
35	C-21	11,001	752	-10,249
	USAF-requested transfer to line 40			-10,249
36	C-32A	11,373	1,675	-9,698
	Funded in the fiscal year 2008 Supplemental			-9,698
37	C-37A	2,407	428	-1,979
	Funded in the fiscal year 2008 Supplemental			-1,979
39	T-6	21,122	20,755	-367
	Authorization reduction			-367
40	T-1	25	10,274	+10,249
	USAF-requested transfer from line 35			+10,249
47	C-40	9,911	213	-9,698
	Funded in the fiscal year 2008 Supplemental			-9,698
48	C-130	422,814	434,314	+11,500
	Large Aircraft Infrared Countermeasure for MC-130P Aircraft			+4,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Scathe View for NV ANG			+500
	SENIOR SCOUT Beyond Line-of-Sight SATCOM Data Link			+7,000
49	C–130J MODIFICATIONS	59,350	34,350	−25,000
	USAF-requested transfer to line 6			−25,000
59	OTHER AIRCRAFT	151,932	139,320	−12,612
	USAF-requested transfer to RDAF, line 214			−12,612
63	INITIAL SPARES/REPAIR PARTS	257,001	248,401	−8,600
	Reduced aircraft buy			−8,600
70	C–21 POST PRODUCTION SUPPORT	19,025		−19,025
	USAF-requested transfer to line 77			−19,025
75	T–6	8,841		−8,841
	Authorization reduction			−8,841
77	T–1		19,025	+19,025
	USAF-requested transfer from line 70			+19,025
80	OTHER PRODUCTION CHARGES	521,357	541,357	+20,000
	Litening Targeting Pod Upgrades			+20,000

C–5 Reliability Enhancement and Re-Engining Program [RERP].—The Committee supports full funding for the restructured C–5 upgrade program and adjusts the budget to accurately reflect projected costs of the revised program. The Department's budget estimate represents the program of record before the Nunn-McCurdy breach and subsequent restructuring. The Committee supports the new funding requirement of $289,979,000 which is a reduction of $51,000,000 in the program.

MISSILE PROCUREMENT, AIR FORCE

Appropriations, 2008	$4,985,459,000
Budget estimate, 2009	5,536,728,000
Committee recommendation	5,420,528,000

The Committee recommends an appropriation of $5,420,528,000. This is $116,200,000 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:

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	MISSILE PROCUREMENT, AIR FORCE						
	BALLISTIC MISSILES						
	MISSILE REPLACEMENT EQUIPMENT—BALLISTIC						
1	MISSILE REPLACEMENT EQ-BALLISTIC	.....	$26,658	.....	$26,658	.....	.....
	OTHER MISSILES						
	TACTICAL						
2	JASSM	260	240,295	175	200,295	−85	−$40,000
3	SIDEWINDER (AIM–9X)	275	77,223	275	77,223	.....	.....
4	AMRAAM	281	294,746	177	231,546	−104	−63,200
5	PREDATOR HELLFIRE MISSILE	642	63,585	642	63,585	.....	.....
6	SMALL DIAMETER BOMB	2,612	133,209	2,612	133,209	.....	.....
	INDUSTRIAL FACILITIES						
7	INDUSTRIAL PREPAREDNESS/POLLUTION PREVENTION	.....	2,408	.....	2,408	.....	.....
	TOTAL, OTHER MISSILES	.....	811,466	.....	708,266	.....	−103,200
	MODIFICATION OF INSERVICE MISSILES						
	CLASS IV						
8	ADVANCED CRUISE MISSILE	.....	42	.....	42	.....	.....
11	MM III MODIFICATIONS	.....	296,354	.....	296,354	.....	.....
12	AGM–65D MAVERICK	.....	256	.....	256	.....	.....
13	AIR LAUNCH CRUISE MISSILE	.....	10,150	.....	10,150	.....	.....
	TOTAL, MODIFICATION OF INSERVICE MISSILES	.....	306,802	.....	306,802	.....	
	SPARES AND REPAIR PARTS						
14	INITIAL SPARES/REPAIR PARTS	.....	26,923	.....	26,923	.....	.....
	OTHER SUPPORT						
	SPACE PROGRAMS						
15	ADVANCED EHF	.....	16,564	.....	16,564	.....	.....
16	ADVANCED EHF (AP–CY)	.....	.....	.....	75,000	.....	+75,000

17	WIDEBAND GAPFILLER SATELLITES	.....	22,492	.....	22,492	.....	.....
18	WIDEBAND GAPFILLER SATELLITES (AP–CY)	.....	.....	.....	30,000	.....	+30,000
19	SPACEBORNE EQUIP (COMSEC)	.....	17,407	.....	17,407	.....	.....
20	GLOBAL POSITIONING (SPACE)	.....	108,043	.....	108,043	.....	.....
21	GLOBAL POSITIONING (SPACE) (AP–CY)	.....	2,400	.....	2,400	.....	.....
22	NUDET DETECTION SYSTEM	.....	1,250	.....	1,250	.....	.....
23	DEF METEOROLOGICAL SAT PROG (SPACE)	.....	99,788	.....	99,788	.....	.....
26	EVOLVED EXPENDABLE LAUNCH VEH (SPACE)	4	1,205,278	4	1,141,278	.....	−64,000
27	MEDIUM LAUNCH VEHICLE (SPACE)	.....	5,756	.....	5,756	.....	.....
28	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH	2	1,664,043	2	1,664,043	.....	.....
29	SBIR HIGH (SPACE) (AP–CY)	.....	54,000	.....	.....	.....	−54,000
	SPECIAL PROGRAMS						
31	DEFENSE SPACE RECONN PROGRAM	.....	158,966	.....	158,966	.....	.....
33	SPECIAL UPDATE PROGRAMS	.....	212,515	.....	212,515	.....	.....
	TOTAL, OTHER SUPPORT	.....	3,568,502	.....	3,555,502	.....	−13,000
	CLASSIFIED PROGRAMS	.....	796,377	.....	796,377	.....	.....
	TOTAL, MISSILE PROCUREMENT, AIR FORCE	.....	5,536,728	.....	5,420,528	.....	−116,200

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 quantity	2009 budget estimate	Committee recommendation	Change from budget request
2	JASSM	260	240,295	200,295	−40,000
	Transfer to RDTE for JASSM–ER				−20,000
	Maintain Production Ramp	175			−20,000
4	AMRAAM	281	294,746	231,546	−63,200
	Smooth Production Ramp	177			−63,200
16	ADVANCED EHF			75,000	+75,000
	AEHF–4 Advance Procurement				+75,000
18	WIDEBAND GAPFILLER SATELLITES (SPACE)			30,000	+30,000
	WGS–7—Advance Procurement				+30,000
26	EVOLVED EXPENDABLE LAUNCH VEH (SPACE)	4	1,205,278	1,141,278	−64,000
	GPS IIF–7 Launch				−64,000
29	SBIR HIGH (SPACE)		54,000		−54,000
	HEO–4 Advance Procurement—Premature request				−54,000

Space-Based Infrared System [SBIRS] Highly Elliptical Orbit-4 [HEO–4] Advance Procurement.—The Committee strongly supports the Air Force's procurement of the SBIRS HEO payload number four. However, based on the current launch schedule, the request for advance procurement of HEO–4 remains premature. Therefore, the Committee reduces the fiscal year 2009 budget by $54,000,000.

Advanced Medium Range Air-to-Air Missile [AMRAAM].—The fiscal year 2009 budget request includes $294,746,000 in Missile Procurement, Air Force to procure 281 AIM–120D missiles and $146,830,000 in Weapons Procurement, Navy to procure 147 AIM–120D missiles. Included in these amounts is $17,700,000 for Diminished Manufacturing Sources [DMS] for both the Navy and the Air Force. The Committee has been made aware that due to revised assumptions, the Air Force plans to apply $21,640,000 for DMS and the Navy plans to apply $21,500,000 for DMS in fiscal year 2009. The Committee notes that these revised requests for DMS are included in the amounts recommended. The AMRAAM AIM–120D is still in its System Development and Demonstration [SDD] phase and due to testing and production delays, the projected procurement totals remain fluid for fiscal year 2009. The Committee also notes that any further slip in SDD will have serious implications on production capability for fiscal year 2009. Due to these uncertainties, the Committee provides a total of $332,776,000 for the procurement of 240 AIM–120D missiles. This recommendation provides the Air Force and the Navy with a 30 percent increase over fiscal year 2008 production lots.

Minuteman III Motor Life Extension Program.—The Committee is awaiting an Air Force report requested in Senate Report 110–155 to accompany the Department of Defense Appropriations Act for Fiscal Year 2008 on the capability of the defense industrial base to maintain, modernize, and sustain the Minuteman III system until 2030, and on the industrial base's capability to replace the Minuteman III with a follow-on land-based strategic deterrent system after 2030. In the interim, the Committee supports, at a min-

imum, continuing a warm line status for Minuteman III propulsion systems and encourages the Air Force to use funds provided for fiscal year 2009 to initiate a Minuteman III motor life extension program.

PROCUREMENT OF AMMUNITION, AIR FORCE

Appropriations, 2008	$754,117,000
Budget estimate, 2009	894,478,000
Committee recommendation	895,478,000

The Committee recommends an appropriation of $895,478,000. This is $1,000,000 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:

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	PROCUREMENT OF AMMUNITION, AIR FORCE						
	PROCUREMENT OF AMMO, AIR FORCE						
1	ROCKETS	.....	$29,436	.....	$29,436	.....	.....
2	CARTRIDGES	.....	150,815	.....	150,815	.....	.....
	BOMBS						
3	PRACTICE BOMBS	.....	24,590	.....	24,590	.....	.....
4	GENERAL PURPOSE BOMBS	.....	149,695	.....	150,695	.....	+$1,000
6	JOINT DIRECT ATTACK MUNITION	3,647	105,719	3,647	105,719	.....	.....
	FLARE, IR MJU–7B						
8	CAD/PAD	.....	38,190	.....	38,190	.....	.....
9	EXPLOSIVE ORDINANCE DISPOSAL (EOD)	.....	3,246	.....	3,246	.....	.....
10	SPARES AND REPAIR PARTS	.....	4,618	.....	4,618	.....	.....
11	MODIFICATIONS	.....	1,235	.....	1,235	.....	.....
12	ITEMS LESS THAN $5,000,000	.....	2,477	.....	2,477	.....	.....
	FUZES						
13	FLARES	.....	304,159	.....	304,159	.....	.....
14	FUZES	.....	72,133	.....	72,133	.....	.....
	TOTAL, PROCUREMENT OF AMMO, AIR FORCE	.....	886,313	.....	887,313	.....	+1,000
	WEAPONS						
15	SMALL ARMS	.....	8,165	.....	8,165	.....	.....
	TOTAL, PROCUREMENT OF AMMUNITION, AIR FORCE	.....	894,478	.....	895,478	.....	+1,000

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget request
4	GENERAL PURPOSE BOMBS	149,695	150,695	+1,000
	MCAAP Bomb Line Modernization			+1,000

OTHER PROCUREMENT, AIR FORCE

Appropriations, 2008	$15,440,594,000
Budget estimate, 2009	16,128,396,000
Committee recommendation	16,132,171,000

The Committee recommends an appropriation of $16,132,171,000. This is $3,775,000 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:

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	OTHER PROCUREMENT, AIR FORCE						
	VEHICULAR EQUIPMENT						
	PASSENGER CARRYING VEHICLES						
2	PASSENGER CARRYING VEHICLE	.....	$17,662	.....	$17,662	.....	.....
	CARGO + UTILITY VEHICLES						
3	FAMILY MEDIUM TACTICAL VEHICLE	.....	23,002	.....	23,002	.....	.....
5	CAP VEHICLES	.....	889	.....	889	.....	.....
	SPECIAL PURPOSE VEHICLES						
7	SECURITY AND TACTICAL VEHICLES	.....	30,597	.....	30,597	.....	.....
	FIRE FIGHTING EQUIPMENT						
8	FIRE FIGHTING/CRASH RESCUE VEHICLES	.....	27,020	.....	27,020	.....	.....
	MATERIALS HANDLING EQUIPMENT						
	BASE MAINTENANCE SUPPORT						
10	RUNWAY SNOW REMOVAL & CLEANING EQUIP	.....	23,051	.....	23,051	.....	.....
11	ITEMS LESS THAN $5 Million	.....	39,984	.....	39,984	.....	.....
	TOTAL, VEHICULAR EQUIPMENT	.....	162,205	.....	162,205	.....	.....
	ELECTRONICS AND TELECOMMUNICATIONS EQUIP						
	COMM SECURITY EQUIPMENT (COMSEC)						
13	COMSEC EQUIPMENT	.....	137,914	.....	137,914	.....	.....
14	MODIFICATIONS (COMSEC)	.....	1,557	.....	1,557	.....	.....
	INTELLIGENCE PROGRAMS						
15	INTELLIGENCE TRAINING EQUIPMENT	.....	2,671	.....	2,671	.....	.....
16	INTELLIGENCE COMM EQUIP	.....	15,441	.....	18,941	.....	+3,500
	ELECTRONICS PROGRAMS						
17	TRAFFIC CONTROL/LANDING	.....	9,832	.....	9,832	.....	.....
18	NATIONAL AIRSPACE SYSTEM	.....	47,224	.....	47,224	.....	.....
19	THEATER AIR CONTROL SYS IMPRO	.....	68,502	.....	68,502	.....	.....
20	WEATHER OBSERVATION FORECAST	.....	29,377	.....	32,377	.....	+3,000

21	STRATEGIC COMMAND AND CONTROL	.....	53,739	.....	53,739	.....	.....
22	CHEYENNE MOUNTAIN COMPLEX	.....	13,662	.....	13,662	.....	.....
23	DRUG INTERDICTION SUPPORT	.....	950	.....	950	.....	.....
	SPECIAL COMM—ELECTRONICS PROJECTS						
24	GENERAL INFORMATION TECHNOLOGY	.....	100,052	.....	101,052	.....	+1,000
25	AF GLOBAL COMMAND & CONTROL SYSTEM	.....	16,148	.....	16,148	.....	.....
26	MOBILITY COMMAND AND CONTROL	.....	10,475	.....	10,475	.....	.....
27	AIR FORCE PHYSICAL SECURITY SYSTEM	.....	57,728	.....	57,728	.....	.....
28	COMBAT TRAINING RANGES	.....	55,315	.....	88,315	.....	+33,000
29	MINIMUM ESSENTIAL EMERGENCY COM	.....	1	.....	1	.....	.....
30	C3 COUNTERMEASURES	.....	7,754	.....	7,754	.....	.....
31	GCSS-AF FOS	.....	55,783	.....	29,783	.....	−26,000
32	THEATER BATTLE MGT C2 SYS	.....	22,525	.....	22,525	.....	.....
33	AIR OPERATIONS CENTER (AOC)	.....	35,050	.....	35,050	.....	.....
	AIR FORCE COMMUNICATIONS						
34	BASE INFORMATION INFRASTRUCTURE	.....	337,190	.....	340,190	.....	+3,000
35	USCENTCOM	.....	42,677	.....	42,677	.....	.....
	DISA PROGRAMS						
36	SPACE BASED IR SENSOR PROG SPACE	.....	80,405	.....	80,405	.....	.....
37	NAVSTAR GPS SPACE	.....	25,526	.....	25,526	.....	.....
38	NUDET DETECTION SYS (NDS) SPACE	.....	27,626	.....	27,626	.....	.....
39	AF SATELLITE CONTROL NETWORK SPACE	.....	65,383	.....	65,383	.....	.....
40	SPACELIFT RANGE SYSTEM SPACE	.....	101,983	.....	101,983	.....	.....
41	MILSATCOM SPACE	.....	106,323	.....	106,323	.....	.....
42	SPACE MODS SPACE	.....	23,121	.....	23,121	.....	.....
43	COUNTERSPACE SYSTEM	.....	29,232	.....	29,232	.....	.....
	ORGANIZATION AND BASE						
44	TACTICAL C-E EQUIPMENT	.....	293,153	.....	241,644	.....	−51,509
45	COMBAT SURVIVOR EVADER LOCATER	.....	26,878	.....	26,878	.....	.....
46	RADIO EQUIPMENT	.....	13,463	.....	13,463	.....	.....
48	CCTV/AUDIOVISUAL EQUIPMENT	.....	7,423	.....	7,423	.....	.....
49	BASE COMM INFRASTRUCTURE	.....	135,808	.....	137,208	.....	+1,400
	MODIFICATIONS						
51	COMM ELECT MODS	.....	33,258	.....	33,258	.....	.....
	TOTAL, ELECTRONICS AND TELECOMMUNICATIONS EQUIP	.....	2,091,149	.....	2,058,540	.....	−32,609

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	OTHER BASE MAINTENANCE AND SUPPORT EQUIP						
	PERSONAL SAFETY AND RESCUE EQUIP						
52	NIGHT VISION GOGGLES	.....	18,626	.....	18,626	.....	.....
	DEPOT PLANT + MATERIALS HANDLING EQ						
53	MECHANIZED MATERIAL HANDLING	.....	21,573	.....	21,573	.....	.....
	BASE SUPPORT EQUIPMENT						
54	BASE PROCURED EQUIPMENT	.....	17,038	.....	27,058	.....	+10,020
56	AIR BASE OPERABILITY	.....	6,483	.....	6,483	.....	.....
57	PRODUCTIVITY CAPITAL INVESTMENT	.....	3,021	.....	3,021	.....	.....
58	MOBILITY EQUIPMENT	.....	26,459	.....	26,459	.....	.....
59	ITEMS LESS THAN $5 Million (BASE SUPPORT)	.....	14,237	.....	15,237	.....	+1,000
	SPECIAL SUPPORT PROJECTS						
61	DARP RC135	.....	22,924	.....	22,924	.....	.....
62	DARP, MRIGS	.....	251,805	.....	251,805	.....	.....
64	SPECIAL UPDATE PROGRAM	.....	410,370	.....	410,370	.....	.....
65	DEFENSE SPACE RECONNAISSANCE PROGRAM	.....	15,805	.....	15,805	.....	.....
	TOTAL, OTHER BASE MAINTENANCE AND SUPPORT EQUIP	.....	808,341	.....	819,361	.....	+11,020
	SPARE AND REPAIR PARTS						
66	SPARES AND REPAIR PARTS	.....	25,616	.....	25,616	.....	.....
	CLASSIFIED PROGRAMS	.....	13,041,085	.....	13,066,449	.....	+25,364
	TOTAL, OTHER PROCUREMENT, AIR FORCE	.....	16,128,396	.....	16,132,171	.....	+3,775

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
16	INTELLIGENCE COMM EQUIPMENT	15,441	18,941	+3,500
	Hawaii ANG Eagle Vision One Meter SAR and Communications Upgrades			+3,500
20	WEATHER OBSERVATION FORECAST	29,377	32,377	+3,000
	Observation Systems for the 21st Century			+3,000
24	GENERAL INFORMATION TECHNOLOGY	100,052	101,052	+1,000
	Science, Engineering, and Laboratory Data Integration (SELDI)			+1,000
28	COMBAT TRAINING RANGES	55,315	88,315	+33,000
	Joint National Training Capability-Red Flag/Northern Edge Training Range Enhancements			+8,000
	Training Range Enhancements			+20,000
	Unmanned Threat Emitter (UMTE) Modernization			+5,000
31	GCSS–AF FOS	55,783	29,783	−26,000
	Expeditionary Combat Support System Unjustified Growth			−26,000
34	BASE INFO INFRASTRUCTURE	337,190	340,190	+3,000
	NORAD and USNORTHCOM Interoperable Communications			+3,000
44	TACTICAL C–E EQUIPMENT	293,153	241,644	−51,509
	Laser Targeting Devices			−51,509
49	BASE COMM INFRASTRUCTURE	135,808	137,208	+1,400
	Alaskan NORAD Region Communications Survivability and Diversity			+1,400
54	BASE PROCURED EQUIPMENT	17,038	27,058	+10,020
	Base Low-cost Integrated Surveillance System			+5,000
	Laser Marksmanship Training System (LMTS)			+3,000
	Nanotechnology Equipment for Laboratories			+1,000
	Revitalize Buckley AFB Small Arms Training Range			+1,020
59	ITEMS LESS THAN $5 MILLION (BASE S)	14,237	15,237	+1,000
	Life Support Radio Tests			+1,000
99	CLASSIFIED PROGRAMS	13,041,085	13,066,449	+25,364

Other Procurement, Air Force Budget Justification Documents.—During its budget review, the Committee relies heavily on justification documents. It is critical that these budget justifications adhere to the guidelines set forth in Department of Defense Financial Management Regulations [FMR]. The regulations clearly state that all exhibits must include production schedules and, when appropriate, both quantity and unit cost information. Unfortunately, the Other Procurement, Air Force [OPAF] justification book includes few production schedules, and most P–5 forms omit quantity and unit cost information. In order to remedy these problems, the Committee encourages the Air Force to take corrective actions to ensure its justification books fully comply with FMR regulations.

PROCUREMENT, DEFENSE-WIDE

Appropriations, 2008	$3,269,035,000
Budget estimate, 2009	3,164,228,000
Committee recommendation	3,179,013,000

The Committee recommends an appropriation of $3,179,013,000. This is $14,785,000 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:

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	PROCUREMENT, DEFENSE-WIDE						
	MAJOR EQUIPMENT						
	MAJOR EQUIPMENT, OSD						
1	MAJOR EQUIPMENT, OSD	.....	$105,946	.....	$105,946	.....	.....
	MAJOR EQUIPMENT, NSA						
6	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP)	.....	4,505	.....	4,505	.....	.....
	MAJOR EQUIPMENT, WHS						
9	MAJOR EQUIPMENT, WHS	.....	26,649	.....	26,649	.....	.....
	MAJOR EQUIPMENT, DISA						
11	INFORMATION SYSTEMS SECURITY	.....	54,934	.....	48,734	.....	−$6,200
13	GLOBAL COMMAND AND CONTROL SYS	.....	10,973	.....	10,973	.....	.....
14	GLOBAL COMBAT SUPPORT SYSTEM	.....	2,788	.....	2,788	.....	.....
15	TELEPORT PROGRAM	.....	15,062	.....	15,062	.....	.....
16	ITEMS LESS THAN $5 Million	.....	121,296	.....	111,296	.....	−10,000
17	NET CENTRIC ENTERPRISE SERVICES (NCES)	.....	36,765	.....	36,765	.....	.....
18	DEFENSE INFORMATION SYSTEMS NETWORK	.....	90,328	.....	90,328	.....	.....
19	PUBLIC KEY INFRASTRUCTURE	.....	1,894	.....	1,894	.....	.....
21	JOINT COMMAND AND CONTROL PROGRAM	.....	7,952	.....	.....	.....	−7,952
22	CYBER SECURITY INITIATIVE	.....	19,100	.....	19,100	.....	.....
	MAJOR EQUIPMENT, DLA						
33	MAJOR EQUIPMENT	.....	8,789	.....	8,789	.....	.....
	MAJOR EQUIPMENT, DCAA						
34	MAJOR EQUIPMENT ITEMS LESS THAN $5 Million	.....	1,523	.....	1,523	.....	.....
	MAJOR EQUIPMENT, TJS						
35	MAJOR EQUIPMENT, TJS	.....	25,897	.....	25,897	.....	.....
	MAJOR EQUIPMENT, DHRA						
36	PERSONNEL ADMINISTRATION	.....	19,214	.....	10,014	.....	−9,200
	DEFENSE THREAT REDUCTION AGENCY						
40	OTHER MAJOR EQUIPMENT	.....	5,621	.....	5,621	.....	.....

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	MAJOR EQUIPMENT, AFIS						
	MAJOR EQUIPMENT, DODDE						
42	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS	.....	1,498	.....	1,498	.....	.....
	MAJOR EQUIPMENT, DCMA						
43	MAJOR EQUIPMENT	.....	2,149	.....	2,149	.....	.....
	MAJOR EQUIPMENT, DTSA						
44	MAJOR EQUIPMENT	.....	436	.....	436	.....	.....
	MAJOR EQUIPMENT, BTA						
45	MAJOR EQUIPMENT, BTA	.....	689	.....	689	.....	.....
	MAJOR EQUIPMENT, DMACT						
46	A—WEAPON SYSTEM COST	3	11,158	3	11,158	.....	.....
	MAJOR EQUIPMENT, MDA						
	MAJOR EQUIPMENT	.....	.....	.....	115,000	.....	+115,000
	TOTAL, MAJOR EQUIPMENT	.....	575,166	.....	656,814	.....	+81,648
	SPECIAL OPERATIONS COMMAND						
	AVIATION PROGRAMS						
47	SOF ROTARY WING UPGRADES AND SUSTAINMENT	.....	51,950	.....	51,950	.....	.....
49	MH–47 SLEP	.....	63,667	.....	63,667	.....	.....
50	MH–60 SOF MODERNIZATION PROGRAM	.....	98,163	.....	98,163	.....	.....
51	NON-STANDARD AVIATION	6	39,172	6	39,172	.....	.....
52	SOF TANKER RECAPITALIZATION	.....	36,286	.....	.....	.....	−36,286
53	SOF U–28	.....	7,659	.....	7,659	.....	.....
55	CV–22 SOF MODIFICATION	6	162,971	6	162,971	.....	.....
57	C–130 MODIFICATIONS	.....	47,018	.....	33,318	.....	−13,700
58	AIRCRAFT SUPPORT	.....	1,347	.....	1,347	.....	.....
	SHIPBUILDING						
59	ADVANCED SEAL DELIVERY SYS (ASDS)	.....	5,760	.....	5,760	.....	.....
60	MK VIII MOD 1—SEAL DELIVERY VEH	.....	7,061	.....	7,061	.....	.....

	AMMUNITION PROGRAMS						
61	SOF ORDNANCE REPLENISHMENT	.....	67,083	.....	67,083	.....	.....
62	SOF ORDNANCE ACQUISITION	.....	5,540	.....	12,540	.....	+7,000
	OTHER PROCUREMENT PROGRAMS						
63	COMM EQUIPMENT & ELECTRONICS	.....	67,220	.....	67,220	.....	.....
64	SOF INTELLIGENCE SYSTEMS	.....	54,122	.....	54,122	.....	.....
65	SMALL ARMS & WEAPONS	.....	15,689	.....	24,689	.....	+9,000
67	MARITIME EQUIPMENT MODS	.....	1,265	.....	1,265	.....	.....
68	SPECIAL APPLICATIONS FOR CONTINGENCIES	.....	12,484	.....	12,484	.....	.....
69	SOF COMBATANT CRAFT SYSTEMS	.....	18,795	.....	18,795	.....	.....
70	SPARES AND REPAIR PARTS	.....	3,272	.....	3,272	.....	.....
72	TACTICAL VEHICLES	.....	3,702	.....	3,702	.....	.....
73	MISSION TRAINING AND PREPARATIONS SYSTEMS	.....	34,151	.....	36,651	.....	+2,500
74	COMBAT MISSION REQUIREMENTS	.....	21,593	.....	20,000	.....	−1,593
75	MILCON COLLATERAL EQUIPMENT	.....	11,722	.....	11,722	.....	.....
76	UNMANNED VEHICLES	.....	27,194	.....	22,561	.....	−4,633
78	SOF AUTOMATION SYSTEMS	.....	55,248	.....	55,248	.....	.....
79	SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES	.....	15,862	.....	15,862	.....	.....
80	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE	.....	25,892	.....	25,892	.....	.....
81	SOF SOLDIER PROTECTION AND SURVIVAL SYSTEMS	.....	15,455	.....	15,455	.....	.....
82	SOF VISUAL AUGMENTATION, LASERS AND SENSOR SYSTEMS	.....	30,201	.....	25,801	.....	−4,400
83	SOF TACTICAL RADIO SYSTEMS	.....	33,966	.....	21,966	.....	−12,000
84	SOF MARITIME EQUIPMENT	.....	13,450	.....	13,450	.....	.....
86	MISCELLANEOUS EQUIPMENT	.....	15,331	.....	15,331	.....	.....
87	SOF OPERATIONAL ENHANCEMENTS	.....	315,443	.....	320,443	.....	+5,000
88	PSYOP EQUIPMENT	.....	64,778	.....	64,778	.....	.....
	TOTAL, SPECIAL OPERATIONS COMMAND	.....	1,450,512	.....	1,401,400	.....	−49,112
	CHEMICAL/BIOLOGICAL DEFENSE						
	CBDP						
89	INSTALLATION FORCE PROTECTION	.....	88,565	.....	88,565	.....	.....
90	INDIVIDUAL PROTECTION	.....	80,211	.....	80,211	.....	.....
91	DECONTAMINATION	.....	22,299	.....	26,399	.....	+4,100
92	JOINT BIOLOGICAL DEFENSE PROGRAM	.....	38,702	.....	38,702	.....	.....
93	COLLECTIVE PROTECTION	.....	37,784	.....	37,784	.....	.....
94	CONTAMINATION AVOIDANCE	.....	199,610	.....	188,160	.....	−11,450
	TOTAL, CHEMICAL/BIOLOGICAL DEFENSE	.....	467,171	.....	459,821	.....	−7,350

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	CLASSIFIED PROGRAMS	.....	671,379	.....	660,978	.....	-10,401
	TOTAL, PROCUREMENT, DEFENSE-WIDE	.....	3,164,228	.....	3,179,013	.....	+14,785

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
11	INFORMATION SYSTEMS SECURITY	54,934	48,734	−6,200
	SIPRNET Access Control			−3,000
	Risk Assessment Tools			−3,200
16	ITEMS LESS THAN $5 MILLION	121,296	111,296	−10,000
	Stabilize Tech Refresh Activities			−10,000
21	JOINT COMMAND AND CONTROL PROGRAM	7,952		−7,952
	Authorization Adjustment			−7,952
36	PERSONNEL ADMINISTRATION	19,214	10,014	−9,200
	Reduction to Growth			−9,200
	MAJOR EQUIPMENT, MDA		115,000	+115,000
	THAAD Long Lead for Fire Units 3 & 4 (Transfer from RDDW, Line 72)			+115,000
52	SOF TANKER RECAPITALIZATION	36,286		−36,286
	Forward-funded in fiscal year 2008 Supplemental			−36,286
57	C–130 MODIFICATIONS	47,018	33,318	−13,700
	30mm Modifications—Program Cancellation			−13,700
62	SOF ORDNANCE ACQUISITION	5,540	12,540	+7,000
	40mm AC–130 Ammunition			+7,000
65	SMALL ARMS AND WEAPONS	15,689	24,689	+9,000
	LA–5/PEQ Integrated Small Arms Illuminator			+1,500
	MK47 Mod 0 Advanced Lightweight Grenade Launcher			+4,500
	SOF Combat Assault Rifle			+3,000
73	MISSION TRAINING AND PREPARATION SYSTEMS	34,151	36,651	+2,500
	Small Arms Training Ranges			+2,500
74	COMBAT MISSION REQUIREMENTS	21,593	20,000	−1,593
	Reduction to Growth			−1,593
76	UNMANNED VEHICLES	27,194	22,561	−4,633
	Neptune UAS			−4,633
82	SOF VISUAL AUGMENTATION, LASERS AND SENSOR SYSTEMS	30,201	25,801	−4,400
	SOVAS Hand Held Imager/Long Range			+3,000
	SOVAS Hand Held Images/Pocket			+2,500
	PLTD			−9,900
83	SOF TACTICAL RADIO SYSTEMS	33,966	21,966	−12,000
	MBITR Program Acceleration			−12,000
87	SOF OPERATIONAL ENHANCEMENTS	315,443	320,443	+5,000
	Mission Helmet Recording System			+3,000
	M53 Individual Protective Mask			+2,000
91	DECONTAMINATION	22,299	26,399	+4,100
	Reactive Skin Decontamination Lotion			+4,100
94	CONTAMINATION AVOIDANCE	199,610	188,160	−11,450
	Joint Biological Standoff Detection System			+5,000
	Joint Chemical Agent Detector			+5,000
	JNCBRS Increment I Assembly			−18,950
	JWARN			−2,500
	CLASSIFIED PROGRAMS	671,379	660,978	−10,401

Combat Mission Requirements.—The Committee recommends $20,000,000 for Special Operations Command Combat Mission Requirements, equal to the amount appropriated in fiscal year 2008. The Committee directs Special Operations Command to submit quarterly reports to the congressional defense committees on the use of these funds.

NATIONAL GUARD AND RESERVE EQUIPMENT

Appropriations, 2008	$980,000,000
Budget estimate, 2009	
Committee recommendation	750,000,000

The Committee recommends an appropriation of $750,000,000. This is $750,000,000 above the budget estimate.

The appropriation includes direction for each Reserve and National Guard component commander to submit to the congressional defense committees a detailed assessment of that component's modernization priorities, not later than 30 days after enactment of this act. The Committee continues to believe that the Reserve and National Guard component commanders should exercise control of the funds provided in this account. This will help ensure that the most urgent Reserve and National Guard equipment modernization priorities are addressed with the funding provided in this appropriation.

The Committee is pleased that in the fiscal year 2009 request the Army has prioritized Army Reserve and Guard equipment modernization efforts. The Army Reserve and Army National Guard continue to face significant equipment shortfalls, straining efforts to perform pre-deployment training and provide emergency support to civil authorities. The Committee urges the Army to continue prioritizing the procurement of Guard and Reserve equipment and to ensure that those items requested for the Guard and Reserve are also fielded to those components.

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:

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from Qty.	Change from Budget estimate
	NATIONAL GUARD & RESERVE EQUIPMENT						
	RESERVE EQUIPMENT						
	ARMY RESERVE						
1	MISCELLANEOUS EQUIPMENT	.....	.....	.....	$70,000	.....	+$70,000
	NAVY RESERVE						
2	MISCELLANEOUS EQUIPMENT	.....	.....	.....	40,000	.....	+40,000
	MARINE CORPS RESERVE						
3	MISCELLANEOUS EQUIPMENT	.....	.....	.....	40,000	.....	+40,000
	AIR FORCE RESERVE						
4	MISCELLANEOUS EQUIPMENT	.....	.....	.....	40,000	.....	+40,000
	TOTAL, RESERVE EQUIPMENT	.....	.....	.....	190,000	.....	+190,000
	NATIONAL GUARD EQUIPMENT						
	ARMY NATIONAL GUARD						
5	MISCELLANEOUS EQUIPMENT	.....	.....	.....	450,000	.....	+450,000
	AIR NATIONAL GUARD						
6	MISCELLANEOUS EQUIPMENT	.....	.....	.....	110,000	.....	+110,000
	TOTAL, NATIONAL GUARD EQUIPMENT	.....	.....	.....	560,000	.....	+560,000
	TOTAL, NATIONAL GUARD & RESERVE EQUIPMENT	.....	.....	.....	750,000	.....	+750,000

COMMITTEE RECOMMENDED ADJUSTMENTS

ARMY RESERVE

Miscellaneous Equipment.—The Committee recommends $70,000,000 for the procurement of unspecified miscellaneous equipment to improve the readiness ratings of Army Reserve units.

NAVY RESERVE

Miscellaneous Equipment.—The Committee recommends $40,000,000 for the procurement of unspecified miscellaneous equipment to improve the readiness ratings of Navy Reserve units.

MARINE CORPS RESERVE

Miscellaneous Equipment.—The Committee recommends $40,000,000 for the procurement of unspecified miscellaneous equipment to improve the readiness ratings of Marine Corps Reserve units.

AIR FORCE RESERVE

Miscellaneous Equipment.—The Committee recommends $40,000,000 for the procurement of unspecified miscellaneous equipment to improve the readiness ratings of Air Force Reserve units.

ARMY NATIONAL GUARD

Miscellaneous Equipment.—The Committee recommends $450,000,000 for the procurement of unspecified miscellaneous equipment to improve the readiness ratings of Army National Guard units.

AIR NATIONAL GUARD

Miscellaneous Equipment.—The Committee recommends $110,000,000 for the procurement of unspecified miscellaneous equipment to improve the readiness ratings of Air National Guard units.

ITEMS OF SPECIAL INTEREST

The Committee directs that the National Guard and Reserve equipment program shall be executed by the heads of the Guard and Reserve components with priority consideration for miscellaneous equipment appropriations given to the following items:

AB–FIST Gunnery Trainer Upgrades; Active Electronically Scanned Array Radar [AESA]; Advanced Mission Extender Device; ARC–220 radios for UH–60 Black Hawks; Ambulance Trucks; AN/AAQ–24 [LAIRCM] for C–17, C–130, and KC–135R; AN/AVS–6; Armored Security Vehicles; Combat Readiness Training Centers [CRTC]; Combined Arms Virtual Trainers; Electronic Flight Information System upgrades and MPRS Mod Programs for KC–135R; EPLRS Microlite; Engine Kits to Modify the F 100–PW to the 220E configuration; Fuel Service tank trucks; Defense Advanced GPS Receivers; F–15 Advanced Radar Warning Receiver [RWR] Subset of Eagle Passive Active Warning Survivability System [EPAWSS]; F–

15 Embedded GPS/INS [EGI]; F–15 Joint Helmet Mounted Cueing System [JHMCS]; F–16 Block 42 Engine Upgrades; F–16 Full Combat Mission Trainer [FCMT]; Fuel Catalyst Vehicle Retrofit; HC–130 AN/ARS–6v12 Recovery Systems; HC–130 Multi Function Color Display; Heavy Expanded Mobility Truck Wreckers with winch; Infrared Aircraft Deicing systems; Integrated Mechanical Diagnostic-Health and Usage Monitoring system; Integrated Terrestrial and Satellite Emergency Communications Capability [ITSECC]; Joint Threat Emitter [JTE] Production Acceleration; Large Aircraft Infrared Counter-Measures; LITENING 4th Generation Advanced Targeting Pod Spiral Upgrade Kits; M1151 Up-Armored HMMHV; M249 Machine Gun; M2.50 Caliber Machine Gun; M777A2 Lightweight 155MM Howitzer; Mine Resistant Ambush Protected Vehicle Virtual Trainers; Panoramic Night Vision for HH–60s; Rover III Receiver; T56 engine mod kits; Tactical Cargo Trucks; Tandem Tether Parachutes; Technisonic TDFM–6148; UH–60 A to L conversions; Telepresent Rapid Aiming Platform (TRAP); UHF/VHF radios; Upgrade of Eagle Vision VI; VCC+ (Very High Speed Integrated Circuitry Central Computer [VHSICC] Plus); Virtual Convoy Operations Trainers; and Virtual Door Gunner Trainers.

DEFENSE PRODUCTION ACT PURCHASES

Appropriations, 2008	$94,792,000
Budget estimate, 2009	36,365,000
Committee recommendation	87,565,000

The Committee recommends an appropriation of $87,565,000. This is $51,200,000 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:

[Dollar amounts in thousands]

Line	Item	Qty.	2009 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	DEFENSE PRODUCTION ACT PURCHASES						
1	DEFENSE PRODUCTION ACT PURCHASES	.....	$36,365	.....	$87,565	.....	+$51,200

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Item	Fiscal year 2009 request	Committee recommendation	Change from budget estimate
Defense Production Act Purchases	36,365	87,565	+51,200
ALON and Spinel Optical Ceramics			+5,000
Automated Composite Technologies and Manufacturing Center			+5,000
Carbon Foam Program			+12,000
Extremely Large, Domestic Expendable and Reusable Structures Manufacturing Center (ELDERS)			+8,000
High Homogeneity Optical Glass			+4,000
Hybrid Plastics and POSS Nanotechnology Engineering Scale-Up Initiative			+3,000
Lightweight Small Caliber Ammunition Production Initiative			+4,200
Reactive Plastic CO_2 Absorbent Production Capacity			+2,000
Read Out Integrated Circuit Manufacturing Improvement			+2,000
Silicon Carbide Armor Manufacture Initiative			+2,000
Titanium Metal Matrix Composite and Nano Enhanced Titanium Development			+4,000

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 2009 budget requests a total of $79,615,941,000 for research, development, test and evaluation appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends research, development, test and evaluation appropriations totaling $78,634,853,000 for fiscal year 2009. This is $981,088,000 below the budget estimate.

Committee recommended research, development, test and evaluation appropriations for fiscal year 2009 are summarized below:

SUMMARY OF RESEARCH, DEVELOPMENT, TEST AND EVALUATION APPROPRIATIONS

[In thousands of dollars]

Account	2009 budget estimate	Committee recommendation	Change from budget estimate
Research, Development, Test and Evaluation:			
Army	10,524,085	11,267,683	+743,598
Navy	19,337,238	19,452,403	+115,165
Air Force	28,066,617	26,947,810	−1,118,807
Defense-Wide	21,499,229	20,778,185	−721,044
Operational Test and Evaluation, Defense	188,772	188,772	.....
Total	79,615,941	78,634,853	−981,088

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. 3001, the National Defense Authorization Act for Fiscal Year 2009 as reported.

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

RESEARCH, DEVELOPMENT, TEST AND EVALUATION OVERVIEW

Research, Development Test and Evaluation [RDT&E] Program Element Codes and Budget Justification Documents.—Senate Report 110–155, accompanying the Fiscal Year 2008 Department of Defense Appropriations Act, recommended several improvements the Committee believes would enhance the information provided to Congress in the RDT&E budget documentation materials. This includes the provision of specific information about activities conducted and accomplishments achieved with prior year funding; information on planned activities and their costs for the budget year at the project level; the improvement of cross references among projects; provision of schedules that identify key events; updates to narratives that reflect prior years' events; and the implementation of a more informative display of programmatic, schedule and budgetary changes. The Committee remains hopeful that improvements to the quality of the budget justification documents will be made with the fiscal year 2010 budget submission.

F–35 Joint Strike Fighter.—The Committee is disappointed that the Department of Defense did not continue funding to support the development of an alternative engine for the F–35 Joint Strike Fighter in the fiscal year 2009 budget request. Although the Committee recognizes that the Department of Defense faces difficult budget challenges, the Committee also believes it is premature to cancel the second engine source. Experience with the F–16 Fighter program demonstrated that engine competition led to a more reliable, better performing and lower cost engine. The Committee believes that competition for the F–35 engine is critical to procuring the best value engine at the lowest price and that competition will likely lead to an overall savings across the life cycle of the fighter program. Therefore, as authorized in S. 3001, the National Defense Authorization Act for Fiscal Year 2009 as reported, the Committee recommends an additional $247,500,000 in each of the Navy and Air Force Research, Development, Test and Evaluation accounts for alternate engine development. The Committee also directs the Department of Defense to fund the continued development of both engines in future budget submissions.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

Appropriations, 2008	$12,126,591,000
Budget estimate, 2009	10,524,085,000
Committee recommendation	11,267,683,000

The Committee recommends an appropriation of $11,267,683,000. This is $743,598,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY			
	BASIC RESEARCH			
1	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	19,832	19,832	.....
2	DEFENSE RESEARCH SCIENCES	176,959	184,459	+7,500
3	UNIVERSITY RESEARCH INITIATIVES	76,980	85,980	+9,000
4	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	105,622	121,822	+16,200
	TOTAL, BASIC RESEARCH	379,393	412,093	+32,700
	APPLIED RESEARCH			
5	MATERIALS TECHNOLOGY	26,985	70,985	+44,000
6	SENSORS AND ELECTRONIC SURVIVABILITY	46,147	61,147	+15,000
7	TRACTOR HIP	18,192	18,192	.....
8	AVIATION TECHNOLOGY	42,013	42,013	.....
9	ELECTRONIC WARFARE TECHNOLOGY	16,611	16,611	.....
10	MISSILE TECHNOLOGY	48,174	52,174	+4,000
11	ADVANCED WEAPONS TECHNOLOGY	19,664	19,664	.....
12	ADVANCED CONCEPTS AND SIMULATION	17,048	22,048	+5,000
13	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY	55,234	70,234	+15,000
14	BALLISTICS TECHNOLOGY	71,550	78,050	+6,500
15	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY	2,295	5,295	+3,000
16	JOINT SERVICE SMALL ARMS PROGRAM	7,531	7,531	.....
17	WEAPONS AND MUNITIONS TECHNOLOGY	30,576	54,076	+23,500
18	ELECTRONICS AND ELECTRONIC DEVICES	45,278	72,778	+27,500
19	NIGHT VISION TECHNOLOGY	25,647	31,247	+5,600
20	COUNTERMINE SYSTEMS	21,815	25,815	+4,000
21	HUMAN FACTORS ENGINEERING TECHNOLOGY	17,348	17,348	.....
22	ENVIRONMENTAL QUALITY TECHNOLOGY	16,064	19,064	+3,000
23	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY	24,014	25,014	+1,000
24	COMPUTER AND SOFTWARE TECHNOLOGY	5,495	6,495	+1,000
25	MILITARY ENGINEERING TECHNOLOGY	52,066	57,066	+5,000
26	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	16,412	16,412	.....
27	WARFIGHTER TECHNOLOGY	21,948	25,948	+4,000
28	MEDICAL TECHNOLOGY	75,395	114,995	+39,600
	TOTAL, APPLIED RESEARCH	723,502	930,202	+206,700
	ADVANCED TECHNOLOGY DEVELOPMENT			
29	WARFIGHTER ADVANCED TECHNOLOGY	46,793	52,293	+5,500
30	MEDICAL ADVANCED TECHNOLOGY	59,043	160,243	+101,200
31	AVIATION ADVANCED TECHNOLOGY	57,277	89,177	+31,900
32	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY	73,697	91,597	+17,900
33	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY	107,992	213,792	+105,800
34	COMMAND, CONTROL, COMMUNICATIONS ADVANCED TECHNOLOGY	9,183	9,183	.....
35	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	6,853	6,853	.....
36	ELECTRONIC WARFARE ADVANCED TECHNOLOGY	50,961	59,461	+8,500
37	TRACTOR HIKE	14,562	14,562	.....
38	NEXT GENERATION TRAINING & SIMULATION SYSTEMS	18,881	21,381	+2,500
39	TRACTOR ROSE	11,575	11,575	.....
41	EXPLOSIVES DEMILITARIZATION TECHNOLOGY	10,564	13,564	+3,000
42	MILITARY HIV RESEARCH	7,116	7,116	.....
43	COMBATING TERRORISM, TECHNOLOGY DEVELOPMENT	13,064	13,064	.....
45	ELECTRONIC WARFARE TECHNOLOGY	23,996	23,996	.....
46	MISSILE AND ROCKET ADVANCED TECHNOLOGY	63,998	71,998	+8,000
47	TRACTOR CAGE	12,372	12,372	.....
48	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY	30,797	36,697	+5,900
49	JOINT SERVICE SMALL ARMS PROGRAM	8,809	8,809	.....
50	NIGHT VISION ADVANCED TECHNOLOGY	39,916	57,666	+17,750
51	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS	15,519	15,519	.....
52	MILITARY ENGINEERING ADVANCED TECHNOLOGY	7,654	11,654	+4,000
53	ADVANCED TACTICAL COMPUTER SCIENCE & SENSOR TECHNOLOGY	48,236	54,236	+6,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	738,858	1,056,808	+317,950
	DEMONSTRATION & VALIDATION			
54	UNIQUE ITEM IDENTIFICATION (UID)	649	649	
55	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	14,005	84,805	+70,800
56	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION (SPACE)	19,986	43,486	+23,500
57	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	116,410	119,910	+3,500
59	LANDMINE WARFARE AND BARRIER—ADV DEV	29,234	14,234	−15,000
60	SMOKE, OBSCURANT AND TARGET DEFEATING SYS—ADV DEV	3,840	3,840	
61	TANK AND MEDIUM CALIBER AMMUNITION	45,866	43,442	−2,424
62	ADVANCED TANK ARMAMENT SYSTEM (ATAS)	108,012	70,012	−38,000
63	SOLDIER SUPPORT AND SURVIVABILITY	30,716	19,716	−11,000
65	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	2,588	2,588	
66	ENVIRONMENTAL QUALITY TECHNOLOGY	5,355	5,355	
67	WARFIGHTER INFORMATION NETWORK—TACTICAL	414,357	414,357	
68	NATO RESEARCH AND DEVELOPMENT	5,041	5,041	
69	AVIATION—ADV DEV	7,455	7,455	
70	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV	44,141	44,141	
71	COMBAT SERVICE SUPPORT CONTROL SYSTEM EVALUATION	17,788	17,788	
72	MEDICAL SYSTEMS—ADV DEV	26,308	30,308	+4,000
73	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT	36,558	37,558	+1,000
	TOTAL, DEMONSTRATION & VALIDATION	928,309	964,685	+36,376
	ENGINEERING & MANUFACTURING DEVELOPMENT			
76	AIRCRAFT AVIONICS	71,562	71,562	
77	ARMED, DEPLOYABLE OH–58D	135,652	135,652	
78	ELECTRONIC WARFARE DEVELOPMENT	32,325	37,325	+5,000
80	TRACTOR CAGE	16,807	16,807	
82	INFANTRY SUPPORT WEAPONS	42,414	57,714	+15,300
83	MEDIUM TACTICAL VEHICLES	1,949	1,949	
84	SMOKE, OBSCURANT AND TARGET DEFEATING SYS—SDD	5,603	5,603	
85	FAMILY OF HEAVY TACTICAL VEHICLES	2,901	2,901	
86	AIR TRAFFIC CONTROL	14,214	14,214	
89	NON-LIGHT OF SIGHT LAUNCH SYSTEM	200,099	208,699	+8,600
90	NON-LINE OF SIGHT CANNON	89,841	89,841	
91	FCS MANNED GRD VEHICLES & COMMON GRD VEHICLE	774,257	785,257	+11,000
92	FCS SYSTEMS OF SYSTEMS ENGR & PROGRAM MGMT	1,413,945	1,419,445	+5,500
93	FCS RECONNAISSANCE (UAV) PLATFORMS	34,379	45,379	+11,000
94	FCS UNMANNED GROUND VEHICLES	96,918	96,918	
95	FCS UNATTENDED GROUND SENSORS	12,967	17,067	+4,100
96	FCS SUSTAINMENT & TRAINING R&D	539,145	558,145	+19,000
97	MODULAR BRIGADE ENHANCEMENT	64,900	103,400	+38,500
98	NIGHT VISION SYSTEMS—SDD	44,508	44,508	
99	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	2,499	2,499	
100	NON-SYSTEM TRAINING DEVICES—SDD	35,424	38,424	+3,000
101	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—SDD	22,415	22,415	
102	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	26,244	26,244	
103	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	23,582	18,582	−5,000
104	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—SDD	16,095	16,095	
105	COMBINED ARMS TACTICAL TRAINER (CATT) CORE	29,468	29,468	
106	JOINT NETWORK MANAGEMENT SYSTEM	676	676	
107	WEAPONS AND MUNITIONS—SDD	52,140	54,640	+2,500
108	LOGISTICS AND ENGINEER EQUIPMENT—SDD	37,718	38,718	+1,000
109	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—SDD	9,795	9,795	
110	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT	34,971	37,971	+3,000
111	LANDMINE WARFARE/BARRIER—SDD	126,475	126,475	
113	ARTILLERY MUNITIONS	78,197	78,197	
114	COMBAT IDENTIFICATION	10,909	10,909	
115	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE	67,535	64,535	−3,000
117	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS)	60,308	50,308	−10,000
118	FIREFINDER	47,845	47,845	
119	SOLDIER SYSTEMS—WARRIOR DEM/VAL	15,790	17,790	+2,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
120	ARTILLERY SYSTEMS	42,300	42,300	.....
121	PATRIOT/MEADS COMBINED AGGREGATE PROGRAM (CAP)	431,270	431,270	.....
122	NUCLEAR ARMS CONTROL MONITORING SENSOR NETWORK	6,260	6,260	.....
123	INFORMATION TECHNOLOGY DEVELOPMENT	73,740	58,040	−15,700
124	JOINT AIR-TO-GROUND MISSILE (JAGM)	118,517	118,517	.....
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	4,964,559	5,060,359	+95,800
	RDT&E MANAGEMENT SUPPORT			
126	THREAT SIMULATOR DEVELOPMENT	21,416	21,416	.....
127	TARGET SYSTEMS DEVELOPMENT	13,498	13,498	.....
128	MAJOR T&E INVESTMENT	64,618	64,618	.....
130	RAND ARROYO CENTER	16,339	20,839	+4,500
131	ARMY KWAJALEIN ATOLL	174,601	174,601	.....
132	CONCEPTS EXPERIMENTATION PROGRAM	28,271	34,471	+6,200
134	ARMY TEST RANGES AND FACILITIES	342,079	347,579	+5,500
135	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	74,624	80,524	+5,900
136	SURVIVABILITY/LETHALITY ANALYSIS	41,066	41,066	.....
137	DOD HIGH ENERGY LASER TEST FACILITY	2,835	7,835	+5,000
138	AIRCRAFT CERTIFICATION	5,054	5,054	.....
139	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES	8,289	8,289	.....
140	MATERIEL SYSTEMS ANALYSIS	17,028	17,028	.....
142	SUPPORT OF OPERATIONAL TESTING	72,942	72,942	.....
143	ARMY EVALUATION CENTER	63,382	63,382	.....
144	SIMULATION & MODELING FOR ACQ, RQTS, & TNG (SMART)	5,325	5,325	.....
145	PROGRAMWIDE ACTIVITIES	73,748	73,748	.....
146	TECHNICAL INFORMATION ACTIVITIES	42,905	44,905	+2,000
147	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	20,857	35,357	+14,500
148	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	5,125	5,125	.....
149	MANAGEMENT HEADQUARTERS (RESEARCH AND DEVELOPMENT)	15,665	15,665	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	1,109,667	1,153,267	+43,600
	OPERATIONAL SYSTEMS DEVELOPMENT			
151	MLRS PRODUCT IMPROVEMENT PROGRAM	59,749	59,749	.....
153	AEROSTAT JOINT PROJECT OFFICE	356,434	356,434	.....
154	ADV FIELD ARTILLERY TACTICAL DATA SYSTEM	15,860	15,860	.....
155	COMBAT VEHICLE IMPROVEMENT PROGRAMS	141,114	141,114	.....
156	MANEUVER CONTROL SYSTEM	37,151	37,151	.....
157	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS	452,787	456,787	+4,000
158	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	332	332	.....
159	DIGITIZATION	9,534	9,534	.....
160	FORCE XXI BATTLE COMMAND, BRIGADE AND BELOW (FBCB2)	38,418	18,418	−20,000
162	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	37,871	37,871	.....
163	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS	1,527	5,227	+3,700
164	TRACTOR CARD	19,601	19,601	.....
165	JOINT TACTICAL COMMUNICATIONS PROGRAM (TRI–TAC)	920	920	.....
166	JOINT TACTICAL GROUND SYSTEM	1,957	1,957	.....
167	JOINT HIGH SPEED VESSEL (JHSV)	2,936	2,936	.....
170	INFORMATION SYSTEMS SECURITY PROGRAM	38,090	40,090	+2,000
171	GLOBAL COMBAT SUPPORT SYSTEM	104,934	104,934	.....
172	SATCOM GROUND ENVIRONMENT (SPACE)	106,327	59,099	−47,228
173	WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM	12,922	12,922	.....
174	JOINT COMMAND AND CONTROL PROGRAM (JC2)	15,203	15,203	.....
175	TACTICAL UNMANNED AERIAL VEHICLES	50,976	105,276	+54,300
177	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	.....	4,500	+4,500
178	AVIONICS COMPONENT IMPROVEMENT PROGRAM	1,023	1,023	.....
179	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	69,084	78,284	+9,200
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	1,574,750	1,585,222	+10,472
999	CLASSIFIED PROGRAMS	105,047	105,047	.....

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY	10,524,085	11,267,683	+743,598

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
2	Defense Research Sciences	176,959	184,459	+7,500
	Unsustained growth			−7,000
	Center for Advanced Energy Storage Research and Technology			+2,000
	Fighting Drug Resistant Infections			+2,500
	Flexible Electronics Research Initiative			+2,000
	Global Military Operating Environment			+2,000
	Organic Semiconductor Modeling and Simulation			+1,500
	Toxic Particles			+1,000
	Urban Patterns and Signatures to Support Counter-Insurgency Operations			+1,500
	Vision Integrating Strategies in Ophthalmology and Neurochemistry (VISION)			+2,000
3	University Research Initiatives	76,980	85,980	+9,000
	Burn and Shock Trauma Institute			+2,000
	Columbia College Chicago Construct Program			+1,000
	Hi-Tech Eyes for the Battlefield			+2,000
	Low Temperature Vehicle Performance Research			+2,000
	Open Source Intelligence for Force Protection and Intelligence			+2,000
4	University and Industry Research Centers	105,622	121,822	+16,200
	Unexecutable growth			−5,000
	Academic Support and Research Compliance for Knowledge Gathering			+2,000
	Center for Education in Nanoscience and Nanotechnology			+800
	Center for Information Assurance			+1,000
	Large Area Monitoring Network (LAMNET)			+6,000
	MEMS Antenna for Wireless Comms			+3,000
	NanoSensor StageGate Accelerator			+1,000
	Nanoscale Biosensors			+2,500
	Nanotubes Optimized for Lightweight Exceptional Strength (NOLES) Composite Materials			+2,000
	Novel Methods for Detecting and Inhibiting Corrosion			+1,700
	Visualization for Training and Simulation in Urban Terrains			+1,200
5	Materials Technology	26,985	70,985	+44,000
	Affordable Light-Weight metal matrix composite armor			+2,000
	Ballistic Armor Research			+4,000
	Capability Expansion of Spinel Transparent Armor Manufacturing			+6,400
	Composite Applied Research and Technology for FCS and Tactical Vehicle Survivability			+3,000
	Control System for Laser Powder Deposition			+500
	Development of Improved Lighter-Weight IED/EFP Armor Solutions			+1,000
	Improvised Explosive Device Simulation for Different Soils			+500
	Lattice Block Structures for AM2 Matting Replacement			+2,500

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Lightweight Anti-Ballistic Protection for Aircraft			+500
	Lightweight Transparent Armor for Force Protection			+2,500
	Modeling and Testing of Next Generation Body Armor			+2,500
	Moldable Fabric Armor			+1,500
	Multi-Utility Materials for Army Future Combat Systems			+8,000
	Nanomanufacturing of Multifunctional Sensors			+1,000
	Next Generation Protective Seat			+2,000
	Novel Extremity Body Armor			+600
	Renewable Jet Fuel from Lignocellulosic Feedstocks			+4,000
	Ultrasonic Impact Technology			+1,500
6	Sensors and Electronic Survivability	46,147	61,147	+15,000
	Advanced Magnetic Nanosensors for Defense Applications			+6,000
	Advanced UV Light Diode Sensor Development			+2,000
	Hydrogen Batteries for the Warfighter			+2,000
	Lookout Small Scale Radar Program			+2,000
	Nanophotonic Devices			+2,000
	Terahertz Spectrometer			+1,000
10	Missile Technology	48,174	52,174	+4,000
	MARIAH Hypersonic Wind Tunnel Development Program			+4,000
12	Advanced Concepts and Simulation	17,048	22,048	+5,000
	Advanced Live, Virtual, and Constructive Training Systems			+2,000
	Boston University Photonics Center			+3,000
13	Combat Vehicle and Automotive Technology	55,234	70,234	+15,000
	Advanced Manufacture of Lightweight Components			+3,000
	Center for Advanced Vehicle Technology and Fuel Development			+1,000
	Condition Based Maintenance and Mission Assuredness for Ground Vehicles			+3,000
	Ground Vehicle Reliability Modeling for Condition-Based Maintenance			+1,000
	HEV Battery System for Future Combat System			+2,000
	Integrated Vehicle Health Monitoring System			+2,000
	Military Fuels Research Program			+2,000
	Remote Unmanned Vehicle Checkpoint System			+1,000
14	Ballistics Technology	71,550	78,050	+6,500
	Laser Based Explosives, Chem/Bio Standoff and Point Detector			+4,000
	Next Generation Lightweight Drive System for Army Weapons Systems			+2,000
	Small Unmanned Aerial Vehicles and Sensors			+500
15	Chemical, Smoke and Equipment Defeating Technology	2,295	5,295	+3,000
	Enhanced Vapor Aeration Capabilities (EVAC)			+3,000
17	Weapons and Munitions Technology	30,576	54,076	+23,500
	Accelerated Materials Development and Characterization for Army Cannon Systems			+2,500
	Army Center of Excellence in Acoustics			+5,500
	Center for Borane Technology			+2,000
	Electro Conversion of Energetic Materials			+4,500
	Exploding Foil Initiators (EFI) with Nanomaterial-Based Circuits			+2,000
	Heavy Metals Total Life-Cycle Initiative			+1,000
	High Power Electrolytic Super-Capacitors Based On Conducting Polymers			+1,000
	Kinetic Energy Enhanced Lethality and Protection Materials			+2,000
	Munitions Evaluation for Composite Electric Armor			+1,500
	Ripsaw Unmanned Ground Vehicle (UGV) Weaponization			+1,500
18	Electronics and Electronic Devices	45,278	72,778	+27,500

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	2.0kW Stirling Tactical Cogeneration System (STaCS)			+2,000
	Advanced Soldier Portable Power Systems Technologies			+2,000
	Ceramic Membrane Battery Systems			+1,500
	Cogeneration for Enhanced Cooling and Heating of Advanced Tactical Vehicles			+3,000
	High-Frequency, High-Power Electronic and Optoelectronic Devices on Aluminum Nitride			+2,500
	Large Format Li-Ion Battery			+1,000
	Maryland Proof of Concept Alliance for Defense Technologies			+3,500
	Military Jet-Fueled Fuel Cell Generator			+1,000
	ONAMI Miniature Tactical Energy Systems Development			+3,000
	Renewable Energy for Military Applications			+2,000
	Self-Powered, Lightweight, Flexible Display Unit on a Plastic Substrate			+2,000
	Soldier Portable Power Pack for the 21st Century Warrior			+1,500
	Stabilized Enzyme Biofuel Cell (SEBC) for Unmanned Ground Sensors			+1,000
	Thermoelectric Power Generation Materials and Devices			+1,500
19	Night Vision Technology	25,647	31,247	+5,600
	Small Business Infrared Material Manufacturing—Silicon Alternative Substrates			+5,600
20	Countermine Systems	21,815	25,815	+4,000
	Standoff Improvised Explosive Device Detection Program			+3,000
	UXO Detection and Classification in Volcanic Soil Using an Integrated Fully Polametic GPR and Chemical Sensor Technology			+1,000
22	Environmental Quality Technology	16,064	19,064	+3,000
	MLRS Disposal System			+3,000
23	Command, Control, Communications Technology	24,014	25,014	+1,000
	Portable Non-Magnetic Compass/Positioning/Timing Device			+1,000
24	Computer and Software Technology	5,495	6,495	+1,000
	Lightweight Soldier Sensor Computing			+1,000
25	Military Engineering Technology	52,066	57,066	+5,000
	Airborne Threats			+1,500
	Cellulose Nanocomposites Panels For Enhanced Blast and Ballistic Protection			+1,500
	Geosciences/ Atmospheric Research (CG/AR)			+2,000
27	Warfighter Technology	21,948	25,948	+4,000
	Biosecurity for Soldier Food Safety			+2,000
	Lightweight 1–2 Person Low-Pressure Inflatable Tents			+1,000
	Modular Ballistic System for Force Protection			+1,000
28	Medical Technology	75,395	114,995	+39,600
	Advanced Functional Nanomaterials for Biological Processes			+2,000
	Carbon Nanotube Production			+1,500
	Center for Aerospace Human Factors Research and Innovation			+1,000
	Center for Injury Biomechanics			+1,000
	Complementary & Alternative Medicine Research for Military Operations & Healthcare			+5,000
	Development of Drugs for Malaria and Leishmaniasis in U.S. Military and Civilian Personnel			+3,400
	Engineering Replacement Tissues			+2,000
	Expansion and Development Upper and Lower Bionic Limbs			+2,500

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Facilitating Use of Advanced Prosthetic Limb Technology			+2,000
	Freeze Dried Blood Technology Clinical Research			+2,000
	Military Photomedicine Program			+3,500
	Mosquito Born Disease Prevention: Malaria & Dengue Fever			+1,000
	Optical Neural Techniques for Combat/Post-Trauma Healthcare			+2,000
	Peer Reviewed Orthopaedic Extremity Trauma Research			+5,000
	Respiratory Biodefense Initiative			+2,000
	Soldier Survival in Extreme Environments			+3,700
29	Warfighter Advanced Technology	46,793	52,293	+5,500
	J50 unsustained growth			−3,000
	High Pressure Processing Prototype for Meals-Ready-to-Eat (MRE)			+2,000
	Laser Studied and Enhanced Reactive Materials: Self-Decontaminating Polymers for Chemical-Biological Defense			+2,000
	Novel Flame Retardant Nylon Fabrics			+1,500
	Technology and Human Systems Integration			+3,000
30	Medical Advanced Technology	59,043	160,243	+101,200
	101st Airborne Injury Prevention & Performance Enhancement Research Initiative			+2,500
	Advanced Lower Limb Prostheses for Battlefield Amputees			+2,000
	Advanced Regenerative Medicine Therapies for Combat Injuries			+3,000
	Advanced Surface Technologies for Prosthetic Development			+2,000
	Battlefield Tracheal Intubation			+4,200
	Biodefense Tech Transfer Initiative (only for militarily relevant technology)			+1,500
	Bioelectrics Research for Casualty Care and Management			+2,000
	Biosensor, Communicator and Controller System			+5,000
	Blood, Medical & Food Safety Via Eco-Friendly Wireless Sensing			+1,000
	Blood Safety and Decontamination Technology			+2,000
	Center for Integration of Medicine and Innovative Technology (CIMIT)			+3,000
	Combat Wound Initiative at WRAMC			+2,000
	Control of Inflammation and Tissue Repair			+4,000
	Fibrin Adhesive Stat (FAST) Dressing			+3,000
	Gulf War Veterans' Illness Research Program (GWVIRP)			+10,000
	Health Sciences Regenerative Medicine Center			+3,000
	Hibernation Genomics			+2,000
	Integrated Patient Quality Program			+2,000
	International Heart Institute/U.S. Army Vascular Graft Research Project			+1,000
	Limb Tissue Regeneration after Battlefield Injuries using Bone Marrow Stem Cells			+3,000
	Medical Modeling and Simulation Through Synthetic Digital Genes			+1,000
	Military Burn Trauma Research Program			+4,000
	Military Nutrition Research: Personnel Readiness and Warfighter Performance			+2,000
	Modular Stethoscope For Harsh Environments			+1,500
	National Biodefense Training			+5,000
	Novel Approaches to Reduce the Severity of Battlefield Combined Tissue Injury			+2,000
	Online Medical Training for Military Personnel			+3,500

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Portable Autonomous Fluid-less Near-infrared Non-invasive Alcohol Testing Devices			+500
	Rugged Electronic Textile Vital Signs Monitoring			+3,000
	Safe Airway Access in Combat			+2,500
	Smart Prosthetic Hand Technology			+2,000
	Solutions for Infection Control in Military Hospitals			+2,500
	Staph Vaccine			+4,000
	Trauma Care, Research and Training			+3,000
	Weight Measurements and Standards for Military Personnel			+2,500
	Wireless Electronic Patient Records, WPIC—Personal Information Carrier			+4,000
31	Aviation Advanced Technology	57,277	89,177	+31,900
	Army Aviation Weapon Technology			+1,000
	Enhanced Rapid Tactical Integration and Fielding Systems (ERTIFS)			+2,000
	Heavy Fuel Engines for Unmanned Systems			+2,000
	Helicopter Vulnerability Reduction			+1,500
	Mission Execution Technology Implementation (Phase II)			+4,000
	Next Generation Ice Protection Technologies			+2,000
	Parts on Demand for CONUS Operations			+5,000
	QuickMEDS			+1,000
	Technologies for Military Equipment Replenishment			+1,400
	UAS Sense and Avoid Concept Evaluation for Air-space Integration			+3,000
	Universal Control—FADEC			+4,000
	Vectored Thrust Ducted Propeller Compound Helicopter			+5,000
32	Weapons and Munitions Advanced Technology	73,697	91,597	+17,900
	Advanced Fuzing Technologies			+4,500
	Development of Truck Deployed Explosive Containment Vessel			+2,000
	Hybrid Luminescent Ammunition			+1,000
	Lightweight Cannon Recoil Reduction			+2,400
	Nanotechnology Manufacturing Center			+2,000
	Novel Guidance Kit—Phase 2 (NGK2) for M864 Projectile			+4,000
	Raman Chemical ID System			+2,000
33	Combat Vehicle and Automotive Advanced Technology	107,992	213,792	+105,800
	Advanced Battery Technology (3D2 ABT)			+5,000
	Advanced Corrosion Protection for Military Vehicles			+3,000
	Advanced Digital Hydraulic Hybrid Drive System			+2,000
	Advanced Hybrid Electric Vehicle Technologies for Fuel Efficient Blast Protected Vehicles			+1,500
	Advanced Lithium Iron Phosphate Battery System			+2,000
	Advanced Thermal Management System			+2,000
	Alternative Energy Research			+25,000
	Antiballistic Windshield Armor			+3,000
	Applied Power Management Control and Integration			+1,000
	Combat Vehicle Electrical Power—21st Century (CVEP–21)			+1,000
	Crosshairs Hostile Fire Indicating System			+2,000
	Development of Logistical Fuel Processors			+2,800
	Diminishing Manufacturing Sources and Material Shortages (DMSMS) Case Resolution Program			+2,000
	Dynamometer Facility Upgrade			+1,000
	Enhanced Military Vehicle Maintenance System Demonstration Project with Anniston Army Depot and Auburn University			+2,000
	FCV Advanced Suspension System			+2,000
	Ground Vehicle Integration Technologies			+3,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Ground-forces Readiness Enabler for Advanced Tactical Vehicles (GREAT–V)			+1,000
	Hull Humvee Protection Program			+2,000
	Hybrid Electric (Heavy Truck) Vehicle			+3,000
	Implementation of an Advanced Tactical Wheeled Armored Vehicle System			+3,000
	Light Tactical Vehicle Ambulance Shelter			+3,000
	Light Weight Structural Composite Armor for Blast and Ballistic Protection			+2,000
	Lightweight Partial Hybrid Electric Military Transport Vehicle			+2,000
	Magneto-Rheological Suspensions for Tactical Wheeled Vehicles			+1,500
	Michigan Technological University's Project for Diverse Sensing for Synergistic Force Protection in Urban Threat Environments			+1,000
	Next Generation Non-Tactical Vehicle Propulsion			+2,000
	Novel Onboard Hydrogen Storage System Development			+1,000
	Payload and Advanced Development for Next Generation Robot Platform			+2,000
	Power and Energy Research Equipment Upgrades			+6,000
	Robotics Vehicle Secure Communications			+2,000
	Smart Plug-In Hybrid Vehicle Electrification Program			+2,000
	Unmanned Ground Vehicle Initiative (UGVI)			+12,000
36	Electronic Warfare Advanced Technology	50,961	59,461	+8,500
	Advanced Wireless Technologies			+1,500
	Networked Dynamic Spectrum Access Investigation Enhanced MBITR			+3,000
	Portable Emergency Broadband System			+4,000
38	Next Generation Training & Simulation Systems	18,881	21,381	+2,500
	Joint Fires and Effects Training System (JFETS)			+2,500
41	Explosives Demilitarization Technology	10,564	13,564	+3,000
	Cryofracture/Plasma Arc Demilitarization			+1,000
	Press-Loaded Explosive Projectile Washout Line			+1,000
	Unserviceable Ammunition Demilitarization via Chemical Dissolution			+1,000
46	Missile and Rocket Advanced Technology	63,998	71,998	+8,000
	Advanced Commercial Technology Insertion for Aviation and Missile Research, Development, and Engineering			+3,000
	Army Responsive Tactical Space System Exerciser (ARTSSE)			+2,000
	High Fidelity Virtual Simulation and Analysis			+2,000
	Long Range Hypersonic Interceptor			+1,000
48	Landmine Warfare and Barrier Advanced Technology	30,797	36,697	+5,900
	Advanced Demining Technology			+5,900
50	Night Vision Advanced Technology	39,916	57,666	+17,750
	Enhanced Digital Electronic Night-Vision (EDEN)			+2,000
	InfraRed Goggle Upgrade System (IRGUS)			+1,000
	Mini-LRAS3 Scout Surveillance System			+2,000
	Passive IR Sensor for Persistent Wide Area Surveillance			+2,500
	Short Range Electro Optic (SREO)			+2,000
	Smart Data Project: Real-Time Geospatial Video Sensor Intelligence			+1,000
	Smart Sensor Supercomputing Center			+7,250
52	Military Engineering Advanced Technology	7,654	11,654	+4,000
	Advanced Tactical Fuels for the U.S. Military			+4,000
53	Advanced Tactical Computer Science and Sensor Technology	48,236	54,236	+6,000
	HYPERSAR			+3,000
	Radar Tag Emitters			+3,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
55	Army Missile Defense Systems Integration (Non Space)	14,005	84,805	+70,800
	Adaptive Lightweight Materials for Missile Defense			+2,000
	Advanced Cavitation Power Technology			+5,500
	Advanced Electronics Rosebud Integration			+4,000
	Advanced Environmental Control Systems			+6,000
	Advanced Fuel Cell Research			+3,000
	Advanced Strap Down Seeker			+5,000
	AHW BMC2 HWIL Technology Demonstration			+2,000
	Alternative Power Technology for Missile Defense			+4,000
	Biological Air Filtering System Technology (BAFST)			+1,000
	Compact Pulsed Power for Defense Applications			+3,000
	Detection Algorithms and Software for Force Protection			+2,000
	Detection, Mitigation and Neutralization of High Explosive, Remotely Detonated Devices			+3,500
	Dielectrically Enhanced Sensor Systems (DESS)			+1,500
	Future TOC Hardware/Software Integration			+2,500
	Heat Dissipation for Electronic Systems and Enclosures			+2,500
	High Speed Digital Imaging			+4,500
	High Temperature Polymers for Missile System Applications			+3,200
	Orion High Altitude Long Loiter (HALL) UAV			+5,000
	Radiation Hardening Initiative (RHI)			+3,000
	Standoff Hazardous Agent Detection and Evaluation System (SHADES)			+3,500
	Vertical Integration for Missile Defense Surveillance Data			+4,100
56	Army Missile Defense Systems Integration (Space)	19,986	43,486	+23,500
	Army Responsive Tactical Space (ARTS)			+3,000
	High Altitude Integration Testbed (HIT)			+3,000
	High Altitude Shuttle System for Battlespace Coverage			+1,000
	Low Cost Interceptor			+3,000
	Missile Attack Early Warning System (MAEWS)			+2,500
	Multipurpose Nanosat Missile System (MNMS) formerly Integrated Nanosat Delivery System (INDS)			+6,000
	Nanocomposite Enhanced Radar and Aerospace Materials (NERAM)			+1,500
	Positron Sensors and Energy Applications			+3,000
	Small Agile Satellites			+500
57	Air and Missile Defense Systems Engineering	116,410	119,910	+3,500
	Air, Space and Missile Defense Architecture Analysis Program (A3P)			+1,500
	Border Security and Defense Systems Research			+2,000
59	Landmine Warfare and Barrier—Adv Dev	29,234	14,234	−15,000
	AMDS program delays			−15,000
61	Tank and Medium Caliber Ammunition	45,866	43,442	−2,424
	Follow-on Cartridge Integration Test forward funding			−7,924
	High Explosive Air Burst (HEAB) 25mm Ammunition			+5,500
62	Advanced Tank Armament System (ATAS)	108,012	70,012	−38,000
	S-PIP change to acquisition strategy			−40,000
	Stryker Common Active Protection System (APS) Radar			+2,000
63	Soldier Support and Survivability	30,716	19,716	−11,000
	REF—forward funding			−11,000
72	Medical Systems—Adv Dev	26,308	30,308	+4,000
	Garment-Based Physiological Monitoring Systems			+2,000
	Wireless Medical Monitoring System (WiMed)			+2,000
73	Soldier Systems—Advanced Development	36,558	37,558	+1,000
	Individual Airburst Weapon System			+1,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
78	Electronic Warfare Development	32,325	37,325	+5,000
	Hostile Fire Indicator			+5,000
82	Infantry Support Weapons	42,414	57,714	+15,300
	Composite Bottles for Survival Egress Air			+2,500
	Lightweight Caliber .50 Machine Gun (LW50MG)			+10,000
	Next-generation Combat Helmet Development			+2,800
89	Non-Line of Sight Launch System	200,099	208,699	+8,600
	FCS Restructure			+8,600
91	FCS Manned Grd Vehicles & Common Grd Vehicle	774,257	785,257	+11,000
	FCS Restructure			+11,000
92	FCS Systems of Systems Engr & Program Mgmt	1,413,945	1,419,445	+5,500
	FCS Restructure			+5,500
93	FCS Reconnaissance (UAV) Platforms	34,379	45,379	+11,000
	FCS Restructure			+11,000
95	FCS Unattended Ground Sensors	12,967	17,067	+4,100
	FCS Restructure			+4,100
96	FCS Sustainment & Training R&D	539,145	558,145	+19,000
	FCS Restructure			+19,000
97	Modular Brigade Enhancement	64,900	103,400	+38,500
	FCS Restructure			+38,500
100	Non-System Training Devices—SDD	35,424	38,424	+3,000
	Center of Excellence for Military Operations in Urban Terrain and Cultural Training			+3,000
103	Automatic Test Equipment Development	23,582	18,582	−5,000
	NGATS excessive growth			−5,000
107	Weapons and Munitions—SDD	52,140	54,640	+2,500
	Extended Range Modular Sniper Rifle System			+2,500
108	Logistics and Engineer Equipment—SDD	37,718	38,718	+1,000
	CAMEL—Water transport system			+1,000
110	Medical Materiel/Medical Biological Defense Equipment—SDD	34,971	37,971	+3,000
	Plasma Sterilizer			+3,000
115	Army Tactical Command & Control Hardware & Software	67,535	64,535	−3,000
	Common Software growth			−3,000
117	General Fund Enterprise Business System (GFEBS)	60,308	50,308	−10,000
	Unjustified growth			−10,000
119	Soldier Systems—Warrior Dem/Val	15,790	17,790	+2,000
	Optimized M–25 Soldier Fuel Cell System			+2,000
123	Information Technology Development	73,740	58,040	−15,700
	FBS unjustified growth			−17,700
	Electric Commodity Project			+1,000
	Health Information Technology Demonstration Project at Madigan Army Medical Center and Puget Sound VA Medical Center			+1,000
130	Rand Arroyo Center	16,339	20,839	+4,500
	Arroyo Center			+4,500
132	Concepts Experimentation Program	28,271	34,471	+6,200
	Arabic Language Training Program			+1,200
	Automated Communications Support System for Warfighters, Intelligence Community, Linguists, and Analysts			+2,000
	Moving Vehicle BAT Face Recognition Surveillance System			+1,500
	Technology for Rapid Foreign Language Acquisitions for Specialized Military and Intelligence Purposes			+1,500
134	Army Test Ranges and Facilities	342,079	347,579	+5,500
	Cold Regions Test Center Distributed Test Coordination Cell			+1,500
	Test Support Infrastructure Darning and Trafficability Study			+4,000
135	Army Technical Test Instrumentation and Targets	74,624	80,524	+5,900
	Dugway Lidar and Modeling Improvements			+3,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Enhanced Robotic Manipulators for Defense Applications			+900
	Joint Urban Environment Test Capability			+2,000
137	DOD High Energy Laser Test Facility	2,835	7,835	+5,000
	DOD High Energy Laser Test Facility			+5,000
146	Technical Information Activities	42,905	44,905	+2,000
	Knowledge, Innovation and Technology Sharing Program			+2,000
147	Munitions Standardization, Effectiveness and Safety	20,857	35,357	+14,500
	Advanced Cluster Energetics			+4,000
	Defense Metals Technology Center			+1,000
	Depleted Uranium Sensing and Treatment for Removal (DUSTR) Program			+5,000
	Medium Caliber Metal Parts Upgrade			+1,500
	Titanium Extraction, Mining and Process Engineering Research (TEMPER)			+3,000
157	Aircraft Modifications/Product Improvement Programs	452,787	456,787	+4,000
	CH–47 Integrated Vehicle Health Management System (IVHMS)			+4,000
160	Force XXI Battle Command, Brigade and Below (FBCB2)	38,418	18,418	−20,000
	JBC–P lack of acquisition strategy			−20,000
163	Other Missile Product Improvement Programs	1,527	5,227	+3,700
	Close Combat Missile Modernization (Javelin)			+3,700
170	Information Systems Security Program	38,090	40,090	+2,000
	Biometrics DNA Applications			+2,000
172	SATCOM Ground Environment (SPACE)	106,327	59,099	−47,228
	Excess to requirement			−47,228
175	Tactical Unmanned Aerial Vehicles	50,976	105,276	+54,300
	Sky Warrior—Transfer from OP&A line 61			+49,300
	Shadow Tactical Unmanned Aerial System Flight in the National Airspace			+5,000
177	Distributed Common Ground/Surface Systems		4,500	+4,500
	Effect Based Approach to Operations			+2,000
	Heuristic Internet Protocol Packet Inspection Engine (HIPPIE)			+2,500
179	End Item Industrial Preparedness Activities	69,084	78,284	+9,200
	Advanced Modeling Technology for Large Structure Titanium Machining Initiative			+1,000
	Legacy Aerospace Gear Drive Re-Engineering Initiative			+2,000
	Manufacturing Metrology for Weapon System Production and Sustainment (M2WSPS)			+2,200
	Near-Net Shaped Direct-Sintered Silicon Carbide Torso Plates			+2,000
	Superior Weapons Systems Through Castings			+2,000

Warfighter Information Network—Tactical [WIN–T].—The Committee remains concerned with the lack of definitized requirements and program costs for Increment 3 and understands that the revised program acquisition baseline is not expected to be completed until almost 2 years after the Nunn-McCurdy breach. Therefore, the Committee directs the Comptroller General to continue his review of the WIN–T program under the guidelines set forth in Senate Report 110–155 and to report back to the Committee quarterly.

Tungsten/Cobalt Alloy Carcinogen Study.—The Committee is concerned with the potential carcinogenic nature of tungsten/cobalt alloys and encourages the Army, in conjunction with the research community, to undertake a study to determine if tungsten/cobalt alloys are a probable human carcinogen in either the manufacturing or employment of ammunition and other defense equipment.

Rock Island Arsenal.—The Committee understands that Rock Island Arsenal is undertaking efforts to demonstrate small scale, clean energy conversion technology to provide an uninterruptible source of energy for potential use at DOD facilities. The Committee encourages the Army to determine what environmental, economic, and safety benefits might be achieved by this energy initiative.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY

Appropriations, 2008	$17,918,522,000
Budget estimate, 2009	19,337,238,000
Committee recommendation	19,452,403,000

The Committee recommends an appropriation of $19,452,403,000. This is $115,165,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY			
	BASIC RESEARCH			
1	UNIVERSITY RESEARCH INITIATIVES	103,707	109,707	+6,000
2	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	17,298	17,298	
3	DEFENSE RESEARCH SCIENCES	407,271	417,771	+10,500
	TOTAL, BASIC RESEARCH	528,276	544,776	+16,500
	APPLIED RESEARCH			
4	POWER PROJECTION APPLIED RESEARCH	79,913	97,413	+17,500
5	FORCE PROTECTION APPLIED RESEARCH	131,310	188,310	+57,000
6	MARINE CORPS LANDING FORCE TECHNOLOGY	36,480	42,980	+6,500
7	MATERIALS, ELECTRONICS AND COMPUTER TECHNOLOGY		8,500	+8,500
8	COMMON PICTURE APPLIED RESEARCH	77,054	77,054	
9	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	93,862	111,862	+18,000
10	RF SYSTEMS APPLIED RESEARCH	54,830	58,330	+3,500
11	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	47,278	50,278	+3,000
12	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH	6,084	6,084	
13	UNDERSEA WARFARE APPLIED RESEARCH	58,658	63,658	+5,000
14	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	47,869	53,869	+6,000
	TOTAL, APPLIED RESEARCH	633,338	758,338	+125,000
	ADVANCED TECHNOLOGY DEVELOPMENT			
15	POWER PROJECTION ADVANCED TECHNOLOGY	60,360	83,060	+22,700
16	FORCE PROTECTION ADVANCED TECHNOLOGY	55,099	79,999	+24,900
17	COMMON PICTURE ADVANCED TECHNOLOGY	104,578	104,578	
18	WARFIGHTER SUSTAINMENT ADVANCED TECHNOLOGY	112,520	125,020	+12,500
19	RF SYSTEMS ADVANCED TECHNOLOGY	37,058	52,058	+15,000
20	MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	100,787	93,787	−7,000
21	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT	11,020	13,020	+2,000
22	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	12,129	23,229	+11,100
23	UNDERSEA WARFARE ADVANCED TECHNOLOGY	81,490	84,490	+3,000
24	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS	70,216	67,216	−3,000
25	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY	33,426	33,426	
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	678,683	759,883	+81,200
	DEMONSTRATION & VALIDATION			
26	AIR/OCEAN TACTICAL APPLICATIONS	66,133	68,133	+2,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
27	AVIATION SURVIVABILITY	5,917	11,417	+5,500
28	DEPLOYABLE JOINT COMMAND AND CONTROL	5,905	5,905	.....
29	ASW SYSTEMS DEVELOPMENT	28,799	31,799	+3,000
30	TACTICAL AIRBORNE RECONNAISSANCE	4,298	4,298	.....
31	ADVANCED COMBAT SYSTEMS TECHNOLOGY	4,367	4,367	.....
32	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	119,164	119,164	.....
33	SURFACE SHIP TORPEDO DEFENSE	49,171	50,371	+1,200
34	CARRIER SYSTEMS DEVELOPMENT	120,511	164,511	+44,000
35	SHIPBOARD SYSTEM COMPONENT DEVELOPMENT	4,003	20,103	+16,100
36	PILOT FISH	86,017	86,017	.....
37	RETRACT LARCH	93,078	93,078	.....
38	RETRACT JUNIPER	159,175	159,175	.....
39	RADIOLOGICAL CONTROL	1,094	1,094	.....
40	SURFACE ASW	29,574	31,374	+1,800
42	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	141,720	150,220	+8,500
43	SUBMARINE TACTICAL WARFARE SYSTEMS	10,212	12,212	+2,000
44	SHIP CONCEPT ADVANCED DESIGN	31,111	35,111	+4,000
45	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	14,627	26,627	+12,000
46	ADVANCED NUCLEAR POWER SYSTEMS	158,270	158,270	.....
47	ADVANCED SURFACE MACHINERY SYSTEMS	.....	2,000	+2,000
48	CHALK EAGLE	352,858	352,858	.....
49	LITTORAL COMBAT SHIP (LCS)	371,008	371,008	.....
50	COMBAT SYSTEM INTEGRATION	54,401	64,401	+10,000
51	CONVENTIONAL MUNITIONS	8,124	8,124	.....
52	MARINE CORPS ASSAULT VEHICLES	316,052	281,052	−35,000
54	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	59,049	63,549	+4,500
55	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	115,086	115,086	.....
56	COOPERATIVE ENGAGEMENT	38,316	38,316	.....
57	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	7,737	7,737	.....
58	ENVIRONMENTAL PROTECTION	19,632	19,632	.....
59	NAVY ENERGY PROGRAM	5,611	10,611	+5,000
60	FACILITIES IMPROVEMENT	4,086	8,086	+4,000
61	CHALK CORAL	117,543	117,543	.....
62	NAVY LOGISTIC PRODUCTIVITY	2,846	15,846	+13,000
63	RETRACT MAPLE	138,091	138,091	.....
64	LINK PLUMERIA	60,444	60,444	.....
65	RETRACT ELM	139,139	139,139	.....
66	SHIP SELF DEFENSE	11,001	11,001	.....
67	LINK EVERGREEN	75,995	75,995	.....
68	SPECIAL PROCESSES	60,678	60,678	.....
69	NATO RESEARCH AND DEVELOPMENT	10,129	10,129	.....
70	LAND ATTACK TECHNOLOGY	40,028	10,028	−30,000
71	NONLETHAL WEAPONS	46,902	49,902	+3,000
72	JOINT PRECISION APPROACH AND LANDING SYSTEMS	99,929	99,929	.....
73	SINGLE INTEGRATED AIR PICTURE (SIAP) SYSTEM ENGINEER	41,807	41,807	.....
75	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS	.....	4,200	+4,200
76	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES	63,244	63,244	.....
79	SPACE & ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINE	47,518	47,518	.....
	TOTAL, DEMONSTRATION & VALIDATION	3,440,400	3,521,200	+80,800
	ENGINEERING & MANUFACTURING DEVELOPMENT			
80	OTHER HELO DEVELOPMENT	58,210	58,210	.....
81	AV–8B AIRCRAFT—ENG DEV	29,924	29,924	.....
82	STANDARDS DEVELOPMENT	71,920	64,220	−7,700
83	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT	70,329	70,329	.....
84	AIR/OCEAN EQUIPMENT ENGINEERING	5,750	5,750	.....
85	P–3 MODERNIZATION PROGRAM	3,589	3,589	.....
86	WARFARE SUPPORT SYSTEM	8,611	11,111	+2,500
87	TACTICAL COMMAND SYSTEM	128,742	123,742	−5,000
88	ADVANCED HAWKEYE	484,159	484,159	.....
89	H–1 UPGRADES	3,795	3,795	.....
90	ACOUSTIC SEARCH SENSORS	45,790	45,790	.....

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
91	V-22A	68,763	68,763	.....
92	AIR CREW SYSTEMS DEVELOPMENT	16,192	16,192	.....
93	EA-18	128,906	128,906	.....
94	ELECTRONIC WARFARE DEVELOPMENT	106,932	106,932	.....
95	VHXX EXECUTIVE HELO DEVELOPMENT	1,047,835	735,000	−312,835
96	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY)	834,650	846,150	+11,500
97	SC-21 TOTAL SHIP SYSTEM ENGINEERING	678,936	593,236	−85,700
98	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	188,500	196,100	+7,600
99	LPD-17 CLASS SYSTEMS INTEGRATION	985	985	.....
100	SMALL DIAMETER BOMB (SDB)	19,574	19,574	.....
101	STANDARD MISSILE IMPROVEMENTS	234,653	237,653	+3,000
102	AIRBORNE MCM	39,882	39,882	.....
103	NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYSTEMS ENG	10,533	10,533	.....
104	ADVANCED ABOVE WATER SENSORS	153,558	119,958	−33,600
105	SSN-688 AND TRIDENT MODERNIZATION	143,453	143,453	.....
106	AIR CONTROL	8,191	8,191	.....
107	SHIPBOARD AVIATION SYSTEMS	42,843	45,643	+2,800
108	COMBAT INFORMATION CENTER CONVERSION	14,792	17,792	+3,000
109	NEW DESIGN SSN	167,357	169,157	+1,800
111	SUBMARINE TACTICAL WARFARE SYSTEM	58,592	63,592	+5,000
112	SHIP CONTRACT DESIGN/ LIVE FIRE T&E	72,932	80,832	+7,900
113	MINE DEVELOPMENT	2,008	2,008	.....
115	LIGHTWEIGHT TORPEDO DEVELOPMENT	50,732	50,732	.....
116	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	10,858	10,858	.....
117	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS	5,263	5,263	.....
118	JOINT STANDOFF WEAPON SYSTEMS	22,510	22,510	.....
119	SHIP SELF DEFENSE (DETECT & CONTROL)	35,999	43,499	+7,500
120	SHIP SELF DEFENSE (ENGAGE: HARD KILL)	36,238	46,938	+10,700
121	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	57,574	59,574	+2,000
122	INTELLIGENCE ENGINEERING	13,750	13,750	.....
123	MEDICAL DEVELOPMENT	7,833	16,833	+9,000
124	NAVIGATION/ID SYSTEM	49,007	49,007	.....
126	JOINT STRIKE FIGHTER (JSF)	1,532,748	1,780,248	+247,500
127	INFORMATION TECHNOLOGY DEVELOPMENT	30,238	30,238	.....
128	INFORMATION TECHNOLOGY DEVELOPMENT	72,497	92,997	+20,500
130	CH-53K	570,484	570,484	.....
131	C/KC-130 AVIONICS MODERNIZATION PROGRAM (AMP)	24,407	24,407	.....
132	JOINT AIR-TO-GROUND MISSILE (JAGM)	62,324	62,324	.....
133	MULTI-MISSION MARITIME AIRCRAFT (MMA)	1,132,026	1,132,026	.....
134	TACTICAL CRYPTOLOGIC SYSTEMS	16,678	16,678	.....
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	8,682,052	8,579,517	−102,535
	RDT&E MANAGEMENT SUPPORT			
135	THREAT SIMULATOR DEVELOPMENT	24,959	24,959	.....
136	TARGET SYSTEMS DEVELOPMENT	80,337	80,337	.....
137	MAJOR T&E INVESTMENT	42,391	48,391	+6,000
138	STUDIES AND ANALYSIS SUPPORT—NAVY	8,084	8,084	.....
139	CENTER FOR NAVAL ANALYSES	49,745	49,745	.....
141	SMALL BUSINESS INNOVATIVE RESEARCH	.....	500	+500
142	TECHNICAL INFORMATION SERVICES	713	13,713	+13,000
143	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	51,568	51,568	.....
144	STRATEGIC TECHNICAL SUPPORT	3,597	3,597	.....
145	RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT	69,913	69,913	.....
147	RDT&E SHIP AND AIRCRAFT SUPPORT	195,017	195,017	.....
148	TEST AND EVALUATION SUPPORT	356,254	346,254	−10,000
149	OPERATIONAL TEST AND EVALUATION CAPABILITY	12,195	12,195	.....
150	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT	2,708	2,708	.....
151	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT	25,358	25,358	.....
152	MARINE CORPS PROGRAM WIDE SUPPORT	24,687	24,687	.....
153	TACTICAL CRYPTOLOGIC ACTIVITIES	1,998	1,998	.....
154	SERVICE SUPPORT TO JFCOM, JNTC	5,148	5,148	.....

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, RDT&E MANAGEMENT SUPPORT	954,672	964,172	+9,500
	OPERATIONAL SYSTEMS DEVELOPMENT			
157	HARPOON MODIFICATIONS	68,214	68,214	
158	UNMANNED COMBAT AIR VEHICLE (UCAV) ADVANCED COMPONENT	275,823	275,823	
159	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	80,120	78,820	−1,300
160	SSBN SECURITY TECHNOLOGY PROGRAM	34,131	34,131	
161	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	7,384	7,384	
162	NAVY STRATEGIC COMMUNICATIONS	47,495	47,495	
163	RAPID TECHNOLOGY TRANSITION (RTT)	34,469	34,469	
164	F/A–18 SQUADRONS	71,232	71,232	
165	E–2 SQUADRONS	54,096	54,096	
166	FLEET TELECOMMUNICATIONS (TACTICAL)	26,696	26,696	
167	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	14,212	16,212	+2,000
168	INTEGRATED SURVEILLANCE SYSTEM	20,565	22,565	+2,000
169	AMPHIBIOUS TACTICAL SUPPORT UNITS	2,325	2,325	
170	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	28,017	28,017	
171	CRYPTOLOGIC DIRECT SUPPORT	1,441	1,441	
172	ELECTRONIC WARFARE (EW) READINESS SUPPORT	24,276	24,276	
173	HARM IMPROVEMENT	31,427	31,427	
174	TACTICAL DATA LINKS	4,247	4,247	
175	SURFACE ASW COMBAT SYSTEM INTEGRATION	21,720	21,720	
176	MK–48 ADCAP	15,879	15,879	
177	AVIATION IMPROVEMENTS	122,906	95,906	−27,000
178	NAVY SCIENCE ASSISTANCE PROGRAM	3,625	3,625	
179	OPERATIONAL NUCLEAR POWER SYSTEMS	71,576	71,576	
180	MARINE CORPS COMMUNICATIONS SYSTEMS	273,696	278,196	+4,500
181	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	136,080	115,380	−20,700
182	MARINE CORPS COMBAT SERVICES SUPPORT	9,646	9,646	
183	TACTICAL AIM MISSILES	6,679	6,679	
184	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	8,556	8,556	
185	JOINT HIGH SPEED VESSEL (JHSV)	11,960	11,960	
188	TECHNICAL RECONNAISSANCE AND SURVEILLANCE		2,000	+2,000
190	SATELLITE COMMUNICATIONS (SPACE)	652,463	652,463	
191	INFORMATION SYSTEMS SECURITY PROGRAM	27,037	34,337	+7,300
192	JOINT COMMAND AND CONTROL PROGRAM (JC2)	2,000	2,000	
193	JOINT COMMAND AND CONTROL PROGRAM (JC2)	4,148	4,148	
194	COBRA JUDY	101,114	101,114	
195	NAVY METEOROLOGICAL AND OCEAN SENSORS—SPACE (METOC)	8,208	8,208	
196	JOINT MILITARY INTELLIGENCE PROGRAMS	4,614	4,614	
197	TACTICAL UNMANNED AERIAL VEHICLES	45,717	47,717	+2,000
198	ENDURANCE UNMANNED AERIAL VEHICLES	480,098	482,098	+2,000
199	AIRBORNE RECONNAISSANCE SYSTEMS	55,719	61,719	+6,000
200	MANNED RECONNAISSANCE SYSTEMS	13,982	17,482	+3,500
201	DISTRIBUTED COMMON GROUND SYSTEMS	44,540	44,540	
202	AERIAL COMMON SENSOR (ACS)	74,604	74,604	
203	MODELING AND SIMULATION SUPPORT	8,007	8,007	
204	DEPOT MAINTENANCE (NON-IF)	21,130	15,130	−6,000
205	AVIONICS COMPONENT IMPROVEMENT PROGRAM	1,877	1,877	
206	INDUSTRIAL PREPAREDNESS	56,681	56,681	
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	3,110,432	3,086,732	−23,700
999	CLASSIFIED PROGRAMS	1,309,385	1,237,785	−71,600
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY	19,337,238	19,452,403	+115,165

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
1	UNIVERSITY RESEARCH INITIATIVES	103,707	109,707	+6,000
	Human Neural Cell-Based Biosensor			+1,000
	Low Acoustic and Thermal Signature Battlefield Power Source			+2,000
	Next Generation Automated Technology for Landmine Detection			+2,000
	Radiation Hardness and Survivability of Electronic Systems			+1,000
3	DEFENSE RESEARCH SCIENCES	407,271	417,771	+10,500
	Center for Quantum Studies			+1,500
	Evaluating ELF Signals in Maritime Environments			+2,000
	Manufacturing & Repair Cell/Engineering Educational Outreach Program			+2,000
	Navy Science and Technology Outreach (N–STAR)—Maryland			+1,000
	ONAMI Nanoelectronics and Nanometrology Initiative			+1,000
	Texas Microfactory			+3,000
4	POWER PROJECTION APPLIED RESEARCH	79,913	97,413	+17,500
	Aging Evaluation of Advanced Materials for Military Aircraft			+1,500
	Combustion Light Gas Gun Projectile			+5,000
	High Energy Conventional Energetics			+4,000
	High Power Free Electron Laser Development for Naval Application			+3,000
	Millimeter Wave Imaging			+2,000
	Unmanned Aerial Vehicle Fuel Cell Power Source			+2,000
5	FORCE PROJECTION APPLIED RESEARCH	131,310	188,310	+57,000
	Advanced Simulation Tools for Aircraft Structures Made of Composite Materials			+1,500
	Alternative Energy Research			+25,000
	DEPUTEE—High Powered Microwave Non-Lethal Vehicle/Vessel Engine Disabling			+2,000
	Harbor Shield—Homeland Defense Port Security Initiative			+3,500
	High Power Density Propulsion and Power for USSVs			+2,000
	High Speed ACRC & Composites Sea Lion Craft Development			+2,000
	Integration of Electro-Kinetic Weapons into Next Generation Navy Ships			+4,500
	Lithium-Ion Cell Development with Electro Nano Materials			+5,000
	Lithium-Sulfur Chemistry Validation			+2,000
	Magnetic Refrigeration Technology			+3,000
	Mk V.1 MAKO for Improved Signature and Weight Performance			+2,000
	PMRF Force Protection Lab			+2,500
	Shipboard Production of Synthetic Aviation Fuel			+1,000
	Solid Oxide Fuel Cell			+1,000
6	MARINE CORPS LANDING FORCE TECHNOLOGY	26,785	33,285	+6,500
	High Power Ultra-Lightweight Zinc-Air Battery			+2,500
	Warfighter Rapid Awareness Processing Technology			+4,000
7	MATERIALS, ELECTRONICS AND COMPUTER TECHNOLOGY		8,500	+8,500
	Infrared Materials Laboratories			+2,500
	Novel Coating Technologies for Military Equipment			+6,000
9	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	93,862	111,862	+18,000
	Acoustic Research Detachment Test Support Platform Upgrade			+1,500

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Advanced Composite Maritime Manufacturing			+2,000
	Assistive Technologies for Injured Servicemembers			+2,000
	Biosensors for Defense Applications			+2,000
	Composite Materials Enhancements through Polymer Science Research and Development			+2,800
	Digital Directed Manufacturing Project			+1,700
	Friction Stir Welding			+1,000
	On-Board Vehicle Power Systems Development			+3,000
	Optimization of New Marine Coatings			+2,000
10	RF SYSTEMS APPLIED RESEARCH	54,830	58,330	+3,500
	Gallium Nitride RF Power Technology			+1,500
	National Initiatives for Applications of Multifunctional Materials			+2,000
11	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	47,278	50,278	+3,000
	Advanced Underwater Imaging			+2,000
	Littoral Battlespace Sensing-Autonomous UUV			+1,000
13	UNDERSEA WARFARE APPLIED RESEARCH	58,658	63,658	+5,000
	Advanced High Energy Density Surveillance Power Module			+3,000
	Galfenol Energy Harvesting			+2,000
14	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	47,869	53,869	+6,000
	Electromagnetic Signature Assessment System using Multiple AUVs			+2,000
	Virtual Onboard Analyst (VIRONA) for Multi Sensor Mine Detection			+1,000
	Water Security Program (Inland Water Quality and Desalination)			+3,000
15	POWER PROJECTION ADVANCED TECHNOLOGY	60,360	83,060	+22,700
	Advanced Ship Self Defense Technology Testing			+4,000
	Countermine Lidar UAV-based System			+1,200
	Detection, Tracking, and Identification for ISRTE of Mobile and Asymmetric Targets			+2,000
	Long Wavelength Array			+3,500
	Quiet Drive Advanced Rotary Actuator			+2,000
	Realtime Hyperspectral Targeting Sensor			+3,000
	Smart Instrument Development for Magdalena Ridge Observatory			+7,000
16	FORCE PROTECTION ADVANCED TECHNOLOGY	55,099	79,999	+24,900
	Accelerating Fuel Cells Manufacturability and its Application in the Armed Services			+2,000
	Advanced Continuous Active Sonar for UUVs			+2,500
	Durability, Energy Saving and Sustainability of Oceanic Vehicles and Support Infrastructure Through Use of Nanotech Lubricants			+1,000
	Electrochemical Field Deployable System for Water Generation			+3,500
	Formable Textile For Complex Shaped Aerospace Composites			+2,000
	Future Fuel Non-Tactical Vehicle Initiative			+2,000
	Improved Stealth and Lower Cost Operations for Ships Using High Strength Flame Resistant LCP Reinforced Netting			+2,000
	Laser Perimeter Awareness System			+1,500
	M65 Bismaleimide Carbon Fiber Prepreg			+2,000
	Single Generator Operations Lithium Ion Battery			+5,000
	Strategic/Tactical Resource Interoperability Kinetic Environment Program			+1,400
18	WARFIGHTER SUSTAINMENT ADVANCED TECHNOLOGY	112,520	125,020	+12,500
	Chafing Protection System			+1,500
	Environmentally Sealed, Ruggedized Avionics Displays for Vertical Lift Systems			+2,000
	Predicting Bio-Agent Threat Profiles Using Automated Behavior Analysis			+2,000
	Sea Base Mobility and Interfaces			+5,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Sealed, Ruggedized Flat Panel Avionics Displays			+2,000
19	RF SYSTEMS ADVANCED TECHNOLOGY	37,058	52,058	+15,000
	Pacific Airborne Surveillance and Testing			+15,000
20	USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	100,787	93,787	−7,000
	Ground Warfare Acoustical Combat System of Netted Sensors			+2,000
	Marine Air-Ground Task Force Situational Awareness			+1,000
	Reduction to Growth			−10,000
21	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT	10,938	12,938	+2,000
	Eye Safe Laser Warning Systems			+2,000
22	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	12,129	23,229	+11,100
	Amelioration of Hearing Loss			+1,000
	High Speed Blood and Fluid Transfusion Equipment			+3,100
	Integrated Warfighter Biodefense Program			+3,000
	Repair of Massive Tissue Loss and Amputation through Composite Tissue Allotransplantation			+4,000
23	UNDERSEA WARFARE ADVANCED TECHNOLOGY	81,490	84,490	+3,000
	Theater Undersea Warfare Initiative			+3,000
24	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS	70,216	67,216	−3,000
	Immersive Naval Officer Training Systems			+3,000
	Portable Launch and Recovery System for UAV Operation From Small Vessels			+4,000
	Reduction to Growth			−10,000
26	AIR/OCEAN TACTICAL APPLICATIONS	66,133	68,133	+2,000
	Semi-Submersible UUV			+2,000
27	AVIATION SURVIVABILITY	5,917	11,417	+5,500
	Air Sentinel			+1,000
	Modular Advanced Vision System			+2,000
	UAS Optimization Technologies			+2,500
29	ASW SYSTEMS DEVELOPMENTS	28,799	31,799	+3,000
	Sonobouy Wave-Energy Module			+3,000
33	SURFACE SHIP TORPEDO DEFENSE	49,171	50,371	+1,200
	Mobile Acoustic Decoys for Surface Ship Defense			+1,200
34	CARRIER SYSTEMS DEVELOPMENT	120,511	164,511	+44,000
	EMALS			+44,000
35	SHIPBOARD SYSTEM COMPONENT DEVELOMENT	4,003	20,103	+16,100
	Advanced Fluid Controls for Shipboard Applications Phase III			+2,500
	Advanced Steam Turbine			+2,000
	DDG–51 Hybrid Drive System			+6,600
	Mobile Valve and Flex Hose Maintenance			+1,000
	Power Dense Integrated Power System for CG(X)			+3,000
	Smart Valve			+1,000
40	SURFACE ASW	29,574	31,374	+1,800
	Automated Readiness Measurement System			+1,800
42	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	141,720	150,220	+8,500
	Fiber Optic Conformal Acoustic Velocity Sensor			+2,500
	Low Cost Laser Module Assembly for Acoustic Sensors			+2,000
	Undersea Launched Missile Study			+4,000
43	SUBMARINE TACTICAL WARFARE SYSTEMS	10,212	12,212	+2,000
	Submarine Panoramic Awareness System Program			+2,000
44	SHIP CONCEPT ADVANCED DESIGN	31,111	35,111	+4,000
	Low Signature Modular Weapon Platform			+4,000
45	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	14,627	26,627	+12,000
	Bow Lifting Body Ship Research			+7,000
	Naval Ship Hydrodynamic Test Facilities			+5,000
47	ADVANCED SURFACE MACHINERY SYSTEMS		2,000	+2,000
	Ship Affordability Through Advanced Aluminum Structures			+2,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
50	COMBAT SYSTEM INTEGRATION	54,401	64,401	+10,000
	Transfer from Test and Evaluation Support			+10,000
52	MARINE CORPS ASSAULT VEHICLES	316,052	281,052	−35,000
	Rephase Applique Armor			−35,000
54	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	59,049	63,549	+4,500
	Anti-Sniper Infrared Targeting System			+2,500
	Urban Operations Laboratory			+2,000
59	NAVY ENERGY PROGRAM	5,611	10,611	+5,000
	Hydrogen Fuel Cell Development			+1,500
	Molten Carbonate Fuel Cell Demonstrator			+3,500
60	FACILITIES IMPROVEMENT	4,086	8,086	+4,000
	Hydrokinetic Power Generator			+2,000
	Permanent Magnet Linear Generator Power Buoy System			+2,000
62	NAVY LOGISTIC PRODUCTIVITY	2,846	15,846	+13,000
	Advanced Naval Logistics			+2,000
	Highly Integrated Optical Interconnect for Military Avionics			+2,000
	RFID TECH Program			+1,000
	Thin Film Materials for Advanced Applications, Advanced IED and Anti-Personnel Sensors			+3,000
	Unique Identification of Tangible Items			+3,000
	Zero-Standoff HERO-compliant RFID Systems			+2,000
70	LAND ATTACK TECHNOLOGY	40,028	10,028	−30,000
	ERGM Termination			−30,000
71	NONLETHAL WEAPONS	46,902	49,902	+3,000
	Boat Trap System for Port Security/Water Craft Interdiction			+3,000
75	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS		4,200	+4,200
	Directed Energy Initiative			+2,200
	Guillotine			+2,000
82	STANDARDS DEVELOPMENT	71,920	64,220	−7,700
	Common Avionics Displays			−7,700
86	WARFARE SUPPORT SYSTEM	8,611	11,111	+2,500
	Common Expeditionary Force Protection System Architecture			+2,500
87	TACTICAL COMMAND SYSTEM	128,742	123,742	−5,000
	GCCS–M Inc 4.2			−5,000
95	VH–71A EXECUTIVE HELO DEVELOPMENT	1,047,835	735,000	−312,835
	Increment 2			−270,835
	Transfer to APN for Increment 1 AP			−42,000
96	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS–NAVY)	834,650	846,150	+11,500
	FCS Restructure			+11,500
97	SC–21 TOTAL SHIP SYSTEM ENGINEERING	678,936	593,236	−85,700
	Bio/Nano-MEMS for Defense Applications			+1,500
	CG(X) Authorization Adjustment			−87,200
98	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	188,500	196,100	+7,600
	DDG 51 Permanent Magnet Hybrid Electric Propulsion System			+7,600
101	STANDARD MISSILE IMPROVEMENTS	234,653	237,653	+3,000
	Extensible Launching System			+3,000
104	ADVANCED ABOVE WATER SENSORS	153,558	119,958	−33,600
	CG(X) Authorization Adjustment			−33,600
107	SHIPBOARD AVIATION SYSTEMS	42,843	45,643	+2,800
	Sensorless Control of Linear Motors in EMALS			+2,800
108	COMBAT INFORMATION CENTER CONVERSION	14,792	17,792	+3,000
	Scalable Open Architecture Upgradeable Reliable Computing Environment			+3,000
109	NEW DESIGN SSN	167,357	169,157	+1,800
	Large Scale Demonstration Item for VA-Class Bow Dome			+1,800
111	SUBMARINE TACTICAL WARFARE SYSTEM	58,592	63,592	+5,000
	Advanced Tactical Control System			+2,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Submarine Environment for Evaluation and Development			+3,000
112	SHIP CONTRACT DESIGN/LIVE FIRE T&E	72,932	80,832	+7,900
	Automated Fiber Optic Manufacturing Initiative			+2,500
	Transfer LHA (R) from NDSF			+5,400
119	SHIP SELF DEFENSE (DETECT & CONTROL)	35,999	43,499	+7,500
	Autonomous Unmanned Surface Vessel			+1,500
	Expeditionary Swimmer Defense System			+3,000
	Persistent Surveillance Wave PowerBuoy System			+3,000
120	SHIP SELF DEFENSE (ENGAGE: HARD KILL)	36,238	46,938	+10,700
	Next Generation Phalanx Including Laser Demo			+10,700
121	SHIP SELF DEFENSE (ENGAGE:SOFT KILL/EW)	57,574	59,574	+2,000
	NULKA Decoy and Mk 53 Decoy Launch System			+2,000
123	MEDICAL DEVELOPMENT	7,833	16,833	+9,000
	Composite Tissue Transplantation for Combat Wounded Repair			+2,000
	Disposable Biocidal Medical Masks for NAMRU Evaluation			+1,000
	HealtheForces			+3,500
	Mobile, Oxygen, Ventilation, and External Suction (MOVES) System			+1,500
	Topical Hemostat Effectiveness Study			+1,000
126	JOINT STRIKE FIGHTER (JSF)	1,532,748	1,780,248	+247,500
	Alternate Engine Development			+247,500
128	INFORMATION TECHNOLOGY DEVELOPMENT	72,497	92,997	+20,500
	Base Level Inventory Tracking System Enhancements			+3,500
	Condition-based Maintenance Enabling Technologies Program			+3,000
	Digitization, Integration, and Analyst Access of Investigative Files, NCIS			+2,000
	Integration of Logistics Information for Knowledge Projection and Readiness Assessment			+2,000
	Supply Chain Logistics Capability at the ABL NIROP			+10,000
137	MAJOR T&E INVESTMENT	42,391	48,391	+6,000
	Network Expansion & Integration of Navy/NASA RDT&E Ranges & Facilities			+6,000
141	SMALL BUSINESS INNOVATIVE RESEARCH		500	+500
	Autonomous Power Management for Distributed Operation			+500
142	TECHNICAL INFORMATION SERVICES	713	13,713	+13,000
	HTDV			+10,000
	Integrated Manufacturing Enterprise			+3,000
148	TEST AND EVALUATION SUPPORT	356,254	346,254	−10,000
	Transfer to Combat System Integration			−10,000
159	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	80,120	78,820	−1,300
	Adelos National Security Sensor System			+2,000
	Advanced LINAC Facility			+4,000
	Enhanced Special Weapons/Nuclear Weapons Security Program			+2,000
	Reliable Replacement Warhead			−23,300
	Advanced Technology for Mk5 AF&F			+14,000
167	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	14,212	16,212	+2,000
	Tomahawk Cost Reduction Initiatives			+2,000
168	INTEGRATED SURVEILLANCE SYSTEM	20,565	22,565	+2,000
	Distributed Maritime Surveillance System			+2,000
177	AVIATION IMPROVEMENTS	122,906	95,906	−27,000
	Arc Fault Circuit Breaker with Arc Location System			+1,000
	F/A–18 Avionics Ground Support System			+3,000
	Rapid Repair Structural Adhesives			+1,000
	Wireless Sensors for Navy Aircraft			+3,000
	Multipurpose Bomb Rack			−35,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
180	MARINE CORPS COMMUNICATIONS SYSTEMS	273,696	278,196	+4,500
	M2C2			+4,500
181	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	136,080	115,380	−20,700
	Marine Personnel Carrier Program Delay			−20,700
188	TECHNICAL RECONNAISSANCE AND SURVEILLANCE		2,000	+2,000
	ACINT (MASINT) Tape Digitization Program			+2,000
191	INFORMATION SYSTEMS SECURITY PROGRAM	27,037	34,337	+7,300
	TSG Technology Accreditation			+3,000
	Universal Description, Discovery and Integration			+4,300
197	TACTICAL UNMANNED AERIAL VEHICLES	45,717	47,717	+2,000
	SKYBUS 80K and 130K LTA-UAS Multirole Technologies			+2,000
198	ENDURANCE UNMANNED AERIAL VEHICLES	480,098	482,098	+2,000
	Advanced Airship Flying Laboratory, AAFL Phase 2			+2,000
199	AIRBORNE RECONNAISSANCE SYSTEMS	55,719	61,719	+6,000
	Fusion, Exploitation, Algorithm, Targeting High-Altitude Reconnaissance			+6,000
200	MANNED RECONNAISSANCE SYSTEMS	13,982	17,482	+3,500
	Collective Aperture Multi-Band Sensor System			+3,500
204	DEPOT MAINTENANCE (NON-IF)	21,130	15,130	−6,000
	Rephase F/A-18 SLAP			−6,000
	CLASSIFIED PROGRAMS	1,309,385	1,237,785	−71,600

Electromagnetic Aircraft Launching System [EMALS].—EMALS is the next generation catapult launch system for the CVN–78 class aircraft carriers, which will replace the current steam-powered launch system with improved reliability, maintenance, and performance. However, the EMALS program has encountered challenges with respect to schedule and the rising cost of steel, copper, and other materials. Because EMALS is integrated into the design of CVN–78, further delays to the program would require substantial changes to the ship under construction in order to install a steam-powered launch system, or increase shipbuilding costs to accommodate late delivery of EMALS.

The Committee has approved a fiscal year 2008 reprogramming of $36,900,000 to EMALS, and has been informed that development of the system will require an additional $44,000,000 in fiscal year 2009. The Committee recommendation includes the additional funds, and directs the Secretary of the Navy to submit a report to the congressional defense committees by April 1, 2009, detailing efforts to control cost and schedule growth in the EMALS program, an updated schedule for completion of research and development efforts and integration into CVN–78, and an assessment of aircraft launch system options for CVN–78, including cost estimates of those options, if the EMALS program experiences further delays.

Joint Counter Radio-Controlled Electronic Warfare Technology.—The budget request includes $97,048,000 for development of Joint Counter Radio-Controlled Electronic Warfare [JCREW] 3.3, the next-generation jammer to defend against improvised explosive device [IED] threats. Unlike previous JCREW efforts that have been funded by the Joint IED Defeat Organization [JIEDDO] due to urgent wartime needs, JCREW 3.3 is an ongoing program of record with the Navy designated as executive agent. However, JCREW 3.3 still relies upon funding from JIEDDO for critical science and tech-

nology [S&T] efforts. The Committee believes that the S&T efforts for the program of record should be within the Navy's budget as the executive agent for JCREW 3.3, and directs the Department to fund JCREW 3.3 S&T efforts within the Research, Development, Test, and Evaluation, Navy account in future budget requests.

RATTLRS.—The Committee is aware of the interest of the Navy in further development of concepts for an air-breathing, hypersonic anti-ship missile. The Chief of Naval Operations has expressed his support for continuing the Revolutionary Approach To Time Critical Long Range Strike [RATTLRS] project to conduct two flight experiments in fiscal year 2009. These tests would provide valuable data to the forthcoming analysis of alternatives for a next-generation anti-ship missile. Because of the potential for a huge leap in capability of such a missile, the Committee encourages the Navy to submit a reprogramming request in fiscal year 2009 to continue the RATTLRS demonstration program.

Reliable Replacement Warhead.—The President's budget request included $23,300,000 for engineering development activities related to the proposed Reliable Replacement Warhead. Funding for the Reliable Replacement Warhead was rejected by Congress last year, and the Committee recommends a reduction of all funds related to this program. Meanwhile, the Navy has initiated studies and technology assessments for improvements to the arming, fusing, and firing system for the existing fleet of Mark 5 reentry vehicles. The Committee understands that these activities are an acceleration of improvements planned in future years and are not in support of any development of the Reliable Replacement Warhead. The Committee therefore recommends $14,000,000 for technology development for arming, fusing, and firing systems for the Mark 5 to continue the acceleration of these efforts.

VH–71 Presidential Helicopter.—The budget request included $1,047,835,000 for continued development of the VH–71 Presidential Helicopter. The VH–71 is intended to replace the current fleet of VH–3 and VH–60 helicopters to provide additional capabilities, security, and comfort for the transportation of the President.

Unfortunately, the VH–71 program has been derailed by ambitious requirements which were supposed to be fielded with minimal development and testing. On April 30, 2002, the Department of the Navy notified the Committee that "Total RDT&E, N cost for the VH–XX is estimated at $523,000,000 dollars." According to a March 14, 2008, briefing by Navy officials, the research, development, test and evaluation cost for the VH–71 is now estimated to be $8,200,000,000. Total program acquisition cost for the fleet of 23 helicopters has grown to $11,200,000,000.

The present VH–71 program is divided into Increment 1, which is scheduled to reach initial operational capability in 2010, and Increment 2, which has additional capabilities and a projected initial operational capability in 2017. Due to significant development problems, the Department of the Navy reduced funding for Increment 2 in its fiscal year 2008 budget, and then issued a "stop work" order for Increment 2 on December 21, 2007. Development of Increment 1 aircraft has continued during this period. The President's fiscal year 2009 budget submission requested funds to restart work on Increment 2 in the spring of 2009, following certifi-

cation of a Nunn-McCurdy breach for cost and schedule overruns, but includes only minimal funding for the program in 2010 and beyond.

The Increment 1 aircraft now undergoing testing have demonstrated substantial capability improvements over the legacy VH–3 and VH–60 fleet. These capabilities include additional passenger capacity, higher airspeed, equivalent range, next-generation communications suites, enhanced passenger comfort, and improved self-protection systems. These upgrades cannot be migrated to the VH–3 or VH–60 fleet because of weight constraints on the aging fleet. The Committee remains concerned about sustainment of the fleet, and therefore provides an additional $20,000,000 in Aircraft Procurement, Navy, to provide reliability enhancements, for the VH–3 and VH–60 to maintain safe operations.

The Committee does not believe that continued investment in development of Increment 2, which today is estimated to cost not less than $4,700,000,000, is warranted. The Increment 1 aircraft, with significant advantages over the legacy fleet, will be available in the near term. Sustaining a portion of the current aging aircraft fleet until Increment 2 assets become fully operational more than 10 years from now carries significant costs and risks. Finally, there is no assurance that the cost growth in this program has been fully understood or controlled.

The Committee recommended amount for VH–71 includes no funds to end the "stop work" order issued by the Navy for Increment 2. The Committee instead transfers $42,000,000 from Research, Development, Test and Evaluation, Navy, to Aircraft Procurement, Navy, to be used for advance procurement for up to 6 Increment 1 low-rate initial production aircraft.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE

Appropriations, 2008	$26,255,471,000
Budget estimate, 2009	28,066,617,000
Committee recommendation	26,947,810,000

The Committee recommends an appropriation of $26,947,810,000. This is $1,118,807,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVAL, AIR FORCE			
	BASIC RESEARCH			
1	DEFENSE RESEARCH SCIENCES	309,926	314,926	+5,000
2	UNIVERSITY RESEARCH INITIATIVES	125,949	130,049	+4,100
3	HIGH ENERGY LASER RESEARCH INITIATIVES	13,425	13,425	
	TOTAL, BASIC RESEARCH	449,300	458,400	+9,100
	APPLIED RESEARCH			
7	MEDICAL DEVELOPMENT		5,500	+5,500
8	MATERIALS	117,143	157,443	+40,300

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
9	AEROSPACE VEHICLE TECHNOLOGIES	122,870	122,870	.....
10	HUMAN EFFECTIVENESS APPLIED RESEARCH	82,091	94,091	+12,000
11	AEROSPACE PROPULSION	218,049	218,549	+500
12	AEROSPACE SENSORS	109,048	122,048	+13,000
13	SPACE TECHNOLOGY	117,519	135,519	+18,000
14	CONVENTIONAL MUNITIONS	55,963	55,963	.....
15	DIRECTED ENERGY TECHNOLOGY	62,871	62,871	.....
16	COMMAND CONTROL AND COMMUNICATIONS	109,492	111,492	+2,000
17	HIGH ENERGY LASER RESEARCH	49,449	49,449	.....
	TOTAL, APPLIED RESEARCH	1,044,495	1,135,795	+91,300
	ADVANCED TECHNOLOGY DEVELOPMENT			
18	ADVANCED MATERIALS FOR WEAPON SYSTEMS	41,926	64,926	+23,000
19	ADVANCED AEROSPACE SENSORS	56,916	56,916	.....
20	AEROSPACE TECHNOLOGY DEV/DEMO	44,918	44,918	.....
21	AEROSPACE PROPULSION AND POWER TECHNOLOGY	170,856	176,056	+5,200
22	CREW SYSTEMS AND PERSONNEL PROTECTION TECHNOLOGY	26,630	34,730	+8,100
23	ELECTRONIC COMBAT TECHNOLOGY	21,056	27,156	+6,100
25	ADVANCED SPACECRAFT TECHNOLOGY	80,958	86,958	+6,000
26	MAUI SPACE SURVEILLANCE SYSTEM (MSSS)	4,838	36,838	+32,000
27	CONVENTIONAL WEAPONS TECHNOLOGY	11,813	14,813	+3,000
28	ADVANCED WEAPONS TECHNOLOGY	44,507	56,707	+12,200
29	MANUFACTURING TECHNOLOGY PROGRAM	39,729	42,729	+3,000
30	C3I ADVANCED DEVELOPMENT	30,103	34,003	+3,900
32	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM	4,013	4,013	.....
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	578,263	680,763	+102,500
	DEMONSTRATION & VALIDATION			
33	INTELLIGENCE ADVANCED DEVELOPMENT	4,988	4,988	.....
34	PHYSICAL SECURITY EQUIPMENT	477	477	.....
36	GPS III—OPERATIONAL CONTROL SEGMENT	2,975	307,335	+304,360
37	GPS OPERATIONAL CONTROL SEGMENT	304,360	.....	−304,360
38	ADVANCED EHF MILSATCOM (SPACE)	388,041	388,041	.....
39	POLAR MILSATCOM (SPACE)	237,749	237,749	.....
40	SPACE CONTROL TECHNOLOGY	76,845	88,345	+11,500
41	COMBAT IDENTIFICATION TECHNOLOGY	29,400	29,400	.....
42	NATO RESEARCH AND DEVELOPMENT	4,334	4,334	.....
43	INTERNATIONAL SPACE COOPERATIVE R&D	627	627	.....
44	TRANSFORMATIONAL SATCOM (TSAT)	842,974	786,974	−56,000
45	INTEGRATED BROADCAST SERVICE	21,105	21,105	.....
46	INTERCONTINENTAL BALLISTIC MISSILE	65,629	65,629	.....
47	WIDEBAND GAPFILLER SYSTEM RDT&E (SPACE)	12,422	12,422	.....
49	POLLUTION PREVENTION (DEM/VAL)	2,877	2,877	.....
50	JOINT PRECISION APPROACH AND LANDING SYSTEMS	7,479	7,479	.....
52	ALTERNATIVE FUELS	28,464	33,964	+5,500
53	AUTOMATED AIR-TO-AIR REFUELING	9,889	9,889	.....
55	OPERATIONALLY RESPONSIVE SPACE	110,032	115,032	+5,000
56	NATIONAL POLAR-ORBITING OPERATIONAL ENVIRONMENTAL SAT	289,469	289,469	.....
	TOTAL, DEMONSTRATION & VALIDATION	2,440,136	2,406,136	−34,000
	ENGINEERING & MANUFACTURING DEVELOPMENT			
57	GLOBAL BROADCAST SERVICE (GBS)	18,790	18,790	.....
58	NUCLEAR WEAPONS SUPPORT	20,166	20,166	.....
59	B–1B	128,871	134,071	+5,200
60	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING	7,462	13,462	+6,000
61	B–2 ADVANCED TECHNOLOGY BOMBER	351,417	344,117	−7,300
63	ELECTRONIC WARFARE DEVELOPMENT	54,995	56,495	+1,500
64	PHYSICAL SECURITY EQUIPMENT	52	52	.....
65	SMALL DIAMETER BOMB (SDB)	125,067	125,067	.....
66	COUNTERSPACE SYSTEMS	74,918	74,918	.....
67	SPACE SITUATION AWARENESS SYSTEMS	210,501	210,501	.....

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
68	AIRBORNE ELECTRONIC ATTACK	34,279	34,279	
69	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD	529,771	529,771	
70	ALTERNATIVE INFRARED SPACE SYSTEM (AIRSS)	149,064	150,264	+1,200
71	ARMAMENT/ORDNANCE DEVELOPMENT	2,095	2,095	
72	SUBMUNITIONS	1,730	1,730	
73	AGILE COMBAT SUPPORT	5,790	5,790	
75	LIFE SUPPORT SYSTEMS	10,998	17,998	+7,000
76	COMBAT TRAINING RANGES	28,047	28,047	
77	INTEGRATED COMMAND & CONTROL APPLICATIONS (IC2A)	177	5,177	+5,000
78	INTELLIGENCE EQUIPMENT	1,488	1,488	
80	JOINT STRIKE FIGHTER (JSF)	1,524,016	1,771,516	+247,500
81	EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE)	33,719	33,719	
82	RDT&E FOR AGING AIRCRAFT	13,828	13,828	
83	NEXT GENERATION AERIAL REFUELING AIRCRAFT	831,759		−831,759
84	CSAR-X RDT&E	305,062	240,062	−65,000
85	HC/MC-130 RECAP RDT&E	11,692	11,692	
86	LINK-16 SUPPORT AND SUSTAINMENT	186,213	186,213	
87	E-10 SQUADRONS	42,215		−42,215
88	SINGLE INTEGRATED AIR PICTURE (SIAP)	66,909	66,909	
89	FULL COMBAT MISSION TRAINING	135,152	135,152	
90	JOINT CARGO AIRCRAFT (JCA)	26,777	16,777	−10,000
91	CV-22	18,562	18,562	
92	AIRBORNE SENIOR LEADER C3 (SLC 35)	1,992	1,992	
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	4,953,574	4,270,700	−682,874
	RDT&E MANAGEMENT SUPPORT			
93	THREAT SIMULATOR DEVELOPMENT	34,568	34,568	
94	MAJOR T&E INVESTMENT	61,818	65,818	+4,000
95	RAND PROJECT AIR FORCE	28,676	31,976	+3,300
97	INITIAL OPERATIONAL TEST & EVALUATION	29,537	29,537	
98	TEST AND EVALUATION SUPPORT	787,737	787,737	
99	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	14,895	14,895	
100	SPACE TEST PROGRAM (STP)	48,072	48,072	
101	FACILITIES RESTORATION & MODERNIZATION—TEST & EVAL	46,234	46,234	
102	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT	28,898	33,898	+5,000
104	INTERNATIONAL ACTIVITIES	3,910	3,910	
	TOTAL, RDT&E MANAGEMENT SUPPORT	1,084,345	1,096,645	+12,300
	OPERATIONAL SYSTEMS DEVELOPMENT			
105	COMMON VERTICAL LIFT SUPPORT PLATFORM	3,868	3,868	
106	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY	20,987	20,987	
108	B-52 SQUADRONS	38,651	41,751	+3,100
110	AIR-LAUNCHED CRUISE MISSILE (ALCM)	396	396	
111	STRAT WAR PLANNING SYSTEM—USSTRATCOM	17,553	17,553	
112	NIGHT FIST—USSTRATCOM	5,299	5,299	
114	REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION	23,858	23,858	
115	STRATEGIC AEROSPACE INTELLIGENCE SYSTEM ACTIVITIES	15	15	
116	WARFIGHTER RAPID ACQUISITION PROCESS (WRAP) RAPID TRAN	20,807	20,807	
117	MQ-9 UAV	43,557	43,557	
118	A-10 SQUADRONS		5,000	+5,000
119	F-16 SQUADRONS	123,979	123,979	
120	F-15E SQUADRONS	184,213	196,213	+12,000
121	MANNED DESTRUCTIVE SUPPRESSION	5,585	5,585	
122	F-22 SQUADRONS	700,305	600,305	−100,000
124	TACTICAL AIM MISSILES	5,748	5,748	
125	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	54,239	54,239	
126	JOINT HELMET MOUNTED CUEING SYSTEM (JHMCS)	3,192	3,192	
127	AF TENCAP	11,578	11,578	
129	COMPASS CALL	4,670	4,670	
130	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	150,956	150,956	

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
132	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)	13,035	33,035	+20,000
133	AIR AND SPACE OPERATIONS CENTER (AOC)	118,834	98,834	−20,000
134	CONTROL AND REPORTING CENTER (CRC)	60,590	60,590	.....
135	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)	126,300	126,300	.....
136	TACTICAL AIRBORNE CONTROL SYSTEMS	1,530	1,530	.....
137	ADVANCED COMMUNICATIONS SYSTEMS	29,782	29,782	.....
138	EVALUATION AND ANALYSIS PROGRAM	794,036	794,036	.....
140	THEATER BATTLE MANAGEMENT (TBM) C4I	19,437	19,437	.....
141	FIGHTER TACTICAL DATA LINK	62,788	47,788	−15,000
142	BOMBER TACTICAL DATA LINK	11,702	11,702	.....
143	C2ISR TACTICAL DATA LINK	1,727	1,727	.....
144	COMMAND AND CONTROL (C2) CONSTELLATION	32,151	32,151	.....
145	JOINT SURVEILLANCE AND TARGET ATTACK RADAR SYSTEM	97,641	81,541	−16,100
146	SEEK EAGLE	21,645	21,645	.....
148	USAF MODELING AND SIMULATION	28,981	28,981	.....
149	WARGAMING AND SIMULATION CENTERS	3,870	3,870	.....
150	DISTRIBUTED TRAINING AND EXERCISES	7,137	7,137	.....
151	MISSION PLANNING SYSTEMS	97,560	97,560	.....
152	INFORMATION WARFARE SUPPORT	12,220	12,220	.....
153	SPECIAL EVALUATION SYSTEM	1,077,970	1,077,970	.....
167	NATIONAL AIR INTELLIGENCE CENTER	.....	1,700	+1,700
159	E–4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC)	4,069	4,069	.....
161	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK	70,995	70,995	.....
162	INFORMATION SYSTEMS SECURITY PROGRAM	187,933	187,933	.....
163	GLOBAL COMBAT SUPPORT SYSTEM	4,320	4,320	.....
164	GLOBAL COMMAND AND CONTROL SYSTEM	3,218	3,218	.....
165	JOINT COMMAND AND CONTROL PROGRAM (JC2)	3,234	3,234	.....
166	MILSATCOM TERMINALS	337,098	337,098	.....
167	SPECIAL ACTIVITIES	.....	6,500	+6,500
168	AIRBORNE SIGINT ENTERPRISE	173,631	173,631	.....
110	ADVANCED GEOSPATIAL INTELLIGENCE	.....	2,500	+2,500
171	GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	6,275	6,275	.....
172	CYBER SECURITY INITIATIVE	2,083	2,083	.....
173	SATELLITE CONTROL NETWORK (SPACE)	16,758	16,758	.....
174	WEATHER SERVICE	47,347	47,347	.....
175	AIR TRAFFIC CONTROL, APPROACH, & LANDING SYSTEM (ATC)	6,867	6,867	.....
176	AERIAL TARGETS	34,777	34,777	.....
179	SECURITY AND INVESTIGATIVE ACTIVITIES	786	786	.....
181	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	39	39	.....
184	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT)	127,513	131,513	+4,000
185	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL)	91,277	91,277	.....
187	SPACE AND MISSILE TEST AND EVALUATION CENTER	1,985	1,985	.....
188	SPACE WARFARE CENTER	3,003	3,003	.....
189	SPACELIFT RANGE SYSTEM (SPACE)	12,376	12,376	.....
190	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS	1,237	1,237	.....
191	AIRBORNE RECONNAISSANCE SYSTEMS	149,752	99,752	−50,000
192	MANNED RECONNAISSANCE SYSTEMS	12,819	16,619	+3,800
193	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	107,834	107,834	.....
194	PREDATOR UAV (JMIP)	24,773	34,773	+10,000
195	GLOBAL HAWK UAV	284,292	311,507	+27,215
196	NETWORK—CENTRIC COLLABORATIVE TARGET (TIARA)	8,807	8,807	.....
197	GPS III SPACE SEGMENT	420,342	372,342	−48,000
198	INTELLIGENCE SUPPORT TO INFORMATION WARFARE	5,438	5,438	.....
200	NUDET DETECTION SYSTEM (SPACE)	41,292	41,292	.....
201	NATIONAL SECURITY SPACE OFFICE	10,797	10,797	.....
202	SPACE SITUATION AWARENESS OPERATIONS	16,166	16,166	.....
203	NASS, IO TECHNOLOGY INTEGRATION & TOOL DEV	15,726	15,726	.....
204	SHARED EARLY WARNING (SEW)	3,152	3,152	.....
205	C–130 AIRLIFT SQUADRON	172,560	176,560	+4,000
206	C–5 AIRLIFT SQUADRONS	125,063	128,063	+3,000
207	C–17 AIRCRAFT	236,047	236,047	.....

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
208	C–130J PROGRAM	52,354	27,354	−25,000
209	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM)	32,100	37,600	+5,500
210	KC–135S	7,133	7,133	
214	AIR MOBILITY TACTICAL DATA LINK		8,000	+8,000
215	SPECIAL TACTICS / COMBAT CONTROL	5,728	5,728	
216	DEPOT MAINTENANCE (NON-IF)	1,531	1,531	
217	ACQUISITION AND MANAGEMENT SUPPORT	34,428	34,428	
220	LOGISTICS INFORMATION TECHNOLOGY (LOGIT)	189,679	139,679	−50,000
221	SUPPORT SYSTEMS DEVELOPMENT	8,145	41,145	+33,000
222	JOINT NATIONAL TRAINING CENTER	3,214	3,214	
223	OTHER PERSONNEL ACTIVITIES	116	116	
224	JOINT PERSONNEL RECOVERY AGENCY	5,768	5,768	
225	SERVICE-WIDE SUPPORT (NOT OTHERWISE ACCOUNTED FOR)	3,016	3,016	
226	CIVILIAN COMPENSATION PROGRAM	8,123	8,123	
227	PERSONNEL ADMINISTRATION	18,625	18,625	
228	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT	31,782	16,782	−15,000
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	7,211,815	7,022,030	−189,785
999	CLASSIFIED PROGRAMS	10,304,689	9,877,341	−427,348
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, AIR FORCE	28,066,617	26,947,810	−1,118,807

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
1	Defense Research Sciences	309,926	314,926	+5,000
	Center for Microplasma Science and Technology			+2,000
	Coal Transformation Laboratory			+1,000
	Development and Validation of Advanced Design Technologies for Hypersonic Research			+2,000
2	University Research Initiatives	125,949	130,049	+4,100
	Battlespace: Reducing Military Decision Cycles			+1,600
	High Temperature Hydrogen Energy Production Facility			+1,500
	Partnership in Innovative Preparation for Educators and Students and the Space Education Consortium			+1,000
7	Medical Development		5,500	+5,500
	Biothreat Test Pouch for Film Array System			+1,000
	Health Surveillance System			+2,000
	Regional Telepathology Initiative at Keesler AFB			+2,500
8	Materials	117,143	157,443	+40,300
	Accelerated Insertion of Advanced Materials and Certification for Military Aircraft Structure Material Substitution and Repair			+3,500
	Advanced Carbon Fiber Research Testing Initiative			+1,500
	Advanced Carbon Foam Heat Exchangers			+1,000
	Advanced Military Installations That Integrate Renewable Energy and Advanced Energy Storage Technologies			+4,000
	Air Force Minority Leaders Program			+8,000
	Aircraft Fatigue Modeling and Simulation			+3,000
	Conducting Polymer Stress and Damage Sensors for Composites			+1,800

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Consortium for Nanomaterials for Aerospace Commerce and Technology			+3,000
	Diamond Substrate for Cooling of Micro-Electronics			+2,500
	Fire and Blast Resistant Materials for Force Protection			+2,000
	LGX High Temperature Acoustic Wave Sensors			+2,000
	Mobile Wind Turbine Systems to Power Forward Bases			+1,000
	Nano-Composite Structures Manufacturing Technology Development			+1,000
	ONAMI Safer Nanomaterials and Nanomanufacturing			+4,000
	Tactical Shelters Next Generation Composite Initiative			+2,000
10	Human Effectiveness Applied Research	82,091	94,091	+12,000
	Component Object Model Attitude Control System Simulation/Trainer			+2,000
	Cyber Security Laboratory			+3,000
	Joint Theater Air Ground Simulation System			+3,000
	Ultra High Resolution Deployable Projector for Simulation			+4,000
11	Aerospace Propulsion	218,049	218,549	+500
	Turbine Engine Core Components—program growth			−10,000
	Advanced Fuel Cell Based Power System for Small UAV Applications			+1,500
	Manufacturing of High Energy Superior Lithium Battery Technology			+6,000
	Vortex Low Cost Rocket Engine			+3,000
12	Aerospace Sensors	109,048	122,048	+13,000
	Advanced Data Exploitation and Visualization			+1,000
	Low Voltage, Wideband Electro-Optic Polymer Modulators			+3,000
	Persistent Sensing Data Processing, Storage and Retrieval			+2,000
	Space Qualification of the Common Data Link			+2,000
	Super-Resolution Sensor System			+2,000
	Wideband Digital Airborne Electronic Sensing Array			+3,000
13	Space Technology	117,519	135,519	+18,000
	Advanced Modular Avionics for ORS Use			+2,000
	Defensive Counterspace Testbed			+1,000
	Field Programmable Gate Arrays Mission Assurance Center			+3,000
	Lightweight, High-Efficiency Solar Cells for Spacecraft			+1,000
	Massively Parallel Optical Interconnects for MicroSatellite Applications			+2,000
	Multicontinuum Technology for Space Structures			+3,600
	Nuclear Test Seismic Research			+2,500
	Reconfigurable Electronics and Non-Volatile Memory Research			+2,500
	Shielding Rocket Payloads			+400
16	Command Control and Communications	109,492	111,492	+2,000
	Cyber Attack Mitigation and Exploitation Laboratory (CAMEL) III			+2,000
18	Advanced Materials for Weapon Systems	41,926	64,926	+23,000
	Aircraft Evaluation Readiness Initiative			+3,000
	Hybrid Bearing			+2,000
	Materials Integrity Management Research for Air Force Systems			+1,000
	Metals Affordability Initiative			+5,000
	Rapid Automated Processing of Advanced Low Observables			+2,000
	Sewage-Derived Biofuels Project			+3,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Silicon Carbide Electronics Material Producibility Initiative			+6,000
	Sonic Infrared Imaging Technology Development			+1,000
21	Aerospace Propulsion and Power Technology	170,856	176,056	+5,200
	Assured Aerospace Fuels Research			+2,000
	Silicon Carbide Power Electronics for More Electric Aircraft			+3,200
22	Crew Systems and Personnel Protection Technology	26,630	34,730	+8,100
	Air Purification with Carbon Nanotube Nanostructured Material			+5,000
	PhasorBIRD Helmet Tracker			+3,100
23	Electronic Combat Technology	21,056	27,156	+6,100
	Advance Threat Alert/Advance Technology Demonstration			+6,100
25	Advanced Spacecraft Technology	80,958	86,958	+6,000
	Thin Film Amorphous Solar Arrays			+2,000
	Ultra Low Power Electronics			+4,000
26	Maui Space Surveillance System (MSSS)	4,838	36,838	+32,000
	Flash Hyper-Dimensional Imaging System for Space Situational Awareness and Ballistic Missile Defense			+2,000
	MSSS Operations & Research			+22,000
	PanSTARRS			+8,000
27	Conventional Weapons Technology	11,813	14,813	+3,000
	Integrated Targeting Device			+3,000
28	Advanced Weapons Technology	44,507	56,707	+12,200
	Advanced Fiber Lasers Systems and Components			+1,200
	Applications of LIDAR to Vehicles with Analysis			+7,500
	Real-time Optical Surveillance Applications			+3,500
29	Manufacturing Technology Program	39,729	42,729	+3,000
	Next Generation Casting Supplier Base Initiative			+3,000
30	C3I Advanced Development	30,103	34,003	+3,900
	MPOI for Battlespace Information Exchange			+3,900
36	Global Positioning System III—Operational Control Segment	2,975	307,335	+304,360
	GPS III OCX			+304,360
37	GPS Operational Control Segment—Backwards Compatibility	304,360		−304,360
	GPS III—OCX backwards compatibility			−304,360
40	Space Control Technology	76,845	88,345	+11,500
	COTS Technology for Space Situational Awareness			+3,500
	Multi-mission Deployable Optical System			+5,000
	Space Situational Awareness—TCN Demonstration and Deployment			+3,000
44	Transformational SATCOM (TSAT)	842,974	786,974	−56,000
	TSAT contract award delay			−56,000
52	Alternative Fuels	28,464	33,964	+5,500
	Alternative Energy—Tin City			+500
	Eielson AFB Coal to Liquid Initiative			+5,000
55	Operationally Responsive Space	110,032	115,032	+5,000
	Low-Earth Orbit Nanosatellite Integrated Defense Autonomous Systems			+5,000
59	B-1B	128,871	134,071	+5,200
	B-1 Bomber 16-Carry Adapter Weapons Initiative			+5,200
60	Specialized Undergraduate Flight Training	7,462	13,462	+6,000
	AT-6B Capabilities Demonstration			+6,000
61	B-2 Advanced Technology Bomber	351,417	344,117	−7,300
	B-2 Radar (Transfer to APAF, Line 24)			−18,500
	B-2 Advanced Tactical Data Link			+11,200
63	Electronic Warfare Development	54,995	56,495	+1,500
	Rapid Replacement of Mission Critical Electronics to Support High Usage Wartime Aircraft Deployments			+1,500
70	Third Generation Infrared Surveillance (3GIRS)	149,064	150,264	+1,200

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Advanced Staring Infrared Testbed (ASIRT) Technology Demonstration			+1,200
75	Life Support Systems	10,998	17,998	+7,000
	ACES–5 Ejection Seat			+7,000
77	Integrated Command & Control Applications (IC2A)	177	5,177	+5,000
	ASSET eWing and Data Fusion Technology Integration			+5,000
80	Joint Strike Fighter (JSF)	1,524,016	1,771,516	+247,500
	Alternate Engine Development			+247,500
83	Next Generation Aerial Refueling Aircraft	831,759		−831,759
	Transfer to Tanker Transfer Fund			−831,759
84	CSAR–X RDT&E	305,062	240,062	−65,000
	Contract award delay			−65,000
87	E–10 Squadrons	42,215		−42,215
	Transfer to Global Hawk Line 195			−42,215
90	Joint Cargo Aircraft (JCA)	26,777	16,777	−10,000
	Unexecutable request			−10,000
94	Major T&E Investment	61,818	65,818	+4,000
	Holloman High Speed Test Track			+4,000
95	RAND Project Air Force	28,676	31,976	+3,300
	Project Air Force			+3,300
102	Facilities Sustainment—Test and Evaluation Support	28,898	33,898	+5,000
	Sustainable Energy Vermont National Guard Demonstration Projects			+5,000
108	B–52 Squadrons	38,651	41,751	+3,100
	Core Component Jammer			+3,100
118	A–10 Squadrons		5,000	+5,000
	Scorpion Low Cost Helmet Mounted Cueing & Information Display System			+5,000
120	F–15E Squadrons	184,213	196,213	+12,000
	F–15C AESA Radar Classified Demo Follow-On			+12,000
122	F–22A Squadrons	700,305	600,305	−100,000
	Program growth			−75,000
	Lab infrastructure program growth			−25,000
132	Joint Air-to-Surface Standoff Missile (JASSM)	13,035	33,035	+20,000
	Transfer from MPAF Line			+20,000
133	Air & Space Operations Center (AOC)	118,834	98,834	−20,000
	ASOC increment 10.2 program delay			−20,000
141	Fighter Tactical Data Link	62,788	47,788	−15,000
	Advanced Tactical Data Link program delay			−15,000
145	Joint Surveillance/Target Attack Radar System (JSTARS)	97,641	81,541	−16,100
	DMS—funded in fiscal year 2008 supplemental			−36,100
	Multi Platform Radar Technology Improvement Program (MPRTIP) Integration and Test on JSTARS			+20,000
154	National Air Intelligence Center		1,700	+1,700
	Air Cargo Tracking and Analysis/Secure Skies			+1,700
167	Special Activities		6,500	+6,500
	Massively Parallel Optical Interconnects (MPOI) for ISR Satellites			+2,000
	Radiation Hardened Microelectronics (HX5000) Carbon Nanotube Sensors			+2,000
	Ultralight Aerospace Nanotube Conductors			+2,500
170	Advanced Geospatial Intelligence		2,500	+2,500
	Advanced Technical Intelligence Center			+2,500
184	NAVSTAR Global Positioning System (User Equipment) (SPACE)	127,513	131,513	+4,000
	Transportable Transponder Landing System			+4,000
191	Airborne Reconnaissance Systems	149,752	99,752	−50,000
	Blackswift testbed			−50,000
192	Manned Reconnaissance Systems	12,819	16,619	+3,800
	Combat Sent Wideband Sensor Upgrade Program			+3,800
194	MQ–1 Predator A UAV	24,773	34,773	+10,000
	Center of Excellence for Defense UAV Education			+4,000
	Multi-Sensor Detect, See and Avoid			+6,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
195	Global Hawk UAV	284,292	311,507	+27,215
	Program execution			−15,000
	Transfer from E–10 Line 87			+42,215
197	GPS III Space Segment	420,342	372,342	−48,000
	Contract award delay			−48,000
205	C–130 Airlift Squadron	172,560	176,560	+4,000
	Electromagnetic In-Flight Propeller Balancing System			+2,000
	NP 2000 Propeller System—Air National Guard Special Missions C–130			+2,000
206	C–5 Airlift Squadrons (IF)	125,063	128,063	+3,000
	Inductive Thermography Systems Inspection			+3,000
208	C–130J Program	52,354	27,354	−25,000
	International block upgrade—funding no longer required			−25,000
209	Large Aircraft IR Countermeasures (LAIRCM)	32,100	37,600	+5,500
	LAIRCM for AFSOC AC/MC–130 Aircraft			+5,500
214	Air Mobility Tactical Data Link		8,000	+8,000
	MAF-Data Link Integration—Air Force requested transfer from APAF, Line 59			+8,000
220	Logistics Information Technology (LOGIT)	189,679	139,679	−50,000
	Expeditionary combat support system—program delay			−50,000
221	Support Systems Development	8,145	41,145	+33,000
	Alternative Energy Fuel Cell Power Generation			+1,000
	Alternative Energy Research			+25,000
	Assessment of Alternative Energy for Aircraft Ground Equipment			+2,000
	Freedom Fuels/Coal Fuels Alliance			+4,000
	Warner Robbins Air Logistics Center Special Operations Forces			+1,000
228	Financial Management Information Systems Development	31,782	16,782	−15,000
	DEAMS program delay			−15,000
999	Classified Programs	10,304,689	9,877,341	−427,348

Maui Space Surveillance System [MSSS].—The Committee recommends an increase of $22,000,000 over the President's budget request for sustainment, 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.

Next Generation Aerial Refueling Aircraft.—The Committee is concerned that the KC–135 recapitalization program has been delayed once again. On January 30, 2007, the Air Force issued a solicitation to procure the KC–X aerial refueling tanker, and on February 29, 2008 the contract was awarded. This contract award was protested to the Government Accountability Office [GAO]. The GAO issued a decision on June 18, 2008, citing a number of significant errors in the Air Force's evaluation under the key system requirements and product support subfactors of the mission capability evaluation factor and in its cost evaluation, and that the agency conducted misleading and unequal discussions with

offerors. In total the GAO sustained eight items of protest. While the GAO decision did not evaluate the merits of the individual aircraft it did conclude that the Air Force made significant errors that could have affected the outcome of the competition. Any attempt to diminish the seriousness of these findings is contrary to efforts necessary to correct mistakes and the mismanagement of this procurement.

The GAO recommended the Air Force re-open conversations with the offerors, obtain revised proposals, reevaluate the revised proposals, and make a new source selection. GAO further recommended that, if the Air Force believed the solicitation, as reasonably interpreted, does not adequately state its needs the agency should amend the solicitation. After reviewing the GAO recommendation the Secretary of Defense determined that the Office of the Secretary of Defense [OSD] will be the Source Selection Authority instead of the Air Force. The Committee is very supportive of the Secretary's decision to elevate the contract award to his office since the recapitalization of the KC–135 fleet is a top priority to maintaining U.S. military air superiority.

In moving forward it is imperative that this third competition be conducted in a fair and transparent manner. The OSD must correct the errors made in the prior competition and provide a request for proposal [RFP] consistent with the requirements approved by the Joint Requirements Oversight Council. An amended RFP should neither prevent offerors from submitting proposals nor provide an unfair advantage to one platform over another. Any new competition must be firmly grounded in the requirements documents for this long needed tanker.

Due to the delay in the contract award, the Committee recommends $356,759,000 for the tanker program, a reduction of $475,000,000 to the fiscal year 2009 request. The remaining amount provides funding to cover the first two quarters of work that the Air Force had planned to execute on the tanker program. The Committee has transferred this funding from the research, development, test and evaluation account to the Tanker Transfer Fund as requested by the Secretary of Defense.

Space Based Space Surveillance System.—The Committee supports ongoing Air Force efforts to improve space situational awareness, including the Space Based Space Surveillance [SBSS] system. SBSS will replace the Space-Based Visible sensor with a capability that will significantly improve the ability to search, detect and track objects in geosynchronous orbit. In addition, the objective SBSS system includes follow-on satellites to provide simultaneous, worldwide space surveillance in order to observe smaller objects, improve the revisit rate of objects and to provide near real-time communication. The fiscal year 2009 budget request includes $7,600,000 to begin development of a second SBSS spacecraft. The Committee directs that this funding be used to initiate risk reduction efforts and procure long-lead items for the second spacecraft in order to avoid a gap in SSA space capabilities.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE

Appropriations, 2008	$20,790,634,000
Budget estimate, 2009	21,499,229,000
Committee recommendation	20,778,185,000

The Committee recommends an appropriation of $20,778,185,000. This is $721,044,000 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVAL, DEFENSE-WIDE			
	BASIC RESEARCH			
1	DTRA UNIVERSITY STRATEGIC PARTNERSHIP BASIC RESEARCH	18,000	21,000	+3,000
2	DEFENSE RESEARCH SCIENCES	195,657	197,157	+1,500
4	DEFENSE EXPERIMENTAL PROGRAM TO STIMULATE COMPETITIVE	2,833	2,833	
5	NATIONAL DEFENSE EDUCATION PROGRAM	68,972	68,972	
6	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	53,191	64,191	+11,000
	TOTAL, BASIC RESEARCH	338,653	354,153	+15,500
	APPLIED RESEARCH			
7	INSENSITIVE MUNITIONS—EXPLORATORY DEVELOPMENT	15,254	15,254	
9	HISTORICALLY BLACK COLLEGES & UNIV (HBCU) SCIENCE	15,156	18,156	+3,000
10	LINCOLN LABORATORY RESEARCH PROGRAM	31,340	31,340	
11	INFORMATION AND COMMUNICATIONS TECHNOLOGY	254,009	239,866	−14,143
12	COGNITIVE COMPUTING SYSTEMS	145,262	145,262	
13	BIOLOGICAL WARFARE DEFENSE	66,291	66,291	
14	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	203,731	215,231	+11,500
15	HUMAN, SOCIAL AND CULTURE BEHAVIOR MODELING (HSCB) APP	7,685	7,685	
16	TACTICAL TECHNOLOGY	371,481	331,732	−39,749
17	MATERIALS AND BIOLOGICAL TECHNOLOGY	285,264	295,764	+10,500
19	ELECTRONICS TECHNOLOGY	211,457	179,083	−32,374
21	WEAPONS OF MASS DESTRUCTION DEFEAT TECHNOLOGIES	211,078	213,078	+2,000
23	SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT	23,104	30,104	+7,000
24	SOF MEDICAL TECHNOLOGY DEVELOPMENT	2,459	2,459	
	TOTAL, APPLIED RESEARCH	1,843,571	1,791,305	−52,266
	ADVANCED TECHNOLOGY DEVELOPMENT			
25	INSENSITIVE MUNITIONS—ADVANCED DEVELOPMENT	15,970	9,970	−6,000
26	SO/LIC ADVANCED DEVELOPMENT	32,832	33,832	+1,000
27	COMBATING TERRORISM TECHNOLOGY SUPPORT	79,970	95,770	+15,800
28	COUNTERPROLIFERATION INITIATIVES—PROLIF PREV & DEFEAT	211,325	211,325	
29	BALLISTIC MISSILE DEFENSE TECHNOLOGY	118,718	123,718	+5,000
30	JOINT DOD–DOE MUNITIONS TECHNOLOGY DEVELOPMENT	23,727	23,727	
31	ADVANCED AEROSPACE SYSTEMS	107,857	79,057	−28,800
32	SPACE PROGRAMS AND TECHNOLOGY	287,009	220,209	−66,800
33	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEV	337,927	304,127	−33,800
34	JOINT ELECTRONIC ADVANCED TECHNOLOGY	9,320	9,320	
35	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS	206,337	207,807	+1,470
36	NETWORKED COMMUNICATIONS CAPABILITIES	39,923	29,923	−10,000
37	BIOMETRICS SCIENCE AND TECHNOLOGY	10,579	10,579	
38	HUMAN, SOCIAL AND CULTURE BEHAVIOR MODELING (HSCB) ADV	9,381	9,381	

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
39	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROG	11,981	19,981	+8,000
40	JOINT ROBOTICS PROGRAM/AUTONOMOUS SYSTEMS	8,449	8,449	.....
41	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS	19,375	40,875	+21,500
42	DEPLOYMENT AND DISTRIBUTION ENTERPRISE TECHNOLOGY	30,000	30,000	.....
43	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM	69,038	69,038	.....
44	MICROELECTRONIC TECHNOLOGY DEVELOPMENT AND SUPPORT	.....	20,000	+20,000
45	JOINT WARFIGHTING PROGRAM	11,098	11,098	.....
46	ADVANCED ELECTRONICS TECHNOLOGIES	201,146	169,621	−31,525
47	SYNTHETIC APERTURE RADAR (SAR) COHERENT CHANGE DETECT	7,984	7,984	.....
49	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	208,079	220,179	+12,100
50	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	338,964	296,252	−42,712
52	CLASSIFIED DARPA PROGRAMS	196,697	196,697	.....
53	NETWORK—CENTRIC WARFARE TECHNOLOGY	156,733	154,433	−2,300
54	SENSOR TECHNOLOGY	226,470	218,070	−8,400
55	GUIDANCE TECHNOLOGY	110,572	108,272	−2,300
56	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT	13,538	13,538	.....
57	SOFTWARE ENGINEERING INSTITUTE	31,244	31,244	.....
59	QUICK REACTION SPECIAL PROJECTS	113,924	108,085	−5,839
60	JOINT EXPERIMENTATION	114,947	107,947	−7,000
61	JOINT WARGAMING SIMULATION MANAGEMENT OFFICE	38,147	28,147	−10,000
62	TEST & EVALUATION SCIENCE & TECHNOLOGY	94,672	94,672	.....
63	TECHNOLOGY LINK	2,170	4,170	+2,000
64	SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT	28,930	32,430	+3,500
65	SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT	10,990	10,990	.....
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	3,536,023	3,370,917	−165,106
	DEMONSTRATION & VALIDATION			
66	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT	38,758	49,758	+11,000
68	RETRACT LARCH	22,945	22,945	.....
69	JOINT ROBOTICS PROGRAM	11,847	11,847	.....
70	ADVANCE SENSOR APPLICATIONS PROGRAM	.....	20,000	+20,000
71	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	31,600	31,600	.....
72	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	1,019,073	959,973	−59,100
73	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT	2,076,662	1,589,962	−486,700
73a	TWO STAGE INTERCEPTOR SEGMENT	.....	363,250	+363,250
73b	EUROPEAN MIDCOURSE RADAR	.....	76,800	+76,800
73c	EUROPEAN GLOBAL ENGAGEMENT MANGER/U.S. COMMUNICATIONS	.....	27,100	+27,100
74	BALLISTIC MISSILE DEFENSE BOOST DEFENSE SEGMENT	421,229	388,429	−32,800
75	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	51,291	59,291	+8,000
76	BALLISTIC MISSILE DEFENSE SENSORS	1,076,983	786,664	−290,319
77	BALLISTIC MISSILE DEFENSE SYSTEM INTERCEPTOR	386,817	286,817	−100,000
78	BALLISTIC MISSILE DEFENSE TEST & TARGETS	665,445	886,845	+221,400
79	BALLISTIC MISSILE DEFENSE SYSTEMS CORE	432,262	402,262	−30,000
80	SPECIAL PROGRAMS—MDA	288,315	188,315	−100,000
81	AEGIS BMD	1,157,783	1,168,583	+10,800
82	SPACE SURVEILLANCE & TRACKING SYSTEM	242,441	214,641	−27,800
83	MULTIPLE KILL VEHICLES	354,455	268,455	−86,000
84	BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS	29,771	24,771	−5,000
85	BALLISTIC MISSILE DEFENSE C2BMC	289,277	182,645	−106,632
86	BALLISTIC MISSILE DEFENSE HERCULES	55,955	55,955	.....
87	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT	69,982	69,982	.....
88	BALLISTIC MISSILE DEFENSE JOINT NATIONAL INTERGRATION	96,404	106,404	+10,000
90	REGARDING TRENCH	2,978	2,978	.....
91	SEA BASED X-BAND RADAR (SBX)	.....	147,400	+147,400
92	HUMANITARIAN DEMINING	14,373	14,373	.....
93	COALITION WARFARE	14,030	13,319	−711

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
94	DEPARTMENT OF DEFENSE CORROSION PROGRAM	5,102	19,602	+14,500
95	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS	14,962	9,962	−5,000
96	HUMAN, SOCIAL AND CULTURE BEHAVIOR MODELING (HSCB) RES	5,991	5,991	
97	JOINT SYSTEMS INTEGRATION COMMAND (JSIC)	19,643	19,643	
98	JOINT FIRES INTEGRATION & INTEROPERABILITY TEAM	16,906	16,906	
99	REDUCTION OF TOTAL OWNERSHIP COST	24,765	24,765	
100	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM	3,524	5,524	+2,000
	TOTAL, DEMONSTRATION & VALIDATION	8,941,569	8,523,757	−417,812
101	DEFENSE ACQUISITION CHALLENGE PROGRAM (DACP)	30,363	28,566	−1,797
102	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT	4,355	4,355	
103	PROMPT GLOBAL STRIKE	117,572	74,572	−43,000
	ENGINEERING & MANUFACTURING DEVELOPMENT			
104	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	299,373	301,373	+2,000
105	JOINT ROBOTICS PROGRAM	5,725	5,725	
106	ADVANCED IT SERVICES JOINT PROGRAM OFFICE (AITS–JPO)	13,770	13,770	
107	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	20,600	20,600	
108	WEAPONS OF MASS DESTRUCTION DEFEAT CAPABILITIES	15,946	15,946	
109	INFORMATION TECHNOLOGY DEVELOPMENT	11,611	11,611	
110	DEFENSE INTEGRATED MILITARY HUMAN RESOURCES SYSTEM	37,400	37,400	
111	BUSINESS TRANSFORMATION AGENCY R&D ACTIVITIES	148,958	148,958	
112	HOMELAND PERSONNEL SECURITY INITIATIVE	400	400	
113	TRUSTED FOUNDRY	42,360	42,360	
114	DEFENSE ACQUISITION EXECUTIVE (DAE) PILOT PROGRAM	5,883	5,883	
116	GLOBAL COMBAT SUPPORT SYSTEM	18,604	18,604	
117	JOINT COMMAND AND CONTROL PROGRAM (JC2)	147,339	57,339	−90,000
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	920,259	787,462	−132,797
	RDT&E MANAGEMENT SUPPORT			
118	TRAINING TRANSFORMATION (T2)	38,729	59,229	+20,500
119	DEFENSE READINESS REPORTING SYSTEM (DRRS)	11,385	11,385	
120	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT	14,310	14,310	
121	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT	133,852	148,852	+15,000
122	THERMAL VICAR	9,658	9,658	
123	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC)	8,834	8,834	
124	TECHNICAL STUDIES, SUPPORT AND ANALYSIS	34,520	35,520	+1,000
125	USD(A&T)—CRITICAL TECHNOLOGY SUPPORT	4,007	4,007	
126	FOREIGN MATERIAL ACQUISITION AND EXPLOITATION	62,816	62,816	
127	JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION	55,282	55,282	
128	CLASSIFIED PROGRAM USD(P)		103,700	+103,700
129	FOREIGN COMPARATIVE TESTING	34,910	34,910	
130	NUCLEAR MATTERS—PHYSICAL SECURITY	4,475	4,475	
131	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION	14,723	14,723	
132	GENERAL SUPPORT TO USD (INTELLIGENCE)	4,379	4,379	
133	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	100,082	100,082	
139	SMALL BUSINESS INNOVATION RESEARCH/CHALLENGE ADMINISTR	2,165	4,165	+2,000
140	DEFENSE TECHNOLOGY ANALYSIS	11,040	11,040	
142	FORCE TRANSFORMATION DIRECTORATE	20,701	9,701	−11,000
143	DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	52,696	52,696	
144	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING & EVALUATION	25,435	12,735	−12,700
145	DEVELOPMENT TEST AND EVALUATION	20,396	21,396	+1,000
146	DARPA AGENCY RELOCATION	28,000	28,000	
147	MANAGEMENT HEADQUARTERS (RESEARCH & DEVELOPMENT)	52,700	48,700	−4,000
148	BUDGET AND PROGRAM ASSESSMENTS	5,878	5,878	
151	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES	30,039	36,439	+6,400
152	INFORMATION TECHNOLOGY RAPID ACQUISITION	5,254	5,254	
153	CYBER SECURITY INITIATIVE	50,000	50,000	

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
154	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)	17,625	17,625	.....
155	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS(IO) (NSA)	.....	1,500	+1,500
156	WARFIGHTING AND INTELLIGENCE-RELATED SUPPORT	831	831	.....
157	PENTAGON RESERVATION	19,734	19,734	.....
158	MANAGEMENT HEADQUARTERS—MDA	86,453	81,453	−5,000
159	IT SOFTWARE DEV INITIATIVES	599	599	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	961,508	1,079,908	+118,400
	OPERATIONAL SYSTEMS DEVELOPMENT			
160	DEFENSE INFORMATION SYSTEM FOR SECURITY (DISS)	11,533	5,533	−6,000
161	PARTNERSHIP FOR PEACE (PFP) INFORMATION MANAGEMENT SYS	2,496	2,496	.....
162	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS D	10,274	13,274	+3,000
163	JOINT INTEGRATION AND INTEROPERABILITY	49,371	49,371	.....
164	JOINT STAFF ANALYTICAL SUPPORT	8,030	8,030	.....
165	CLASSIFIED PROGRAMS	1,728	1,728	.....
166	C4I INTEROPERABILITY	76,226	76,226	.....
167	CRYPTOLOGIC ACTIVITIES	.....	4,000	+4,000
168	JOINT/ALLIED COALITION INFORMATION SHARING	19,073	19,073	.....
177	NATIONAL MILITARY COMMAND SYSTEM-WIDE SUPPORT	615	615	.....
178	DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATION	16,054	16,054	.....
179	LONG HAUL COMMUNICATIONS (DCS)	8,508	8,508	.....
180	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK	9,685	9,685	.....
181	PUBLIC KEY INFRASTRUCTURE (PKI)	15,577	15,577	.....
182	KEY MANAGEMENT INFRASTRUCTURE (KMI)	49,578	49,578	.....
183	INFORMATION SYSTEMS SECURITY PROGRAM	13,459	13,459	.....
184	INFORMATION SYSTEMS SECURITY PROGRAM	394,074	403,474	+9,400
186	DISA MISSION SUPPORT OPERATIONS	2,181	2,181	.....
187	C4I FOR THE WARRIOR	3,662	3,662	.....
189	GLOBAL COMMAND AND CONTROL SYSTEM	36,374	36,374	.....
190	JOINT SPECTRUM CENTER	19,319	19,319	.....
191	NET-CENTRIC ENTERPRISE SERVICES (NCES)	429	429	.....
192	TELEPORT PROGRAM	2,060	2,060	.....
193	SPECIAL APPLICATIONS FOR CONTINGENCIES	16,225	16,225	.....
195	DEFENSE GEOSPATIAL—INTELLIGENCE	.....	2,000	+2,000
196	CYBER SECURITY INITIATIVE	1,000	1,000	.....
198	CYBER SECURITY INITIATIVE	12,800	12,800	.....
199	CRITICAL INFRASTRUCTURE PROTECTION (CIP)	12,700	17,700	+5,000
201	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	2,947	2,947	.....
203	POLICY R&D PROGRAMS	8,237	8,237	.....
206	NET CENTRICITY	12,716	12,716	.....
210	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	3,165	765	−2,400
213	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	3,227	3,227	.....
215	MQ–1 PREDATOR A UAV	13,679	13,679	.....
218	COMBATANT COMMAND INTELLIGENCE OPERATIONS	.....	13,600	+13,600
225	INDUSTRIAL PREPAREDNESS	20,480	44,480	+24,000
226	LOGISTICS SUPPORT ACTIVITIES	2,846	2,846	.....
227	MANAGEMENT HEADQUARTERS (JCS)	3,401	3,401	.....
228	NATO JOINT STARS	27,756	27,756	.....
231	SPECIAL OPERATIONS AVIATION SYSTEMS ADVANCED DEV	43,977	43,977	.....
232	SPECIAL OPERATIONS TACTICAL SYSTEMS DEVELOPMENT	13,263	16,163	+2,900
233	SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT	39,125	43,574	+4,449
234	SOF OPERATIONAL ENHANCEMENTS	48,137	51,137	+3,000
235	SPECIAL OPERATIONS CV–22 DEVELOPMENT	38,229	40,229	+2,000
237	OPS ADVANCED SEAL DELIVERY SYSTEM (ASDS) DEVELOPMENT	7,090	9,090	+2,000
238	MISSION TRAINING AND PREPARATION SYSTEMS (MTPS)	4,052	4,052	.....
239	UNMANNED VEHICLES (UV)	1,527	1,527	.....
240	MC130J SOF TANKER RECAPITALIZATION	4,659	4,659	.....

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
241	SOF WEAPONS SYSTEMS	2,759	2,759	
242	SOF SOLDIER PROTECTION AND SURVIVAL SYSTEMS	3,190	3,190	
243	SOF VISUAL AUGMENTATION, LASERS & SENSOR SYSTEMS	3,495	1,995	−1,500
244	SOF ROTARY WING AVIATION	3,822	1,822	−2,000
245	SOF UNDERWATER SYSTEMS	3,142	3,142	
246	SOF SURFACE CRAFT	5,206	5,206	
247	SOF PSYOP	15,554	15,554	
248	SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES	14,686	14,686	
249	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE	8,729	8,729	
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	1,152,127	1,215,576	+63,449
999	CLASSIFIED PROGRAMS	3,805,519	3,655,107	−150,412
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, DEF-WIDE	21,499,229	20,778,185	−721,044

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
1	DTRA Basic Research Initiative	18,000	21,000	+3,000
	University Strategic Partnership			+3,000
2	Defense Research Sciences	195,657	197,157	+1,500
	Reduction to fiscal year 2009 new starts			−4,000
	Advanced Materials Research Institute			+3,000
	Institute for Information Security			+2,500
6	Chemical and Biological Defense Program	53,191	64,191	+11,000
	DNA Safeguard			+1,500
	In Vitro Models for Biodefense Vaccines			+1,000
	Protection from Oxidative Stress			+2,000
	Superstructural Particle Evaluation and Characterization with Targeted Reaction Analysis (SPECTRA)			+1,500
	UCLA High Speed, High Volume Laboratory Network			+4,000
	Vaccine Development Program			+1,000
9	Historically Black Colleges and Universities (HBCU) Science	15,156	18,156	+3,000
	Instrumentation Program for Tribal Colleges			+3,000
11	Information & Communications Technology	254,009	239,866	−14,143
	Reduction to fiscal year 2009 new starts			−7,900
	Rephasing of fiscal year 2008 new start			−8,243
	Document Analysis and Exploitation			+2,000
14	Chemical and Biological Defense Program	203,731	215,231	+11,500
	TMTI—Reduction to new starts			−7,000
	Antibody-Based Therapeutic Against Smallpox			+1,000
	Chemical/Biological Infrared Detection System			+1,500
	Contaminated Human Remains Pouch			+2,000
	HyperAcute Vaccine Development			+2,000
	Multivalent Marburg, Ebola Filovirus Vaccine Program			+3,500
	Novel System for Developing Therapeutics Against Botulism			+5,000
	Research on a Molecular Approach to Hazardous Materials Decontamination			+1,500
	Ultra-rapid Next Generation Pathogen identification			+2,000
16	Tactical Technology	371,481	331,732	−39,749
	Reduction to fiscal year 2009 new starts			−13,700
	Rephasing of fiscal year 2008 new starts			−36,049

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	CEROS			+10,000
17	Materials and Biological Technology	285,264	295,764	+10,500
	Strategic Materials and Silicon Carbide Optics			+5,500
	Synthethic Fuel Innovation			+5,000
19	Electronics Technology	211,457	179,083	−32,374
	Reduction to fiscal year 2009 new starts			−27,800
	Rephasing of fiscal year 2008 new starts			−6,374
	3–D Technology for Advanced Sensor Systems			+1,500
	Secure Media and ID Card Development			+300
21	Weapons of Mass Destruction Defeat Technologies	211,078	213,078	+2,000
	Comprehensive National Incident Management System			+2,000
23	Special Operations Technology Development	23,104	30,104	+7,000
	Extended-Lifetime Radioisotope Batteries			+1,000
	Flashlight Soldier-to-Soldier Combat Identification System (FSCIS)			+2,000
	Foliage Penetrating Reconnaissance and Surveillance System			+4,000
25	Insensitive Munitions—Advanced Development	15,970	9,970	−6,000
	Excessive growth			−6,000
26	SO/LIC Advanced Development	32,832	33,832	+1,000
	Long-range Tagging and Locating System			+1,000
27	Combating Terrorism Technology Support	79,970	95,770	+15,800
	BOPPER (Bioterrorism Operations Policy for Public Emergency Response)			+1,500
	Document and Media Search and Discovery (DMSD)			+1,800
	Ex-RAD Radiation Protection Program			+5,000
	Full Scale Impact and Blast Loading Laboratory Testing Program			+2,000
	Remote Sensor Network Services Platform			+2,500
	Robotic Mobility Platform System			+1,500
	Unmanned Aerial Vehicle Avionics Upgrade (UAVAU)			+1,500
29	Ballistic Missile Defense Technology	118,718	123,718	+5,000
	Multiple Target Tracking Optical Sensor Array Technology			+5,000
31	Advanced Aerospace Systems	107,857	79,057	−28,800
	Reduction to fiscal year 2009 new starts			−3,800
	Unexecutable growth			−25,000
32	Space Programs and Technology	287,009	220,209	−66,800
	Reduction to fiscal year 2009 new starts			−3,800
	Unexecutable growth			−10,000
	Blackswift program adjustment			−40,000
	Rephasing of fiscal year 2008 new starts			−13,000
33	Chemical and Biological Defense Program—Advanced Development	337,927	304,127	−33,800
	TMTI—Reduction to new starts			−63,000
	Acinetobacter Baumannii Research			+2,000
	Advanced Development of Mobile Rapid Response Prototypes			+2,000
	Biodefense Vaccine Development and Engineering of Antiviral Peptides			+2,000
	Center for Advanced Emergency Response			+4,400
	Eye-Safe Long-Range Stand-off System for Detection of Chemical and Biological Weapons			+1,500
	Improved Chemical, Biological, and Radiological Filters			+2,000
	Multi-Purpose Biodefense Immunoarray			+1,000
	NIDS Improved Handheld Biological Agent Detector			+2,000
	Plant Vaccine Development			+2,000
	Portable Rapid Bacterial Warfare Detection Unit			+4,300
	Rapid Response Database Systems Initiative			+4,000
	ViriChip Rapid Virus Detection Systems			+2,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
35	Joint Capability Technology Demonstrations	206,337	207,807	+1,470
	Reduction to execution year new starts			−5,830
	Maritime UAS Demonstration for the SOUTHCOM Region			+3,000
	Simultaneous Field Radiation Technology (SFRT)			+2,300
	Spartan Advanced Composite Technology			+2,000
36	Networked Communications Capabilities	39,923	29,923	−10,000
	Unsustained growth			−10,000
39	Defense-Wide Manufacturing Science and Technology Program	11,981	19,981	+8,000
	High Performance Manufacturing Technology Initiative			+8,000
41	Generic Logistics R&D Technology Demonstrations	19,375	40,875	+21,500
	Advanced Mobile Microgrid			+1,000
	Biofuels Program			+2,000
	Commodity Management System Consolidation program			+2,000
	Continuous Acquisition and Life-Cycle (CALS) and Integrated Data Environment and Defense Logistics Enterprise Services Program			+4,000
	Defense Fuelcell Locomotive			+2,500
	Emerging Critical Interconnection Tech			+2,000
	Vehicle Fuel Cell and Hydrogen Logistics Program			+8,000
44	Microelectronics Technology Development and Support		20,000	+20,000
	C-Scout Container Security System			+3,000
	Electronics and Materials for Flexible Sensors and Transponders (EMFST)			+4,000
	High Performance Tunable Materials			+3,000
	Smart Bomb Millimeter Wave Radar Guidance System			+2,000
	Superlattice Nanotechnology			+2,000
	Tunable MicroRadio for Military Systems			+6,000
46	Advanced Electronics Technologies	201,146	169,621	−31,525
	Reduction to fiscal year 2009 new starts			−14,900
	Rephasing of fiscal year 2008 new starts			−27,625
	Center for Autonomous Solar Power (CASP) large-area, flexible PV energy research			+2,000
	Institute of Advanced Flexible Manufacturing Systems			+7,000
	Ultra Low Power Electronics for Special Purpose Computers			+2,000
49	High Performance Computing Modernization Program	208,079	220,179	+12,100
	Arctic Regional Supercomputer			+4,000
	High Performance Computational Design of Novel Materials			+3,100
	MHPCC			+5,000
50	Command, Control and Communications Systems	338,964	296,252	−42,712
	Reduction to fiscal year 2009 new starts			−1,000
	Unexecutable growth			−35,000
	Rephasing of fiscal year 2008 new starts			−6,712
53	Network-Centric Warfare Technology	156,733	154,433	−2,300
	Reduction to fiscal year 2009 new starts			−2,300
54	Sensor Technology	226,470	218,070	−8,400
	Reduction to fiscal year 2009 new starts			−8,400
55	Guidance Technology	110,572	108,272	−2,300
	Reduction to fiscal year 2009 new starts			−2,300
59	Quick Reaction Special Projects	113,924	108,085	−5,839
	Reduction to execution year new starts			−9,339
	Augmented Reality to enhance Special Warfare Domain Awareness			+2,000
	Unmanned Aerial Vehicles			+1,500
60	Joint Experimentation	114,947	107,947	−7,000
	Program adjustment			−7,000
61	Joint Wargaming Simulation Management Office	38,147	28,147	−10,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Program adjustment			−10,000
63	Technology Transfer	2,170	4,170	+2,000
	MilTech Expansion Program			+2,000
64	Special Operations Advanced Technology Development	28,930	32,430	+3,500
	Autonomous Rendezvous/Formation Flight			+2,500
	Small Assault Vehicle Expeditionary (SAVE)			+1,000
66	Nuclear and Conventional Physical Security Equipment RDT&E ADC&P	38,758	49,758	+11,000
	Camp Guernsey Joint Training and Experimentation Center			+6,000
	Intelligent Decision Exploration			+4,000
	Pacific Data Conversion and Technology Program			+1,000
70	Advanced Sensor Applications Program		20,000	+20,000
	Program adjustment			+20,000
72	Ballistic Missile Defense Terminal Defense Segment	1,019,073	959,973	−59,100
	Target funding transfer to Line 78			−52,100
	Short-range ballistic missile defense			+28,000
	THAAD long lead for Fire Units 3 & 4 (Transfer to PDW, Line 46A)			−65,000
	Upper-tier program			+30,000
73	Ballistic Missile Defense Midcourse Defense Segment	2,076,662	1,589,962	−486,700
	Target funding transfer to Line 78			−104,000
	GMD upgrades and enhancements			+50,000
	Two-Stage Interceptor Development—Transfer to Line 73A			−182,900
	Long lead for two-Stage Interceptors (EIS)—Transfer to Line 73A			−19,200
	Missile Field Equipment and Supporting Activities (EIS)—Transfer to Line 73A			−165,100
	Site Planning/Design/Activation (EIS)—Transfer to Line 73A			−65,500
73A	Two-stage Interceptor Segment		363,250	+363,250
	2-Stage Interceptor Development—Transfer from Line 73			+182,900
	Long lead for Two-Stage Interceptors (EIS)—Transfer from Line 73			+19,200
	Missile Field Equipment and Supporting Activities (EIS)—Transfer from Line 73			+82,550
	Site Planning/Design/Activation (EIS)—Transfer from Line 73			+65,500
	Communications (EIS)—Transfer from Line 85			+13,100
73B	European Midcourse Radar		76,800	+76,800
	Sensor Equipment—Transfer from Line 76			+44,900
	Site Planning/Design/Activation—Transfer from Line 76			+15,800
	Communications—Transfer from Line 76			+16,100
73C	European Global Engagement Manager/U.S. Communications		27,100	+27,100
	Global Engagement Manager—Transfer from Line 85			+16,700
	U.S. Communications—Transfer from Line 85			+10,400
74	Ballistic Missile Defense Boost Defense Segment	421,229	388,429	−32,800
	Target funding transfer to Line 78			−3,300
	Program reduction			−29,500
75	Chemical and Biological Defense Program	51,291	59,291	+8,000
	Reactive Overlay and Removable CBRN Coatings			+2,000
	Recombinant BChE Formulation Program			+2,000
	Vacuum Sampling Pathogen Collection and Concentration			+4,000
76	Ballistic Missile Defense Sensors	1,076,983	786,664	−290,319
	Transfer to SBX Line 91			−147,400
	External Sensors Lab—program growth			−10,000
	Sensor Equipment (EMR)—Transfer to Line 73B			−59,900

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	Site Planning/Design/Activation (EMR)—Transfer to Line 73B			−15,800
	Communications (EMR)—Transfer to Line 73B			−22,100
	AN–TPY–2 Equipment (European Forward Based Radar)—premature request			−39,119
	Mobile Sensor Enhancement to BMD Sensors Network			+4,000
77	Ballistic Missile Defense System Interceptor	386,817	286,817	−100,000
	Program growth			−100,000
78	Ballistic Missile Defense Test & Targets	665,445	886,845	+221,400
	Transfer from Line 72			+52,100
	Transfer from Line 73			+104,000
	Transfer from Line 74			+3,300
	Transfer from Line 81			+39,200
	Transfer from Line 82			+2,800
	Test and Training Range Upgrades			+20,000
79	Ballistic Missile Defense Systems Core	432,262	402,262	−30,000
	BMD systems core			−30,000
80	Special Programs—MDA	288,315	188,315	−100,000
	MDA special programs			−100,000
81	AEGIS BMD	1,157,783	1,168,583	+10,800
	Target funding transfer to Line 78			−39,200
	Aegis BMD enhancements			+50,000
82	Space Tracking & Surveillance System	242,441	214,641	−27,800
	Target funding transfer to Line 78			−2,800
	Premature funding request			−25,000
83	Multiple Kill Vehicle	354,455	268,455	−86,000
	Program growth for MKV–R			−66,000
	Program growth			−20,000
84	Ballistic Missile Defense System Space Programs	29,771	24,771	−5,000
	Space-based Interceptor Study			+5,000
	Space test bed			−10,000
85	Ballistic Missile Defense Command and Control, Battle Management, and Communication	289,277	182,645	−106,632
	Communications (EIS)—Transfer to Line 73A			−26,200
	Communications (EMR)—Transfer to Line 73B			−22,100
	Communications (European Forward Based Radar—AN/TPY–2)—premature request			−17,232
	European Global Engagement Manager—Transfer to Line 73C			−26,700
	U.S. Communications for European Sites—Transfer to Line 73C			−14,400
88	Missile Defense Integration & Operations Center (MDIOC)	96,404	106,404	+10,000
	MDIOC Modeling and Simulation			+10,000
91	Sea Based X-Band Radar (SBX)		147,400	+147,400
	Transfer from Line 76			+147,400
93	Coalition Warfare	14,030	13,319	−711
	Reduction to execution year new starts			−711
94	Department of Defense Corrosion Program	5,102	19,602	+14,500
	Department of Defense Corrosion Program			+12,000
	Managing and Extending DoD Asset Lifecycles			+2,500
95	Joint Capability Technology Demonstrations	14,962	9,962	−5,000
	Program adjustment for lack of transitions			−5,000
100	Joint Electromagnetic Technology (JET) Program	3,524	5,524	+2,000
	Secure, Miniaturized, Free Space, Optical Communications			+2,000
101	Defense Acquisition Challenge Program (DACP)	30,363	28,566	−1,797
	Reduction to execution year new starts			−1,797
103	Prompt Global Strike Capability Development	117,572	74,572	−43,000
	Alternative Re-Entry System			−43,000
104	Chemical and Biological Defense Program	299,373	301,373	+2,000
	Joint Services Aircrew Mask Don/Doff In-flight Upgrade			+2,000

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
117	Joint Command and Control Program (JC2)	147,339	57,339	−90,000
	NECC			−90,000
118	Training Transformation (T2)	38,729	59,229	+20,500
	Agile Software Capability Interventions			+2,000
	Indiana Complex Operations Partnership			+2,500
	New Mexico State University Institute for Defense and Public Policy			+10,000
	Playas Training and Research Center Joint Training Experiment			+6,000
121	Central Test and Evaluation Investment Development (CTEIP)	133,852	148,852	+15,000
	Advanced SAM Hardware Simulator Development			+5,000
	Pacific Region Interoperability Test and Evaluation Capability			+3,000
	Range Element-Network Enterprise Tech (RE–NET)			+2,000
	UAV Systems and Operations Validation Program			+5,000
124	Technical Studies, Support and Analysis	34,520	35,520	+1,000
	Defense Support to Large Scale Disaster Preparedness			+1,000
128	Classified Program USD(P)		103,700	+103,700
	Classified adjustment			+103,700
139	Small Business Innovation Research/Challenge Administration	2,165	4,165	+2,000
	Random Obfuscating Compiler Anti-Tamper Software			+2,000
142	Force Transformation Directorate	20,701	9,701	−11,000
	Reduction to new starts			−11,000
144	R&D in Support of DoD Enlistment, Testing, and Evaluation	25,435	12,735	−12,700
	HR Automation Enhancements—unjustified program			−12,700
145	Development Test and Evaluation	20,396	21,396	+1,000
	Renewable Fuel Systems (RFS) for Defense Applications			+1,000
147	Management HQ—R&D	52,700	48,700	−4,000
	Unexecutable growth			−4,000
151	Support to Information Operations (IO) Capabilities	30,039	36,439	+6,400
	Enhanced Simulation for IO Capabilities			+6,400
155	Intelligence Support to Information Operations (IO)		1,500	+1,500
	Advanced Information Discovery and Analysis Capability for NSA			+1,500
158	Management HQ—MDA	86,453	81,453	−5,000
	Management support			−5,000
160	Defense Information System for Security (DISS)	11,533	5,533	−6,000
	Execution delays			−6,000
162	Chemical and Biological Defense (Operational Systems Development)	10,274	13,274	+3,000
	Next Generation Respiratory Protection			+3,000
167	Cryptologic Activities		4,000	+4,000
	National Biometrics Security Project			+4,000
184	Information Systems Security Program	394,074	403,474	+9,400
	High Assurance Cross Domain Solutions for High Performance Computing Center Net-Centric Operations			+2,500
	Intelligence Analyst Education and Training			+3,900
	Security for Critical Communication Networks			+3,000
195	Defense—Geospatial—Intelligence Program		2,000	+2,000
	Commercial Denied Area Radargrammetry Mapping			+1,000
	Improved Commercial Integration (ICI)			+1,000
199	Critical Infrastructure Protection (CIP)	12,700	17,700	+5,000
	Disaster Response: Communications and Other Infrastructure Restoration			+5,000
210	Distributed Common Ground/Surface Systems	3,165	765	−2,400
	Excess to need			−2,400

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
218	Combatant Command Intelligence Operations		13,600	+13,600
	Advanced Missile Simulation Technology for Intelligence Analysts			+1,600
	All-Source Content Management (ASCMAN) for Actionable Intelligence			+2,000
	Armed Forces Health and Food Supply Research			+5,000
	National Consortium for MASINT Research			+3,000
	Pat Roberts Intel Scholars Program (PRISP)			+2,000
225	Industrial Preparedness	20,480	44,480	+24,000
	Industrial Base Innovation Fund			+24,000
232	Special Operations Tactical Systems Development	13,263	16,163	+2,900
	Integration of Force XXI Battle Command, Brigade & Below (FBCB2) with Tactical Handheld Digital Devices (THDD)			+1,500
	Weapons Shot Counter			+1,400
233	Special Operations Intelligence Systems Development	39,125	43,574	+4,449
	GSN program delays			−9,051
	Advanced Long Endurance Unattended Ground Sensor Technologies			+4,500
	Advanced Tactical Threat Warning Radio (ATTWR)			+1,500
	Biometric Signatures Research			+2,000
	Multi-Spectral Laboratory (UML) and Analytical Services Center (ASCENT) Program			+2,000
	Picoceptor and Processor for Man-portable Threat Warning			+3,500
234	SOF Operational Enhancements	48,137	51,137	+3,000
	Signal Intelligence and Electronic Warfare Developments for Integration of SOF Systems			+2,000
	Communications-Capable Reconnaissance Imager			+1,000
235	Special Operations CV–22 Development	38,229	40,229	+2,000
	CV–22 Helmet Mounted Display			+2,000
237	Operations Advanced Seal Delivery System (ASDS) Development	7,090	9,090	+2,000
	Lithium Ion Battery Safety Detection and Control of Impending Catastrophic Failures			+2,000
243	SOF Visual Augmentation, Lasers and Sensor Systems	3,495	1,995	−1,500
	Program adjustment			−1,500
244	SOF Rotary Wing Aviation	3,822	1,822	−2,000
	MH–6 IES program delays			−2,000
XXX	Classified Programs	3,805,519	3,655,107	−150,412

Defense Advanced Research Projects Agency [DARPA].—The fiscal year 2009 budget request for DARPA is $3,285,569,000, an increase of $326,493,000, more than 10 percent, over the fiscal year 2008 appropriated program of $2,959,076,000. The Committee notes that in recent years, DARPA has repeatedly underexecuted its funded program, executing a fiscal year 2005 program that was 9 percent below the appropriated program and a fiscal year 2006 program that was 12 percent below the appropriated program. Based on program execution to date, DARPA will likely continue that trend for the appropriated fiscal year 2007 and 2008 programs. While DARPA's continuous underexecution can be partially explained by its fiscally responsible management approach of withholding from projects that fail to demonstrate progress, the Committee has doubts about DARPA's ability to responsibly manage such a significant program increase as requested. Therefore, the Committee reduces the fiscal year 2009 budget request accordingly. The Committee recommendation of $3,024,466,000 provides an increase of $65,390,000 over the fiscal year 2008 appropriated program. The

Committee's recommendations are delineated in the detailed table accompanying this section and are based on delays in the initiation of fiscal year 2008 new start programs; provision of level funding for new starts in fiscal year 2009 relative to the executing fiscal year 2008 new start program; and the denial of growth requested for programs that consistently underexecute or are unjustified at this time.

In congressional reports 109–676 and 110–155 accompanying the fiscal year 2007 and 2008 Department of Defense Appropriations Acts, the Committee expressed concern regarding the lack of individual project level detail provided in DARPA's budget justification materials. While appreciative that the high-risk nature of many DARPA projects makes it hard to pinpoint detailed schedules, the Committee remains disturbed by the lack of detail provided for individual projects regarding their scope, notional schedule and overall funding requirements. Moreover, project funding is often adjusted from one year to the next without justification. The Committee directs DARPA to provide greater programmatic detail for its projects in its justification materials supporting the fiscal year 2010 budget request. Further, the Committee remains concerned with transition plans for DARPA programs and encourages DARPA to continue to pursue transition plans for all of its Advanced Technology Development programs. The Director, DARPA is directed to submit with the fiscal year 2010 budget submission the report on transitions that was initiated in fiscal year 2009.

Transformational Medical Technologies Initiative [TMTI].—The fiscal year 2009 budget request includes $240,900,000 for TMTI, an increase of $105,000,000 over the amount appropriated in fiscal year 2008. The Committee notes that of the amount requested for fiscal year 2009, $123,900,000, more than half, is requested for new starts, an increase of $78,300,000 over the amount provided for new starts in fiscal year 2008. The Committee finds this growth for new starts excessive at this juncture in the program and reduces the request for new starts in fiscal year 2009 by $70,000,000. The Special Assistant, Chemical and Biological Defense, is directed to provide with the fiscal year 2010 budget request the annual TMTI report as detailed by the Committee in Senate Report 109–292.

New Starts in the Year of Execution.—The fiscal year 2009 budget request includes no less than $176,770,000 in the Research, Development, Test and Evaluation, Defense-Wide account for new start programs that will be selected and initiated in fiscal year 2009, an increase of $61,766,000 provided for such programs in fiscal year 2007. While aware of the need for certain programmatic flexibility to address urgent unfunded requirements, the Committee finds this level of unjustified funding excessive, particularly in light of the fact that several projects continue to be resourced from these funds over a sustained period of time without transitioning to funded programs of record. Therefore, the Committee recommends a 10 percent reduction to these funds. The Committee notes that congressional notification of programs initiated with these funds has been lagging and inconsistent. The Committee further notes that established reprogramming procedures allow the Department to initiate new start programs critical to national security in the year of execution.

Joint Report on Coal-to-Liquid Fuels.—The Committee directs the Secretary of Defense, in coordination with the Department of Energy's Office of Fossil Energy, to submit a report to the congressional defense committees no later than March 31, 2009, on alternatives to reduce the life cycle emissions of coal-to-liquid fuels and potential uses of coal-to-liquid fuels to meet the Department of Defense's mobility energy requirements. The report shall examine, at a minimum, the following: the potential clean energy alternatives for powering the coal-to-liquids conversion processes, including nuclear, solar, and wind energies; the alternatives for reducing carbon emissions during the coal-to-liquids conversion processes; and the military utility of coal-to-liquid fuels for military operations and for use by expeditionary forces compared with the military utility and life cycle emissions of mobile, in-theater synthetic fuel processes.

MISSILE DEFENSE PROGRAMS

Near-Term Missile Defense Programs.—The Committee remains committed to fielding the near-term missile defense programs, primarily Ground-based Missile Defense [GMD], Aegis Ballistic Missile Defense [BMD], and Theater High Area Altitude Defense [THAAD] programs. The Committee is concerned that funding for these programs is sacrificed each year to pay for the development of futuristic missile defense programs. The Committee has reduced funding for several of the far-term programs, such as the Kinetic Energy Interceptor, the Multiple Kill Vehicle, the Airborne Laser, and Space Test Bed in order to increase funding for GMD, Aegis, and THAAD.

The Committee has provided an additional $150,000,000 for enhancements to the GMD, Aegis and THAAD programs. The Committee directs the Missile Defense Agency to report back to the congressional defense oversight committees by December 1, 2008 on how those additional funds will be allocated to the programs.

Furthermore, the Committee understands that the Joint Capability Mix [JCM] study, conducted by the Joint Staff, concluded that U.S. combatant commanders need about twice as many Standard Missile–3 and THAAD interceptors than currently planned to meet their minimum operational requirements for defending against short and medium-range ballistic missiles. The Committee believes that achieving the minimum levels of interceptor inventories identified in the JCM study should be the highest priority for MDA and encourages the Department of Defense to budget accordingly in the fiscal year 2010 budget submission.

European Missile Defense Programs.—The Committee is recommending three separate program elements for the European Missile Defense sites in order to ensure that the Congress has adequate visibility over funding for these initiatives. Separate program elements should also ensure that funding in the Ground-based Missile Defense, Sensors, and Command and Control program elements are not adversely impacted by the European sites. The Committee provides $467,150,000 for European missile defense and development and testing of the two-stage interceptor.

The first program element provides $363,250,000 for the development and testing of the two-stage interceptors and the interceptor site planned for Poland. The Committee recommends $182,900,000

for development and testing of the two-stage interceptors, $19,200,000 for long-lead components for two-stage interceptors, and $65,500,000 for site planning, design and activation. Due to the delay in ratification of a missile defense agreement with Poland, the Committee reduces funding for missile field equipment by $82,550,000 and communications by $13,100,000, half of the request. In addition, $68,800,000 of funding provided in fiscal year 2008 for the European Interceptor Site will be carried over to fiscal year 2009 to support the site in Poland if approved.

The second program element provides $76,800,000 for the European Midcourse Radar [EMR] that is planned to be located in the Czech Republic. The Committee fully funds $15,800,000 for site planning, design and activation, but reduces funding for sensor equipment by $15,000,000 and communications by $6,000,000 due to at least a 3-month delay in ratification of an agreement with the Czech government in fiscal year 2009. In addition, the Committee understands that the $28,500,000 appropriated in fiscal year 2008 has not been expended for the EMR as of late June 2008, so additional dollars are available in fiscal year 2009 for the site.

The third program element provides $27,100,000 for the European Global Engagement Manager and U.S. Communications for the European sites. Due to the delay in ratifying agreements with the European host sites, the request is reduced by $14,000,000. Those funds would not be expended in fiscal year 2009.

The Committee provides no funding for the European Forward Based Radar [AN–TPY–2] since a location has not been determined for the site.

Airborne Laser.—The Committee recommends a reduction of $29,500,000 for the Airborne Laser [ABL] program, a reduction of $15,800,000 for trade studies for a second aircraft and $13,700,000 for envelope expansion activities, small business and specialized industrial base expertise. The Committee believes the requests for these activities are premature and understands that this reduction will not impact the ABL lethality demonstration scheduled for late fiscal year 2009.

Kinetic Energy Interceptor.—The Committee is concerned over the execution of the Kinetic Energy Interceptor [KEI] program and believes that more rigor and quality assurance needs to be instituted into the program before providing any funding increases to the effort. For instance, the fiscal year 2008 budget request included funding for five static fire tests, but only one test was executed and the remaining tests have moved to fiscal year 2009. The Committee recommends a reduction of $100,000,000 to the KEI program in order to provide additional funding for the near-term missile defense programs.

Targets.—The Committee is encouraged by the Missile Defense Agency's renewed focus and commitment to the target program. In order to ensure that the program office has the proper oversight of all funding for the targets program, the Committee transfers the entire request for targets from the individual program elements to the Test and Target program element. The Committee is aware that a potential funding shortfall for targets remains in fiscal year 2009 and encourages the Missile Defense Agency to submit an above threshold reprogramming to the Congress to ensure that this

important component of missile defense testing is adequately funded.

Aegis BMD.—The Committee is concerned that management of the kill vehicle for the Standard Missile Block II is being done by the Kill Vehicle program office instead of the Aegis program. The Aegis program has had a long history of success with managing the entire development and fielding of the Standard Missile, and the Committee believes that any change in management could result in a delay to the program. Therefore, the Committee directs that all current and future Standard Missile development and upgrades, including the kill vehicles, be managed by the Aegis program.

Space-based Interceptor Study.—The Committee provides $5,000,000 to support the study outlined in Section 236 of S. 3001, the National Defense Authorization Act for Fiscal Year 2009 as reported.

Justification Materials.—The justification materials provided to the Congress by the Missile Defense Agency are unacceptable. The programs change significantly from the time the budget is submitted to the time funding is appropriated, making it extremely difficult for the Congress to oversee what is actually in the budget on an annual basis. The justification materials should no longer be presented in the block structure format, but rather by fiscal year for each activity within the program element. The documents must provide more detailed schedules, quantities, and break-outs of funding for each activity. The Committee directs the Missile Defense Agency to work with the Office of the Secretary of Defense, Comptroller to develop budget exhibits that more closely resemble the justification materials provided by the military services. Furthermore, the Committee encourages MDA to work closely with the congressional defense oversight committees to come up with a format that is more useful to the Congress.

Test Range Support and Upgrades.—The Committee recommends an additional $20,000,000 for test and training range support and upgrades to ensure the ranges are able to keep pace with the additional demands required to support MDA testing.

OPERATIONAL TEST AND EVALUATION, DEFENSE

Appropriations, 2008	$180,264,000
Budget estimate, 2009	188,772,000
Committee recommendation	188,772,000

The Committee recommends an appropriation of $188,772,000. 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]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
	OPERATIONAL TEST & EVAL, DEFENSE			
	RDT&E MANAGEMENT SUPPORT			
1	OPERATIONAL TEST AND EVALUATION	53,196	53,196	

[In thousands of dollars]

Line	Item	2009 budget estimate	Committee recommendation	Change from budget estimate
2	LIVE FIRE TESTING	11,572	11,572	.....
3	OPERATIONAL TEST ACTIVITIES AND ANALYSES	124,004	124,004	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	188,772	188,772	.....
	TOTAL, OPERATIONAL TEST & EVAL, DEFENSE	188,772	188,772	.....

TITLE V

REVOLVING AND MANAGEMENT FUNDS

DEFENSE WORKING CAPITAL FUNDS

Appropriations, 2008	$1,352,746,000
Budget estimate, 2009	1,489,234,000
Committee recommendation	1,489,234,000

The Committee recommends an appropriation of $1,489,234,000. This is equal to the budget estimate.

NATIONAL DEFENSE SEALIFT FUND

Appropriations, 2008	$1,349,094,000
Budget estimate, 2009	1,962,253,000
Committee recommendation	1,618,553,000

The Committee recommends an appropriation of $1,618,553,000. This is $343,700,000 below the budget estimate.

The Committee supports the recommendation of the Senate Armed Services Committee not to include funding for the development and procurement of amphibious assault ships in the National Defense Sealift Fund [NDSF]. Therefore, the Committee recommends a transfer of $5,400,000 within Research and Development, Test and Evaluation, Navy and a transfer and adjustment of $348,300,000 to Shipbuilding and Conversion, Navy, for LHA[R] advance procurement. The Committee recommendation also includes an additional $10,000,000 for the conversion of the U.S. Training Ship Enterprise.

TITLE VI

OTHER DEPARTMENT OF DEFENSE APPROPRIATIONS

DEFENSE HEALTH PROGRAM

Appropriations, 2008	$23,458,692,000
Budget estimate, 2009	24,799,202,000
Committee recommendation	25,006,702,000

The Committee recommends an appropriation of $25,006,702,000. This is $207,500,000 above the budget estimate.

Defense Health Program Reprogramming Procedures.—The Committee remains concerned regarding the transfer of funds from Direct (or In-house) Care to pay for contractor-provided medical care. To limit such transfers and continue oversight within the Defense Health Program operation and maintenance account, the Committee includes bill language which limits the funds available for Private Sector Care under the TRICARE program subject to prior approval reprogramming procedures. The bill language and accompanying report language included by the Committee should not be interpreted by the Department as limiting the amount of funds that may be transferred to the Direct Care System from other budget activities within the Defense Health Program. In addition, the Committee believes that the Services are not properly budgeting for actual execution levels among the budget activity groups and therefore continues to designate the funding for the Direct Care System as a special interest item. Any transfer of funds from the Direct (or In-house) Care budget activity into the Private Sector Care budget activity or any other budget activity will require the Department of Defense to follow prior approval reprogramming procedures.

The Committee recognizes that the Navy and the Air Force budget requests for In-House Care are in excess to the actual requirements. Therefore, the Committee has transferred requested amounts from In-House Care to other budget activities for proper execution.

Carryover.—For fiscal year 2009, the Committee is recommending 1 percent carryover authority for the Defense Health Program. The Committee directs the Assistant Secretary of Defense (Health Affairs) to submit a detailed spending plan for any fiscal year 2008 designated carryover funds to the congressional defense committees by November 1, 2008. In addition, the Department shall, not fewer than 15 days prior to executing the carryover funds, notify the congressional defense committees in writing of the details of any such obligation.

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Item	2009 budget request	Committee recommendation	Change from budget request
OPERATION AND MAINTENANCE	24,301,359	24,129,859	−171,500
IN-HOUSE CARE	6,574,560	6,234,060	−340,500
Realignment for proper execution of pharmacy workload			−78,000
Realignment of Navy funds for proper execution			−163,500
Realignment of Air Force funds for proper execution			−100,000
DoD/VA Blind Rehabilitation and Training Pilot			+1,000
PRIVATE SECTOR CARE	13,339,751	13,217,751	−122,000
Realignment for proper execution of pharmacy workload			+78,000
Legislative Provisions not Adopted			
Program Execution			−200,000
CONSOLIDATED HEALTH CARE	1,250,152	1,298,152	+48,000
Realignment of Navy funds for proper execution			+17,000
Realignment of Air Force funds for proper execution			+10,000
AFIP/Joint Pathology Center (JPC) Records Digitization and Repository Modernization			+20,000
Epidemiologic Health Survey at the Iowa Army Ammunition Plant			+1,000
INFORMATION MANAGEMENT	1,117,089	1,153,589	+36,500
Realignment of Navy funds for proper execution			+10,000
Realignment of Air Force funds for proper execution			+20,000
Digital Accessible Personal Health Electronic Record			+1,000
Enhanced Medical Situational Awareness			+3,000
Theater Enterprise Wide Logistics System (TEWLS)			+2,500
MANAGEMENT HEADQUARTERS	268,545	273,045	+4,500
Realignment of Navy funds for proper execution			+4,500
EDUCATION AND TRAINING	485,524	497,524	+12,000
Realignment of Navy funds for proper execution			+2,000
Realignment of Air Force funds for proper execution			+10,000
BASE OPERATIONS AND COMMUNICATIONS	1,265,738	1,455,738	+190,000
Realignment of Navy funds for proper execution			+130,000
Realignment of Air Force funds for proper execution			+60,000
PROCUREMENT	303,905	303,905	
RESEARCH AND DEVELOPMENT	193,938	572,938	+379,000
Copper Antimicrobial Research Program			+2,000
Hawaii Federal Health Care Network			+23,000
Integrated Translational Prostate Disease Research At WRAMC			+4,000
Pacific Based Joint Information Technology Center (JITC)			+6,000
Management of the Wounded Soldier from Air Evacuation to Rehabilitation			+2,500
Pharmacological Countermeasures to Ionizing Radiation			+1,000
Pseudofolliculitis Barbae (PFB) Topical Treatment			+1,000
Security Solutions from Life in Extreme Environments Center			+1,500
Peer Reviewed Medical Research Program			+50,000
Peer Reviewed Breast Cancer Research Program			+150,000
Peer Reviewed Prostate Cancer Research Program			+80,000
Peer Reviewed Ovarian Cancer Research Program			+10,000
Peer Reviewed Psychological Health and Traumatic Brain Injury Research Program			+40,000
Tri Service Nursing Research Program			+8,000
TOTAL	24,799,202	25,006,702	+207,500

Peer-reviewed Medical Research Program.—The Committee has provided $50,000,000 for a Peer Reviewed Medical Research Program. The Committee directs the Secretary of Defense, in conjunction with the Service Surgeons General, to select medical research projects of clear scientific merit and direct relevance to military health. Research areas considered under this funding are restricted to: Alcoholism, Amyotrophic Lateral Sclerosis, Autism, Autoimmune Diseases, Blood Cancer, Childhood Asthma, Dental, Drug Abuse, Duchenne Muscular Dystrophy, Epilepsy, Eye and Vision, Kidney Cancer, Lupus, Melanoma, Mesothelioma, Molecular Signatures in Tumors, Multiple Sclerosis, Neurofibromatosis, Osteoporosis and related bone disease, Paget's Disease, Parkinson's, Pediatric Cancer, Polycystic Kidney Disease, Social Work Research, Tinnitus, Tuberous Sclerosis Complex, and West Nile Virus Vaccine. The Committee emphasizes that the additional funding provided under the Peer Reviewed Medical Research Program shall be devoted only to the purposes listed above.

Peer-reviewed Psychological Health and Traumatic Brain Injury Research Program.—The Committee has provided $40,000,000 for a peer reviewed Psychological Health and Traumatic Brain Injury [TBI] research program to increase research efforts into these areas. The Committee believes that additional research is required in these topics. The health of our war fighters depends on the success of this research. The Committee strongly urges the Department to allocate adequate resources to continue further medical research into these and other critical deployment related injuries. The Committee recommends the following research topics be considered under this program: neuropsychiatric studies into Post Traumatic Stress Disorder [PTSD]; basic science investigations on strategies to treat neural injury and TBI; biochemical mechanisms that underlie human emotional reactions to combat stress and resulting clinical disorders; development of a fully automated, self contained, disposable chip to diagnose TBI at the point of onset; development of metrics to score the index of mental health and methods to improve PTSD rehabilitation efforts; the use of pharmaceutical interventions to stimulate neural circuits, "activity-based" physical therapy to promote neuromotor recovery, and intensive and extended rehabilitation focused on impairments in vision and cognitive functioning; determining advanced MRI's role for screening, diagnosis, and treatment of injured service members; assessing neuroimaging, behavioral, and genetic information that captures bio-markers for TBI or PTSD during semi-acute and chronic injury stages; develop 3D simulations on how blast waves from IED explosions cause TBI and use of this data to develop equipment to mitigate the damage to service members; clinical research into understanding cell damage from blast events and the resulting affects on neurological response; development of a protocol for DA–EEG assessment and MRI quantization to allow an accurate assessment of TBI; employ computation approaches to integrate global transcriptomics and proteomics information to identify the biological networks altered following a TBI; basic science into neurorehabilitation, the integration of informatics, and advanced computational research to analyze brain tissue and activities; and cell replacement and regrowth strategies, as well as testing specific

therapies to prevent and reverse spinal cord and other neuro-traumatic damage.

Tri-Service Nursing Research Program.—The Committee has included $8,000,000 to continue the Tri-Service Nursing Research Program and urges the Department of Defense to include this program in future budget requests. This program provides funding for peer-reviewed research studies conducted by active duty and reserve military nurses on topics of military nursing that might not be competitive in other funding venues. The Committee believes this program is an essential tool for the retention of our military nurses. The Committee directs the Assistant Secretary of Defense Health Affairs, in conjunction with the Service Surgeons General and the Nursing Corps Chiefs to provide a report to the congressional defense committees, by April 25, 2009, that details the number and topic areas of research proposals submitted and funded and a detailed accounting of the entire program, including administrative costs, overhead, and travel.

U.S. Army Medical Research Institute for Infectious Diseases [USAMRIID].—The Committee recognizes that the community remains concerned over the Army's planned expansion of bio-safety level 3 and 4 laboratories at the U.S. Army Medical Research Institute for Infectious Diseases [USAMRIID] at Fort Detrick, Maryland. Though the Army has completed the National Environmental Policy Act process to assess the impact of the expansion on the environment, significant concerns continue to exist in the local community as to whether the assessments of potential health and safety risks and the strategies to mitigate those risks are sufficient. The Committee directs the Secretary of the Defense to enter into an arrangement with the National Academy of Sciences under which the Academy shall carry out a study to evaluate the analyses of health and safety risks to the surrounding community conducted as part of National Environmental Policy Act process for the planned expansion of bio-safety level 3 and level 4 labs of the USAMRIID, to be completed no later than March 1, 2010. The Committee further directs that the Academy shall submit to the congressional defense committees a report on the study at the same time that such report is submitted to the Secretary of the Defense.

ADDITIONAL ITEMS OF INTEREST

Tripler Pain Rehabilitation Program.—The Committee commends the work of the Tripler Army Medical Center [TAMC] Pain Rehabilitation Program as a model of a collaborative multidisciplinary team approach to effective pain management. The TAMC Pain Rehabilitation Program provides comprehensive assessment and treatment for the complex interaction of physical, emotional and social factors in pain perception. As pain is one of the most frequent presenting complaints of returning soldiers, the Committee encourages the Department of Defense to utilize this program as a model for other military treatment facilities.

Post-doctoral Education.—The Committee continues to be supportive of post-doctoral training in health psychology and applauds the successes and progress being made at Tripler Army Medical Center. The Committee encourages the Department of Defense to consolidate post-doctoral training efforts for psychologists in those

military treatment facilities where independent departments of psychology exist and to lengthen it to a 2-year program, where appropriate.

Graduate Professional Education.—The Committee strongly supports continuation of equitable distribution of Department of Defense funds for graduate professional education to all health professions, including nursing.

Pediatric Emergency Medical Services.—The Committee reiterates its support for pediatric-specific emergency medical services training and equipment availability throughout Military Treatment Facilities [MTFs]. The Committee appreciates the MTFs attention and continued adherence to these initiatives.

CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE

Appropriations, 2008	$1,512,724,000
Budget estimate, 2009	1,485,634,000
Committee recommendation	1,505,634,000

The Committee recommends an appropriation of $1,505,634,000. This is $20,000,000 above the budget estimate and includes $1,152,668,000 for Operation and Maintenance, $64,085,000 for Procurement, and $288,881,000 for Research, Development, Test and Evaluation.

[In thousands of dollars]

Item	Fiscal year 2009 request estimate	Committee recommendation	Change from budget estimate
Operation and Maintenance	1,152,668	1,152,668	.....
Procurement	64,085	64,085	.....
Research and Development	268,881	288,881	+20,000
Blue Grass Chemical Agent Destruction Pilot Plant	.....	.....	+20,000
Total, Chemical Agents and Munitions Destruction	1,485,634	1,505,634	+20,000

DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE

Appropriations, 2008	$984,779,000
Budget estimate, 2009	1,060,463,000
Committee recommendation	1,102,686,000

The Committee recommends an appropriation of $1,102,686,000. This is $42,223,000 above the budget estimate.

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

Item	Fiscal year 2009 request	Committee recommendation	Change from budget request
COUNTER NARCOTICS	1,060,463	1,102,686	+42,223
PC 1389 Classified	.....	.....	−1,000
PC 2440 SOUTHCOM—Command Management System (Transfer to Operation and Maintenance, Army, Line 130, Combatant Commanders Core Operations)	.....	.....	−11,127

DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE EXPLANATION OF PROJECT LEVEL ADJUSTMENTS—Continued

[In thousands of dollars]

Item	Fiscal year 2009 request	Committee recommendation	Change from budget request
PC 7403 National Guard Counterdrug Support			+30,000
PC 9205 EUCOM Counternarcotics Operations Support			−3,250
PC 9206 AFRICOM Counternarcotics Operations Support			−4,000
Alaska National Guard Counterdrug Program			+3,000
Appalachia High Intensity Drug Trafficking Area—Tennessee National Guard			+4,000
Hawaii National Guard Counterdrug Program			+3,000
Kentucky National Guard Counterdrug Program			+3,600
Midwest Counterdrug Training Center			+5,000
Nevada National Guard Counterdrug Operations			+3,500
New Mexico National Guard Counterdrug Program			+3,000
Northeast Counterdrug Training Center (NCTC)			+3,000
Regional Counterdrug Training Academy—Meridian			+2,500
West Virginia Counterdrug Program			+1,000

Command Management System.—The Committee recommends the transfer of $11,127,000 requested for SOUTHCOM Command Management System support from Project Code 2440 to Operation and Maintenance, Army, Combatant Commanders Core Operations, to more properly align it with similar support activities. The Command Management System provides a command, control, communications, and computer system infrastructure, enabling connectivity among the various components supporting operations in the SOUTHCOM area of responsibility. This system, while critical for counter-narcotics activities, is a general SOUTHCOM asset and should not be fully funded through the counterdrug account. The Committee expects SOUTHCOM to budget for this capability through general SOUTHCOM operation and maintenance funding in future fiscal years.

AFRICOM and EUCOM Operations Support.—The Committee recommends a reduction to the AFRICOM and EUCOM Operations Support activities. For fiscal year 2009, the EUCOM request is nearly double the fiscal year 2008 level, despite EUCOM losing a significant portion of its AOR to AFRICOM. The AFRICOM request is double the prior year EUCOM level and significantly greater than other COCOM funding levels, despite many of its programs being in their infancy. For these reasons, the Committee believes these requests are overstated and has taken reductions accordingly.

JOINT IMPROVISED EXPLOSIVE DEVICE DEFEAT FUND

Appropriations, 2008	$120,000,000
Budget estimate, 2009	496,300,000
Committee recommendation	

The Committee does not recommend funding for the Joint Improvised Explosive Device Defeat Fund because it has addressed this requirement in the previously enacted supplemental appropriations for fiscal year 2009. Consistent with S. 3001, the National Defense Authorization Act for Fiscal Year 2009 as reported, the Committee believes that these requirements are war-related and should be funded through the supplemental appropriations process. The Com-

mittee will address future funding requirements in subsequent supplemental appropriations for fiscal year 2009.

Terrorist Explosive Device Analytical Center.—The Committee commends the Joint IED Defeat Organization [JIEDDO] on their work with the Federal Bureau of Investigation's Terrorist Explosive Device Analytical Center [TEDAC] to provide a unified partnership between law enforcement, intelligence, and the U.S. military to technically and forensically exploit IEDs. This relationship is yielding actionable intelligence that contributes to offensive anti-terror missions and to the force protection of the United States and coalition assets around the globe. The Committee encourages JIEDDO to maintain and cultivate this relationship in the future.

OFFICE OF THE INSPECTOR GENERAL

Appropriations, 2008	$239,995,000
Budget estimate, 2009	247,845,000
Committee recommendation	271,845,000

The Committee recommends an appropriation of $271,845,000. This is $24,000,000 above the budget estimate. The increase is consistent with S. 3001, the National Defense Authorization Act for Fiscal Year 2009 as reported.

TITLE VII

RELATED AGENCIES

CENTRAL INTELLIGENCE AGENCY RETIREMENT AND DISABILITY SYSTEM FUND

Appropriations, 2008	$262,500,000
Budget estimate, 2009	279,200,000
Committee recommendation	279,200,000

The Committee recommends an appropriation of $279,200,000. This is equal to the budget estimate.

INTELLIGENCE COMMUNITY MANAGEMENT ACCOUNT

Appropriations, 2008	$725,526,000
Budget estimate, 2009	685,042,000
Committee recommendation	689,742,000

The Committee recommends an appropriation of $689,742,000. This is $4,700,000 above the budget estimate.

REVIEWED
By Roland Biser at 3:42 pm, Sep 19, 2008

TITLE VIII

GENERAL PROVISIONS

The following lists general provisions proposed by the Committee. The Committee recommends inclusion of several proposals which have been incorporated in previous appropriations acts, provisions requested for inclusion by the Defense Department, and new provisions. The Committee recommendations are as follows:

SEC. 8001. *Publicity/Propaganda Limitation.*—Retains a provision carried in previous years.

SEC. 8002. *Compensation/Employment of Foreign Nationals.*—Retains a provision carried in previous years.

SEC. 8003. *Obligation Rate of Appropriations.*—Retains a provision carried in previous years.

SEC. 8004. *Obligations in Last 2 Months of Fiscal Year.*—Retains a provision carried in previous years.

SEC. 8005. *Transfers.*—Retains and modifies a provision carried in previous years.

SEC. 8006. *Establishment of Reprogramming Baseline.*—Retains a provision carried last year.

SEC. 8007. *Range Upgrades.*—Retains a provision carried in previous years, as requested by Senator Stevens.

SEC. 8008. *Working Capital Fund Cash Disbursements.*—Retains a provision carried in previous years.

SEC. 8009. *Special Access Programs Notification.*—Retains a provision carried in previous years.

SEC. 8010. *Multiyear Procurement Authority.*—Includes multiyear contract authority for a program as noted in the section.

SEC. 8011. *Humanitarian and Civic Assistance.*—Retains a provision carried in previous years.

SEC. 8012. *Civilian Personnel Ceilings.*—Retains a provision carried in previous years.

SEC. 8013. *Lobbying.*—Retains a provision carried in previous years.

SEC. 8014. *Educational Benefits and Bonuses.*—Retains a provision carried in previous years.

SEC. 8015. *Organizational Analysis/Contracting Out.*—Retains a provision carried in previous years.

SEC. 8016. *Mentor-Protege Program.*—Retains a provision carried in previous years.

SEC. 8017. *Anchor Chains.*—Retains a provision carried in previous years.

SEC. 8018. *Demilitarization of Surplus Firearms.*—Retains a provision carried in previous years.

SEC. 8019. *Relocations into the NCR.*—Retains a provision carried in previous years.

SEC. 8020. *Indian Financing Act Incentives.*—Retains a provision carried in previous years.

SEC. 8021. *A-76 Studies.*—Retains a provision carried in previous years.

SEC. 8022. *Defense Media Activity.*—Retains and modifies a provision carried in previous years.

SEC. 8023. *Burdensharing.*—Retains a provision carried in previous years.

SEC. 8024. *Civil Air Patrol.*—Retains and modifies a provision for the Civil Air Patrol.

SEC. 8025. *Federally Funded Research and Development Centers.*—Retains and modifies a provision carried in previous years.

SEC. 8026. *Carbon, Alloy, or Armor Steel Plate.*—Retains a provision carried in previous years.

SEC. 8027. *Congressional Defense Committees Definition.*—Retains a provision carried in previous years.

SEC. 8028. *Depot Maintenance Competition.*—Retains a provision carried in previous years.

SEC. 8029. *Reciprocal Trade Agreements.*—Retains a provision carried in previous years.

SEC. 8030. *Overseas Military Facility Investment.*—Retains a provision carried in previous years.

SEC. 8031. *Walking Shield.*—Retains a provision carried in previous years.

SEC. 8032. *Investment Item Unit Cost.*—Retains a provision carried in previous years.

SEC. 8033. *Defense Working Capital Fund/Investment Item.*—Retains a provision carried in previous years.

SEC. 8034. *CIA Availability of Funds.*—Retains a provision carried in previous years.

SEC. 8035. *GDIP Information System.*—Retains a provision carried in previous years.

SEC. 8036. *Indian Tribes Environmental Impact.*—Retains and modifies a provision carried in previous years.

SEC. 8037. *Compliance With the Buy America Act.*—Retains a provision carried in previous years.

SEC. 8038. *Competition for Consultants and Studies Programs.*—Retains a provision carried in previous years.

SEC. 8039. *Field Operating Agencies.*—Retains a provision carried in previous years.

SEC. 8040. *OEA Grants.*—Retains and modifies a provision carried in previous years.

SEC. 8041. *Rescissions.*—The Committee recommends a general provision rescinding funds from prior years as displayed below:

	Amount
2008 Appropriations:	
Aircraft Procurement, Army:	
ARH	$174,600,000
Procurement of Ammunition, Army:	
Signals	69,200,000
Shipbuilding and Conversion, Navy:	
LCS	337,000,000
Weapons Procurement, Navy:	
HARM Mods	11,600,000
MK-46 Torpedo Mods	23,180,000

	Amount
Research, Development, Test and Evaluation, Army:	
MILSATCOM	49,800,000
Research, Development, Test and Evaluation, Air Force:	
Electronic Warfare Development—MALD Schedule delay	14,500,000
DRSP	163,573,000
KC–135 Tanker Replacement	108,000,000
Research, Development, Test and Evaluation, Defense-Wide:	
DARPA	100,000,000
No year Appropriations:	
Tanker Replacement Transfer Fund, Air Force	239,800,000

SEC. 8042. *Civilian Technicians Reductions.*—Retains a provision carried in previous years.

SEC. 8043. *Prohibition on Assistance to North Korea.*—Retains a provision carried in previous years.

SEC. 8044. *Reimbursement for Reserve Component Intelligence Personnel.*—Retains a provision carried in previous years.

SEC. 8045. *Civilian Medical Personnel Reductions.*—Retains a provision carried in previous years.

SEC. 8046. *Counterdrug Activities Transfer.*—Retains a provision carried in previous years.

SEC. 8047. *Ball and Roller Bearings.*—Retains a provision carried in previous years.

SEC. 8048. *Buy American Computers.*—Retains a provision carried in previous years.

SEC. 8049. *Transfer to Other Agencies.*—Retains a provision carried in previous years.

SEC. 8050. *Restrictions on Transfer of Equipment and Supplies.*—Retains a provision carried in previous years.

SEC. 8051. *Contractor Bonuses Due to Business Restructuring.*—Retains a provision carried in previous years.

SEC. 8052. *Reserve Peacetime Support to Active Duty and Civilian Activities.*—Retains a provision carried in previous years.

SEC. 8053. *Expired Obligations and Unexpended Balances.*—Retains a provision carried in previous years.

SEC. 8054. *National Guard Distance Learning.*—Retains a provision carried in previous years.

SEC. 8055. *Heating Plants in Europe.*—Retains a provision carried in previous years.

SEC. 8056. *End-item Procurement.*—Retains a provisions carried in previous years.

SEC. 8057. *American Samoa Transfer.*—Retains a provision carried in previous years.

SEC. 8058. *Sale of F–22 to Foreign Nations.*—Retains a provision carried in previous years.

SEC. 8059. *Buy American Waivers.*—Retains a provision carried in previous years.

SEC. 8060. *Training of Security Forces of a Foreign Country.*—Retains a provision carried in previous years.

SEC. 8061. *T–AKE.*—Retains a provision carried in previous years.

SEC. 8062. *ACTD Projects.*—Retains a provision carried in previous years.

SEC. 8063. *Secretary of Defense Reporting Requirement.*—Retains a provision carried in previous years.

SEC. 8064. *Support to Other Government Agencies.*—Retains a provision carried in previous years.

SEC. 8065. *Use of National Guard Forces.*—Retains a provision carried in previous years.

SEC. 8066. *Armor Piercing Ammo.*—Retains a provision carried in previous years.

SEC. 8067. *Leasing Authority for National Guard Bureau.*—Retains a provision carried in previous years.

SEC. 8068. *Alcoholic Beverages.*—Retains and modifies a provision carried in previous years.

SEC.8069. *GPS.*—Retains a provision carried in previous years.

SEC.8070. *O&M, Army Transfer.*—Retains and modifies a provision carried in previous years.

SEC.8071. *Disbursements.*—Retains a provision carried in previous years.

SEC. 8072. *Surplus Dental Equipment.*—Retains a provision carried in previous years.

SEC. 8073. *Israeli Cooperative Programs.*—Retains and modifies a provision carried in previous years.

SEC. 8074. *Assignment of Forces.*—Retains a provision carried in previous years.

SEC. 8075. *Special Pay.*—Retains a provision carried in previous years.

SEC. 8076. *Intelligence Authorization.*—Retains a provision carried in previous years.

SEC. 8077. *New Start Authority.*—Retains a provision carried in previous years.

SEC. 8078. *Local School Funding/Special Needs Funding.*—Retains and modifies a provision carried in previous years.

SEC. 8079. *Non-line of Sight Cannon.*—Retains a provision carried in previous years.

Sec. 8080. *U.S.S. Missouri Memorial Association.*—Includes a new provision which provides $9,900,000 to the U.S.S. Missouri Memorial Association.

SEC. 8081. *PMRF Infrastructure.*—Retains and modifies a provision carried in previous years.

SEC. 8082. *Contingency Operations Budget Justification.*—Retains a provision carried in previous years.

SEC. 8083. *Nuclear Armed Interceptors.*—Retains a provision carried in previous years.

SEC. 8084. *53rd Weather Reconnaissance Squadron.*—Retains a provision carried in previous years.

SEC. 8085. *Terrorism Information Awareness Program.*—Retains a provision carried in previous years.

SEC. 8086. *Notification of Reserve Mobilization.*—Retains a provision carried in previous years.

SEC. 8087. *SCN Transfer Authority.*—Retains a provision carried in previous years.

SEC. 8088. *SCN Judgment Fund.*—Retains a provision carried in previous years.

SEC. 8089. *Army Tactical UAVs.*—Retains and modifies a provision carried in previous years.

SEC. 8090. *Joint Interagency Training and Education Center.*—Retains and modifies a provision carried in previous years.

SEC. 8091. *Extension of DARPA Project.*—Retains and modifies a provision carried in previous years as requested by Senator Inouye.

SEC. 8092. *Asia Pacific Regional Initiative.*—Retains and modifies a provision carried in previous years.

SEC. 8093. *Revised Economic Assumptions.*—Retains and modifies a provision carried in previous years.

SEC. 8094. *CHAMPUS/TRICARE Mental Health Benefits.*—Retains a provision carried in previous years.

SEC. 8095. *Wage Rates for Civilian Health Employees.*—Retains a provision carried in previous years.

SEC. 8096. *DNI R&D Waiver.*—Retains a provision carried in the previous year.

SEC. 8097. *Shipbuilding Obligations.*—Retains a provision carried in the previous year.

SEC. 8098. *Environmental Contracting.*—Retains a provision carried in previous years.

SEC. 8099. *Award Fees.*—Retains and modifies a provision carried in previous years.

Sec. 8100. *Tanker Transfer Fund.*—Retains and modifies a provision carried in the previous year.

SEC. 8101. *Budget Exhibits for Intelligence Programs.*—Includes a new provision requiring the Intelligence Community to submit certain budget exhibits, as described in the Department of Defense Financial Management Regulation, for procurement and research, development, test and evaluation programs.

SEC. 8102. *Tables Incorporated into Bill Language.*—Includes a new provision which incorporates the funding tables into bill language by reference, as consistent with S. 3001, the National Defense Authorization Act for Fiscal Year 2009.

SEC. 8103. *Statute of Limitations.*—Includes a new provision that extends the statute of limitations during wartime applicable to the conflicts in Iraq and Afghanistan.

SEC. 8104. *Russian Uranium.*—Includes a new provision that provides incentives for the downblending of Russian Highly Enriched Uranium.

REVIEWED
By Roland Biser at 3:48 pm, Sep 19, 2008

COMPLIANCE WITH PARAGRAPH 7, RULE XVI OF THE STANDING RULES OF THE SENATE

Paragraph 7 of rule XVI requires that Committee reports on general appropriations bills identify each Committee amendment to the House bill "which proposes an item of appropriation which is not made to carry out the provisions of an existing law, a treaty stipulation, or an act or resolution previously passed by the Senate during that session."

None of the funds appropriated in this bill are authorized. At the point when the Committee reports this measure, the Congress has not completed action on the Fiscal Year 2009 Defense Authorization Act. As a consequence, the Committee has acted in good faith in its attempt to comply fully with requirements stipulated under paragraph 7, rule XVI.

The Committee anticipates that Congress will authorize the amounts appropriated in this act.

COMPLIANCE WITH PARAGRAPH 7(c), RULE XXVI OF THE STANDING RULES OF THE SENATE

Pursuant to paragraph 7(c) of rule XXVI, on _____, the Committee ordered reported H.R. _____, making appropriations for Department of Defense for the fiscal year ending September 30, 2009, and for other purposes, with an amendment in the nature of a substitute; with the bill subject to further amendment and subject to the budget allocations, by a recorded vote of 29–0, a quorum being present. The vote was as follows:

Yeas	Nays

COMPLIANCE WITH PARAGRAPH 12, RULE XXVI OF THE STANDING RULES OF THE SENATE

Paragraph 12 of rule XXVI requires that Committee reports on a bill or joint resolution repealing or amending any statute or part of any statute include "(a) the text of the statute or part thereof which is proposed to be repealed; and (b) a comparative print of that part of the bill or joint resolution making the amendment and of the statute or part thereof proposed to be amended, showing by stricken-through type and italics, parallel columns, or other appropriate typographical devices the omissions and insertions which would be made by the bill or joint resolution if enacted in the form recommended by the Committee."

TITLE 18—CRIMES AND CRIMINAL PROCEDURE

PART II—CRIMINAL PROCEDURE

CHAPTER 213—LIMITATIONS

§ 3287. Wartime suspension of limitations

When the United States is at war *or Congress has enacted a specific authorization for the use of the Armed Forces, as described in section 5(b) of the War Powers Resolution (50 U.S.C. 1544(b)),* the running of any statute of limitations applicable to any offense (1) involving fraud or attempted fraud against the United States or any agency thereof in any manner, whether by conspiracy or not, or (2) committed in connection with the acquisition, care, handling, custody, control or disposition of any real or personal property of the United States, or (3) committed in connection with the negotiation, procurement, award, performance, payment for, interim financing, cancelation, or other termination or settlement, of any contract, subcontract, or purchase order which is connected with or related to the prosecution of the war *or directly connected with or related to the authorized use of the Armed Forces*, or with any disposition of termination inventory by any war contractor or Government agency, shall be suspended until [three years] *5 years* after the termination of hostilities as [proclaimed by the President] *proclaimed by a Presidential proclamation, with notice to Congress,* or by a concurrent resolution of Congress.

Definitions of terms in section 103 of title 41 shall apply to similar terms used in this section. *For purposes of applying such definitions in this section, the term "war" includes a specific authorization for the use of the Armed Forces, as described in section 5(b) of the War Powers Resolution (50 U.S.C. 1544(b)).*

* * * * * * *

OMNIBUS CONSOLIDATED RESCISSIONS AND APPROPRIATIONS ACT OF 1996, PUBLIC LAW 104–134

SUPPLEMENTAL APPROPRIATIONS ACT OF 1996

TITLE III

RESCISSIONS AND OFFSETS

CHAPTER 1

ENERGY AND WATER DEVELOPMENT

SUBCHAPTER A—UNITED STATES ENRICHMENT CORPORATION PRIVATIZATION

SEC. 3102. DEFINITIONS.

[For purposes] *Except as provided in section 3112A, for purposes* of this subchapter:

* * * * * * *

SEC. 3112. URANIUM TRANSFERS AND SALES.

(a) TRANSFERS AND SALES BY THE SECRETARY.—The Secretary shall not provide enrichment services or transfer or sell any uranium (including natural uranium concentrates, natural uranium hexafluoride, or enriched uranium in any form) to any person except as consistent with this section.

* * * * * * *

(f) SAVINGS PROVISION.—Nothing in this subchapter shall be read to modify the terms of the Russian HEU Agreement.

SEC. 3112A. INCENTIVES FOR ADDITIONAL DOWNBLENDING OF HIGHLY ENRICHED URANIUM BY THE RUSSIAN FEDERATION.

(a) DEFINITIONS.—In this section:

(1) COMPLETION OF THE RUSSIAN HEU AGREEMENT.—The term "completion of the Russian HEU Agreement" means the importation into the United States from the Russian Federation pursuant to the Russian HEU Agreement of uranium derived from the downblending of not less than 500 metric tons of highly enriched uranium of weapons origin.

(2) DOWNBLENDING.—The term "downblending" means processing highly enriched uranium into a uranium product in any form in which the uranium contains less than 20 percent uranium-235.

(3) HIGHLY ENRICHED URANIUM.—The term "highly enriched uranium" has the meaning given that term in section 3102(4).

(4) HIGHLY ENRICHED URANIUM OF WEAPONS ORIGIN.—The term "highly enriched uranium of weapons origin" means highly enriched uranium that—

(A) contains 90 percent or more uranium-235; and

(B) is verified by the Secretary of Energy to be of weapons origin.

(5) LOW-ENRICHED URANIUM.—The term "low-enriched uranium" means a uranium product in any form, including uranium hexafluoride (UF_6) and uranium oxide (UO_2), in which the uranium contains less than 20 percent uranium-235, including natural uranium, without regard to whether the uranium is incorporated into fuel rods or complete fuel assemblies.

(6) RUSSIAN HEU AGREEMENT.—The term "Russian HEU Agreement" has the meaning given that term in section 3102(11).

(7) URANIUM-235.—The term "uranium-235" means the isotope ^{235}U.

(b) STATEMENT OF POLICY.—It is the policy of the United States to support the continued downblending of highly enriched uranium of weapons origin in the Russian Federation in order to protect the essential security interests of the United States with respect to the nonproliferation of nuclear weapons.

(c) PROMOTION OF DOWNBLENDING OF RUSSIAN HIGHLY ENRICHED URANIUM.—

(1) COMPLETION OF THE RUSSIAN HEU AGREEMENT.—Prior to the completion of the Russian HEU Agreement, the importation into the United States of low-enriched uranium, including low-enriched uranium obtained under contracts for separative

work units, that is produced in the Russian Federation and is not imported pursuant to the Russian HEU Agreement, may not exceed the following amounts:

(A) In the 4-year period beginning with calendar year 2008, 16,559 kilograms.

(B) In calendar year 2012, 24,839 kilograms.

(C) In calendar year 2013 and each calendar year thereafter through the calendar year of the completion of the Russian HEU Agreement, 41,398 kilograms.

(2) INCENTIVES TO CONTINUE DOWNBLENDING RUSSIAN HIGHLY ENRICHED URANIUM AFTER THE COMPLETION OF THE RUSSIAN HEU AGREEMENT.—

(A) IN GENERAL.—After the completion of the Russian HEU Agreement, the importation into the United States of low-enriched uranium, including low-enriched uranium obtained under contracts for separative work units, that is produced in the Russian Federation, whether or not such low-enriched uranium is derived from highly enriched uranium of weapons origin, may not exceed—

(i) in calendar year 2014, 485,279 kilograms;

(ii) in calendar year 2015, 455,142 kilograms;

(iii) in calendar year 2016, 480,146 kilograms;

(iv) in calendar year 2017, 490,710 kilograms;

(v) in calendar year 2018, 492,731 kilograms;

(vi) in calendar year 2019, 509,058 kilograms; and

(vii) in calendar year 2020, 514,754 kilograms.

(B) ADDITIONAL IMPORTS IN EXCHANGE FOR A COMMITMENT TO DOWNBLEND AN ADDITIONAL 300 METRIC TONS OF HIGHLY ENRICHED URANIUM.—

(i) IN GENERAL.—In addition to the amount authorized to be imported under subparagraph (A) and except as provided in clause (ii), if the Russian Federation enters into a bilateral agreement with the United States under which the Russian Federation agrees to downblend an additional 300 metric tons of highly enriched uranium after the completion of the Russian HEU Agreement, 4 kilograms of low-enriched uranium, whether or not such low-enriched uranium is derived from highly enriched uranium of weapons origin and including low-enriched uranium obtained under contracts for separative work units, may be imported in a calendar year for every 1 kilogram of Russian highly enriched uranium of weapons origin that was downblended in the preceding calendar year, subject to the verification of the Secretary of Energy under paragraph (10).

(ii) MAXIMUM ANNUAL IMPORTS.—Not more than 120,000 kilograms of low-enriched uranium may be imported in a calendar year under clause (i).

(3) EXCEPTIONS.—The import limitations described in paragraphs (1) and (2) shall not apply to low-enriched uranium produced in the Russian Federation that is imported into the United States—

(A) for use in the initial core of a new nuclear reactor;

(B) for processing and to be certified for reexportation and not for consumption in the United States; or

(C) to be added to the inventory of the Department of Energy.

(4) LIMITED WAIVER AUTHORITY.—

(A) IN GENERAL.—Notwithstanding paragraph (1)(C), if the completion of the Russian HEU Agreement does not occur before December 31, 2013, the import limitations under paragraph (1)(C) shall be waived, and low-enriched uranium may be imported into the United States in the quantities specified in paragraph (2) in a calendar year after 2013, if—

(i) the Secretary of Energy and the Secretary of State jointly determine that—

(I) the failure of the completion of the Russian HEU Agreement arises from causes beyond the control and without the fault or negligence of the Government of the Russian Federation; and

(II) the Government of the Russian Federation has made reasonable efforts to avoid and mitigate the effects of the failure of the completion of the Russian HEU Agreement; and

(ii) the Secretary of Energy and the Secretary of State jointly notify Congress of, and publish in the Federal Register, the determination under clause (i) and the reasons for the determination.

(B) NOTICE AND WAIT.—A waiver under subparagraph (A) may not take effect until the date that is 180 days after the date on which Secretary of Energy and the Secretary of State notify Congress under subparagraph (A)(ii).

(C) TERMINATION.—A waiver under subparagraph (A) shall terminate on December 31 of the calendar year with respect to which the Secretary makes the determination under subparagraph (A)(i).

(5) ADJUSTMENTS TO IMPORT LIMITATIONS.—

(A) IN GENERAL.—The import limitations described in paragraph (2)(A) are based on the reference data in the 2005 Market Report on the Global Nuclear Fuel Market Supply and Demand 2005–2030 of the World Nuclear Association. In each of calendar years 2016 and 2019, the Secretary of Commerce shall review the projected demand for uranium for nuclear reactors in the United States and adjust the import limitations described in paragraph (2)(A) to account for changes in such demand in years after the year in which that report or a subsequent report is published.

(B) INCENTIVE ADJUSTMENT.—Beginning in the second calendar year after the calendar year of the completion of the Russian HEU Agreement, the Secretary of Energy shall increase or decrease the amount of low-enriched uranium that may be imported in a calendar year under paragraph (2)(B) (including the amount of low-enriched uranium that may be imported for each kilogram of highly enriched uranium downblended under paragraph (2)(B)(i)) by a percentage equal to the percentage increase or decrease, as the case

may be, in the average amount of uranium loaded into nuclear power reactors in the United States in the most recent 3-calendar-year period for which data are available, as reported by the Energy Information Administration of the Department of Energy, compared to the average amount of uranium loaded into such reactors during the 3-calendar-year period beginning on January 1, 2011, as reported by the Energy Information Administration.

(C) PUBLICATION OF ADJUSTMENTS.—As soon as practicable, but not later than July 31 of each calendar year, the Secretary of Energy shall publish in the Federal Register the amount of low-enriched uranium that may be imported in the current calendar year after the adjustments under subparagraph (B).

(6) AUTHORITY FOR ADDITIONAL ADJUSTMENT.—In addition to the adjustment under paragraph (5)(A), the Secretary of Commerce may adjust the import limitations under paragraph (2)(A) for a calendar year if the Secretary—

(A) in consultation with the Secretary of Energy, determines that the available supply of low-enriched uranium and the available stockpiles of uranium of the Department of Energy are insufficient to meet demand in the United States in the following calendar year; and

(B) notifies Congress of the adjustment not less than 45 days before making the adjustment.

(7) EQUIVALENT QUANTITIES OF LOW-ENRICHED URANIUM IMPORTS.—

(A) IN GENERAL.—The import limitations described in paragraphs (1) and (2) are expressed in terms of uranium containing 4.4 percent uranium-235 and a tails assay of 0.3 percent.

(B) ADJUSTMENT FOR OTHER URANIUM.—Imports of low-enriched uranium under paragraphs (1) and (2), including low-enriched uranium obtained under contracts for separative work units, shall count against the import limitations described in such paragraphs in amounts calculated as the quantity of low-enriched uranium containing 4.4 percent uranium-235 necessary to equal the total amount of uranium-235 contained in such imports.

(8) DOWNBLENDING OF OTHER HIGHLY ENRICHED URANIUM.—

(A) IN GENERAL.—The downblending of highly enriched uranium not of weapons origin may be counted for purposes of paragraph (2)(B), subject to verification under paragraph (10), if the Secretary of Energy determines that the highly enriched uranium to be downblended poses a risk to the national security of the United States.

(B) EQUIVALENT QUANTITIES OF HIGHLY ENRICHED URANIUM.—For purposes of determining the additional low-enriched uranium imports allowed under paragraph (2)(B), highly enriched uranium not of weapons origin downblended pursuant to subparagraph (A) shall count as downblended highly enriched uranium of weapons origin in amounts calculated as the quantity of highly enriched

uranium containing 90 percent uranium-235 necessary to equal the total amount of uranium-235 contained in the highly enriched uranium not of weapons origin downblended pursuant to subparagraph (A).

(9) TERMINATION OF IMPORT RESTRICTIONS.—The provisions of this subsection shall terminate on December 31, 2020.

(10) TECHNICAL VERIFICATIONS BY SECRETARY OF ENERGY.—

(A) IN GENERAL.—The Secretary of Energy shall verify the origin, quantity, and uranium-235 content of the highly enriched uranium downblended for purposes of paragraphs (2)(B) and (8).

(B) METHODS OF VERIFICATION.—In conducting the verification required under subparagraph (A), the Secretary of Energy shall employ the transparency measures and access provisions agreed to under the Russian HEU Agreement for monitoring the downblending of Russian highly enriched uranium of weapons origin and such other methods as the Secretary determines appropriate.

(11) ENFORCEMENT OF IMPORT LIMITATIONS.—The Secretary of Commerce shall be responsible for enforcing the import limitations imposed under this subsection and shall enforce such import limitations in a manner that imposes a minimal burden on the commercial nuclear industry.

(12) EFFECT ON OTHER AGREEMENTS.—

(A) RUSSIAN HEU AGREEMENT.—Nothing in this section shall be construed to modify the terms of the Russian HEU Agreement, including the provisions of the Agreement relating to the amount of low-enriched uranium that may be imported into the United States.

(B) OTHER AGREEMENTS.—If a provision of any agreement between the United States and the Russian Federation, other than the Russian HEU Agreement, relating to the importation of low-enriched uranium, including low-enriched uranium obtained under contracts for separative work units, into the United States conflicts with a provision of this section, the provision of this section shall supersede the provision of the agreement to the extent of the conflict.

BUDGETARY IMPACT OF BILL

PREPARED IN CONSULTATION WITH THE CONGRESSIONAL BUDGET OFFICE PURSUANT TO SEC. 308(a), PUBLIC LAW 93–344, AS AMENDED

[In millions of dollars]

	Budget authority		Outlays	
	Committee allocation	Amount of bill	Committee allocation	Amount of bill
Comparison of amounts in the bill with Committee allocations to its subcommittees of amounts in the Budget Resolution for 2009: Subcommittee on Defense:				
Mandatory.				
Discretionary.				
Projection of outlays associated with the recommendation:				
2009				
2010				
2011				
2012				
2013 and future years				
Financial assistance to State and local governments for 2009	NA		NA	

[1] Includes outlays from prior-year budget authority.
[2] Excludes outlays from prior-year budget authority.

NA: Not applicable.

DISCLOSURE OF CONGRESSIONALLY DIRECTED SPENDING ITEMS

The Constitution vests in the Congress the power of the purse. The Committee believes strongly that Congress should make the decisions on how to allocate the people's money.

As defined in Rule XLIV of the Standing Rules of the Senate, the term "congressional directed spending item" means a provision or report language included primarily at the request of a Senator, providing, authorizing, or recommending a specific amount of discretionary budget authority, credit authority, or other spending authority for a contract, loan, loan guarantee, grant, loan authority, or other expenditure with or to an entity, or targeted to a specific State, locality or congressional district, other than through a statutory or administrative, formula-driven, or competitive award process.

For each item, a Member is required to provide a certification that neither the Member nor the Senator's immediate family has a pecuniary interest in such congressionally directed spending item. Such certifications are available to the public on the website of the Senate Committee on Appropriations (www.appropriations.senate.gov/senators.cfm).

Following is a list of congressionally directed spending items included in the Senate recommendation discussed in this report, along with the name of each Senator who submitted a request to the Committee of jurisdiction for each item so identified. Neither the Committee recommendation nor this report contains any limited tax benefits or limited tariff benefits as defined in rule XLIV. Additional information on potential recipients is available on the Committee website.

CONGRESSIONALLY DIRECTED SPENDING ITEMS

[In thousands of dollars]

Account	Item name	Committee recommendation	Member
APA	Aircraft Component Remediation	2,000	Sessions
APA	CAAS—Pilot Vehicle Interface	2,000	Grassley, Harkin, Schumer
APA	HH–60A to HH–60L Upgrades for the 204th Army National Guard	8,000	Alexander
APA	Light Utility Helicopter	32,600	Cochran, Wicker
APA	UH–60 MEDEVAC Thermal Imaging Upgrades	2,000	Smith, Wyden
APA	Vibration Management Enhancement Program for CH–47	1,000	Graham
APA	Vibration Management Enhancement Program for OH–58	2,500	Feinstein
APAF	F–15 Improved Radio Communications [ARC 210]	3,000	Grassley, Harkin, Hatch, Landrieu, Smith, Wyden
APAF	F–15C/D MSOGS Retrofit	5,000	Grassley, Harkin
APAF	F–16C Fire Control Computers for SD ANG	1,800	Johnson, Thune
APAF	Large Aircraft Infrared Countermeasure for MC–130P aircraft	4,000	Martinez
APAF	Scathe View for NV ANG	500	Reid
APAF	SENIOR SCOUT Beyond Line-of-Sight [BLOS] SATCOM Data Link	7,000	Bennett, Hatch
APAF	Smart Bomb Rack Unit for the B–1B	2,000	Johnson, Thune
APN	Advanced Helicopter Emergency Egress Lighting System	2,000	Landrieu, Vitter
APN	AN/AAR–47 C(V)2 Missile Warning System Upgrade	4,000	Nelson [FL]
APN	Common ECM Equipment [ALQ 214]	3,500	Lugar
APN	Direct Squadron Support Readiness Training Program	4,000	Byrd
APN	F/A–18 Expand 4/5 Upgrade for USMC	7,600	Cochran, Wicker
APN	Integrated Mechanical Diagnostics Health and Usage Management System and Condition Based Maintenance for the H–53E.	5,000	Burr, Johnson, Leahy, Thune
CHEM DEMIL	Blue Grass Chemical Agent Destruction Pilot Plant	20,000	McConnell
DHP	AFIP/Joint Pathology Center (JPC) Records Digitization and Repository Modernization	20,000	Byrd
DHP	Copper Antimicrobial Research Program	2,000	Casey, Dodd, Durbin, Grassley, Harkin, Lieberman, Schumer
DHP	Digital Accessible Personal Health Electronic Record	1,000	Harkin
DHP	DoD/VA Blind Rehabilitation and Training Pilot	1,000	Landrieu, Salazar
DHP	Enhanced Medical Situational Awareness	3,000	Kohl
DHP	Epidemiologic Health Survey at the Iowa Army Ammunition Plant	1,000	Harkin
DHP	Hawaii Federal Health Care Network	23,000	Inouye
DHP	Integrated Translational Prostate Disease Research at Walter Reed	4,000	Stevens
DHP	Management of the Wounded Soldier from Air Evacuation to Rehabilitation	2,500	Reid
DHP	Pacific Based Joint Information Technology Center	6,000	Inouye

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

[In thousands of dollars]

Account	Item name	Committee recommendation	Member
DHP	Pharmacological Countermeasures to Ionizing Radiation	1,000	Coleman
DHP	Pseudofolliculitis Barbae [PFB] Topical Treatment	1,000	Bond
DHP	Security Solutions from Life in Extreme Environments Center	1,500	Crapo
DHP	Theater Enterprise Wide Logistics System [TEWLS]	2,500	Casey, Specter
DI	Alaska National Guard Counter Drug Program	3,000	Stevens
DI	Appalachia High Intensity Drug Trafficking Area -Tennessee National Guard	4,000	Alexander, Corker
DI	Hawaii National Guard Counterdrug	3,000	Inouye
DI	Kentucky National Guard Counterdrug Program	3,600	McConnell
DI	Midwest Counterdrug Training Center	5,000	Grassley, Harkin
DI	Nevada National Guard Counterdrug Operations	3,500	Reid
DI	New Mexico National Guard Counterdrug Program	3,000	Bingaman, Domenici
DI	Northeast Counterdrug Training Center [NCTC]	3,000	Cardin, Specter
DI	Regional Counterdrug Training Academy-Meridian	2,500	Cochran
DI	West Virginia Counterdrug Program	1,000	Byrd
DPA	ALON and Spinel Optical Ceramics	5,000	Feinstein, Kerry
DPA	Automated Composite Technologies and Manufacturing Center	5,000	Bennett, Hatch
DPA	Carbon Foam Program	12,000	Byrd
DPA	Extremely Large, Domestic Expendable and Reusable Structures Manufacturing Center [ELDERS].	8,000	Cochran, Shelby, Wicker
DPA	High Homogeneity Optical Glass	4,000	Specter
DPA	Hybrid Plastics and POSS Nanotechnology Engineering Scale-Up Initiative	3,000	Cochran, Wicker
DPA	Lightweight Small Caliber Ammunition Production Initiative	4,200	Cochran, Wicker
DPA	Reactive Plastic CO_2 Absorbent Production Capacity	2,000	Biden, Carper
DPA	Read Out Integrated Circuit Manufacturing Improvement	2,000	Craig, Crapo
DPA	Silicon Carbide Armor Manufacture Initiative	2,000	Bunning
DPA	Titanium Metal Matrix Composite and Nano Enhanced Titanium Development	4,000	Byrd
GP	Joint Venture Education Program	5,500	Inouye
GP	USS Missouri	9,900	Inouye
NDSF	Massachusetts Maritime Academy, Conversion of the Training Ship Enterprise	10,000	Kennedy, Kerry
NGA	Intelligence Community Academic Outreach	2,000	Hatch
NGPA	Joint Interagency Training and Education Center	3,600	Byrd
NGPAF	Crypto-Linguist/Intelligence Officer Initiative	3,400	Hagel, Nelson [NE]
NGPAF	Joint Interagency Training and Education Center	650	Byrd
NIP	Biometric Research	2,000	Rockefeller

NIP	Intelligence Community Academic Outreach	2,000	Hatch
NIP	Intelligence Training Program	200	Rockefeller
NIP	Littoral Net Centric Operations	3,000	Rockefeller
NIP	National Media Exploitation Center	9,800	Rockefeller
OMA	49th Missile Defense Battalion Infrastructure and Security Upgrades	2,200	Stevens
OMA	Air Battle Captain	2,000	Conrad, Dorgan
OMA	Army Condition-Based Maintenance	3,000	Feinstein
OMA	Army Conservation & Ecosystem Management	4,500	Inouye
OMA	Biometrics Operations Directorate Transition	2,000	Byrd
OMA	Electronic Records Management Pilot Program	1,500	Casey, Lieberman
OMA	Family Support for the 1/25th and 4/25th	4,000	Stevens
OMA	Human Resource Command Training	2,500	Bunning
OMA	Joint National Training Capability—Red Flag/Northern Edge Training Range Enhancements	14,700	Stevens
OMA	Ladd Field Paving	2,500	Stevens
OMA	Lightweight Ballistic Maxillofacial Protection System	3,500	Craig, Crapo, Nelson [FL]
OMA	Repair of Barracks, including roof removal and replacement	2,900	Bunning
OMA	Rock Island Arsenal, Building No. 299 Roof Removal and Replacement, Phase III	5,000	Grassley, Harkin, Durbin
OMA	Sawfly Laser Protective Lenses	3,000	Leahy
OMA	Training Area Restoration	5,500	Stevens
OMA	Tricon & Quadcon Shipping Containers	1,500	Graham
OMA	UAS Center of Excellence	3,000	Sessions
OMA	U.S. Army Alaska Bandwidth Shortfalls	3,000	Stevens
OMA	U.S. Army Alaska Critical Communications Infrastructure	1,400	Stevens
OMAF	11th Air Force Consolidated Command Center	9,400	Stevens
OMAF	11th Air Force Critical Communications Infrastructure	4,800	Stevens
OMAF	Advanced Ultrasonic Inspection of Aging Aircraft Structures	1,000	Inhofe
OMAF	Alaska Civil Air Patrol Strategic Upgrades and Training	800	Stevens
OMAF	Alaska Land Mobile Radio	2,900	Stevens
OMAF	Alaskan NORAD Region Communications Survivability and Diversity	5,300	Stevens
OMAF	C–17 Assault Landing Zone	16,000	Stevens
OMAF	Center for Space and Defense Studies	600	Allard
OMAF	Civil Air Patrol	1,700	Bennett, Biden, Brownback, Byrd, Cardin, Carper, Harkin, Hatch, Snowe
OMAF	Defense Critical Languages and Cultures Initiative -Angelo State University	3,000	Hutchison
OMAF	Eielson AFB Coal-to-Liquid Initiative	5,000	Stevens
OMAF	Eielson Utilidors	9,000	Stevens
OMAF	Electrical Distribution Upgrade at Hickam	8,500	Inouye
OMAF	Joint National Training Capability—Red Flag/Northern Edge Training Range Enhancements	8,600	Stevens

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

[In thousands of dollars]

Account	Item name	Committee recommendation	Member
OMAF	Joint National Training Capability—Red Flag/Northern Edge Pacific Alaska Range Complex Environmental Assessment.	3,300	Stevens
OMAF	Land Mobile Radios [LMR]	2,000	Reid
OMAF	Military Legal Assistance Clinic	1,000	Brown
OMAF	Mission Critical Power System Reliability Surveys	1,500	Shelby, Specter, Voinovich
OMAF	National Security Space Institute	2,800	Allard
OMAF	Revitalize Buckley AFB Small Arms Training Range	980	Salazar
OMAF	USAF Engine Trailer Life Extension Program	3,000	Reid
OMANG	Active Noise Reduction Headsets	1,000	Smith, Wyden
OMANG	Controlled Humidity Protection [CHP]	2,000	Graham
OMANG	Crypto-Linguist/Intelligence Officer Initiative	800	Hagel, Nelson [NE]
OMANG	DART (DCGS Analysis and Reporting Team)	3,000	Voinovich
OMANG	Joint Interagency Training and Education Center	150	Byrd
OMANG	National Guard and First Responder Resiliency Training	1,500	Brownback
OMANG	Scathe View	500	Reid
OMANG	Squadron Operations Facility Repair—Phase I	2,200	Brownback
OMANG	UAV Technology Evaluation Program	3,000	Brownback
OMANG	Unmanned Aerial System Mission Planning	500	Brownback
OMARNG	2nd Generation Extended Cold Weather Clothing System [ECWCS]	4,000	Biden, Carper, Mikulski, Reed
OMARNG	Army National Guard Battery Modernization Program	3,000	Bond
OMARNG	Colorado National Guard Reintegration Program	1,000	Salazar
OMARNG	Columbia Regional Geospatial Service Center System	4,000	Hutchison
OMARNG	Emergency Satellite Communications Packages	3,000	Cornyn
OMARNG	Expandable Light Air Mobility Shelters [ELAMS] and Contingency Response Communications System [CRCS].	5,000	Durbin, Stabenow
OMARNG	Family Support Regional Training Pilot Program	1,900	Gregg, Sununu
OMARNG	Helmets to Hardhats	3,200	Clinton
OMARNG	Joint Interagency Training and Education Center	5,600	Byrd
OMARNG	Pennsylvania National Guard Integration of the Joint CONUS Communications Support Environment [JCCSE].	2,500	Casey
OMARNG	Rapid Data Management System [RDMS]	5,000	Collins, Gregg
OMARNG	Vermont Army National Guard Mobile Back-Up Power	1,000	Sanders
OMARNG	Vermont Service Member, Veteran, and Family Member Outreach, Readiness, and Reintegration Program.	4,000	Leahy, Sanders

OMARNG	WST-Florida National Guard	3,000	Nelson [FL]
OMARNG	Yellow Ribbon—Alaska National Guard	500	Stevens
OMARNG	Yellow Ribbon Reintegration Program	2,000	Coleman, Klobuchar
OMDW	Aircraft Logging and Event Recording for Training and Safety [ALERTS]	2,000	Conrad, Dorgan
OMDW	Defense Critical Languages and Cultures Program at University of Montana	2,000	Baucus, Tester
OMDW	Hunter's Point Naval Shipyard Improvements	10,000	Feinstein
OMDW	Intermodal Marine Facility -Port of Anchorage	10,000	Stevens
OMDW	Joint Tanana Range Access	60,000	Murkowski, Stevens
OMDW	Phase II of Stabilization/Repair of the Ship Repair Facility at the Military Ocean Terminal	8,500	Lautenberg, Menendez
OMDW	Phased Redeployment Study	3,000	Kennedy
OMDW	Project SOAR (Student Online Achievement Resources Virtual School)	5,000	Grassley, Harkin
OMDW	Strategic Language Initiative	1,500	Boxer
OMMC	Acclimate Flame Resistant High Performance Base Layers	2,000	Dole
OMMC	Advanced Load Bearing Equipment	2,000	Reed
OMMC	Combat Desert Jacket	4,000	Biden, Carper, Mikulski
OMMC	Telecom Upgrade to MCBH	4,500	Inouye
OMMC	US Marine Corps Installation Access Enterprise Solution Project	1,000	Smith, Wyden
OMN	CPI-Metamorphose/i3 Technical Data Conversion and Support	3,000	Baucus
OMN	Digitization, Integration, and Analyst Access of Investigative Files, Naval Criminal Investigative Services.	6,000	Byrd
OMN	Energy Education Accreditation for Military Personnel	500	Conrad, Dorgan
OMN	Military Physician Combat Medical Training	1,000	Martinez
OMN	Mk 45 Mod 5" Gun Depot Overhauls	9,000	McConnell
OMN	PMRF Flood Control	2,900	Inouye
OMN	SPAWAR Systems Center	1,000	Landrieu, Vitter
OPA	1/25th Range Upgrades	7,000	Stevens
OPA	Advanced Field Artillery Tactical Data Systems [AFATDS]	2,000	Lincoln, Pryor
OPA	Aircraft Landing System	1,000	Klobuchar
OPA	Aircraft Rescue Fire Fighter Vehicles for Camp Ripley, MN	1,200	Klobuchar
OPA	AN/PSQ–23 Small Tactical Optical Rifle Mounted Micro-Laser Range Finder	1,500	Gregg, Sununu
OPA	Army Aviation -Automatic Identification Technology Life Cycle Asset	2,500	Shelby
OPA	Ballistic Protection for Remote Forward Operating Bases	2,000	Collins, Salazar, Snowe
OPA	Call for Fire Trainer II/Joint Fires and Effects Trainer System [JFETS]	4,500	Inhofe
OPA	Combat Arms Training Systems [FATS upgrade]	2,000	Chambliss, Isakson
OPA	Combined Arms Virtual Trainer for TN ARNG	5,000	Corker
OPA	Deployable, Mobile Digital Target System for Armor and Infantry, TN ARNG	500	Alexander
OPA	Detonation Suppression System	5,000	Landrieu, Vitter
OPA	Embedded GPS Receivers for the North Carolina ARNG	1,000	Dole
OPA	Engagement Skill Trainer 2000 for TN ARNG	1,000	Alexander
OPA	Fido Explosive Detector	3,000	Inhofe

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

[In thousands of dollars]

Account	Item name	Committee recommendation	Member
OPA	Fire Suppression Panels	2,500	Brownback
OPA	Fort Knox Godman Airfield Area Surveillance Radar	10,400	McConnell
OPA	Future Medical Shelter System [FMSS]	3,000	Dodd, Lautenburg, Leahy, Lieberman, Menendez
OPA	Ground Guidance for Army Movement Tracking System	1,000	Coleman, Klobuchar
OPA	Helicopter Civil Band Radio Communication System	1,300	Klobuchar
OPA	I–HITS for Montana Joint Training	3,000	Baucus
OPA	Immersive Group Simulation Virtual Training System for HI ARNG	1,500	Akaka
OPA	Information Technology Upgrades at the Detroit Arsenal	2,000	Levin
OPA	Instrumentation for Urban Assault Course, Tullahoma, TN	1,200	Alexander
OPA	Joint Task Force—Alaska Deployable Communications	1,700	Stevens
OPA	Laser Collective Combat Advanced Training System	4,000	Reed
OPA	Lightweight Maintenance Enclosure	5,400	Alexander
OPA	MQ–5B Hunter UAV	5,000	Cochran, Wicker
OPA	Muscatatuck Urban Training Center Instrumentation	2,000	Bayh, Lugar
OPA	New Combat Helmet	3,000	Leahy
OPA	Phoenix Quad-Band Satellite Receiver Terminals for DE ARNG	5,000	Biden, Carper
OPA	Polaris Defense All Terrain Ultra Light Tactical Vehicles	3,000	Coleman, Harkin, Klobuchar
OPA	Radio Personality Modules for SINCCARS Test Sets	2,000	Roberts
OPA	Satellite Multi-Modal Collaborative Crisis and Training Network	2,000	Coleman, Klobuchar
OPA	Virtual Interactive Combat Environment for NJ ARNG	4,000	Lautenberg, Menendez
OPA	Wideband Imagery Dissemination System for the ARNG	3,000	Cochran
OPAF	Alaskan NORAD Region Communications Survivability and Diversity	1,400	Stevens
OPAF	Base Low-cost Integrated Surveillance System	5,000	Conrad, Dorgan
OPAF	Hawaii ANG Eagle Vision Program One-Meter SAR and Communications Upgrades	3,500	Akaka
OPAF	Joint National Training Capability—Red Flag/Northern Edge Training Range Enhancements	8,000	Stevens
OPAF	Laser Marksmanship Training System [LMTS]	3,000	Mikulski
OPAF	Life Support Radio Test Sets	1,000	Brownback
OPAF	Nanotechnology Equipment for Laboratories	1,000	Salazar
OPAF	NORAD and USNORTHCOM Interoperable Communications	3,000	Salazar
OPAF	Observations Systems for the 21st Century	3,000	Murray
OPAF	Revitalize Buckley AFB Small Arms Training Range	1,020	Salazar
OPAF	Science, Engineering, and Laboratory Data Integration [SELDI]	1,000	Bennett, Hatch
OPAF	Unmanned Threat Emitter [UMTE] Modernization	5,000	Reid, Schumer

OPN	66 Foot Coastal Command Boat	5,000	Cantwell, Murray
OPN	Advanced Mission Extender Device Kits	2,500	Leahy
OPN	AN/WSN–7 Fiber Optic Gyro System Upgrade	3,000	Warner, Webb
OPN	CVN Propeller Replacement Program	5,000	Cochran, Wicker
OPN	High Speed Aluminum Towable Boat Lifts	4,000	Cantwell, Murray
OPN	Integrated Voice Communications System for the SSN–688I	3,000	Lautenberg, Menendez
OPN	LSD Main Propulsion Diesel Engine Upgrade	6,000	Kohl
OPN	Multi Climate Protection System	2,000	Kennedy, Kerry, Stabenow
OPN	PHNSY Upgrades	4,000	Inouye
OPN	Remote Monitoring and Troubleshooting Project	2,500	Shelby
OPN	Standardized Metrics Assessment of Readiness Training	3,500	Reed
OPN	Virtual Perimeter Monitoring System	3,000	Mikulski
PAA	60mm Mortar, All Types	2,000	Lincoln, Pryor
PAA	Ammunition Production Base Support (Scranton AAP)—Electrical Substations Upgrade	1,500	Casey, Specter
PAA	CTG, Arty, 155mm, All Types	2,000	Lincoln, Pryor
PAA	CTG, Mortar, 120mm, All Types	2,000	Lincoln, Pryor
PAA	Grenades, All Types	5,000	Lincoln, Pryor
PAA	Rapid Wall Breaching Kit [RWBK]	4,000	McConnell
PAA	Supercritical Water Oxidation, Bluegrass Army Depot	2,100	Bunning
PAAF	MCAAP Bomb Line Modernization	1,000	Inhofe
PANMC	Grenades, All Types	2,000	Lincoln, Pryor
PDW	Joint Biological Standoff Detection System	5,000	Shelby
PDW	Joint Chemical Agent Detector	5,000	Mikulski
PDW	LA–5/PEQ Integrated Small Arms Illuminator	1,500	Gregg
PDW	M53 Individual Protective Mask	2,000	Levin
PDW	Mission Helmet Recording System	3,000	Gregg, Sununu
PDW	MK47 Mod 0 Advanced Lightweight Grenade Launcher	4,500	Collins, Snowe
PDW	Reactive Skin Decontamination Lotion	4,100	Cochran
PDW	Small Arms Training Ranges	2,500	Ensign, Reid
PDW	SOF Combat Assault Rifle	3,000	Graham
PDW	SOVAS Hand Held Imager/Long Range	3,000	Kennedy, Kerry
PDW	SOVAS Hand Held Imager/Pocket	2,500	Gregg, Sununu
PMA	PATRIOT Tactical Command Station [TCS]/Battery Command Post [BCP]	3,000	Sessions, Shelby
PMC	Combat Casualty Care Equipment Upgrade Program	2,500	Graham
PMC	IP Distribution Boxes and Category 5E Cables	2,500	Bond
PMC	Nitrile Rubber Collapsible Storage Units	1,500	Cochran
PMC	On Board Vehicle Power Kits for MTVR	10,000	Kohl
PMC	Performance Enhancements for Information Assurance and Information Systems	6,400	Cochran, Wicker
RDA	101st Airborne Injury Prevention & Performance Enhancement Research Initiative	2,500	Alexander, Corker
RDA	2.0kW Stirling Tactical Cogeneration System [STaCS]	2,000	Cantwell, Murray

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

[In thousands of dollars]

Account	Item name	Committee recommendation	Member
RDA	Academic Support and Research Compliance for Knowledge Gathering	2,000	Roberts
RDA	Accelerated Materials Development and Characterization for Army Cannon Systems	2,500	Johnson
RDA	Adaptive Lightweight Materials for Missile Defense	2,000	Baucus, Tester
RDA	Advanced Battery Technology [3D2 ABT]	5,000	Durbin
RDA	Advanced Cavitation Power Technology	5,500	Cochran
RDA	Advanced Cluster Energetics	4,000	Lautenberg, Menendez
RDA	Advanced Commercial Technology Insertion for Aviation and Missile Research, Development, and Engineering.	3,000	Shelby
RDA	Advanced Corrosion Protection for Military Vehicles	3,000	Kohl
RDA	Advanced Demining Technology	5,900	Leahy
RDA	Advanced Digital Hydraulic Hybrid Drive System	2,000	Coleman, Klobuchar, Levin, Stabenow
RDA	Advanced Electronics Rosebud Integration	4,000	Johnson, Thune
RDA	Advanced Environmental Control Systems	6,000	Reid
RDA	Advanced Fuel Cell Research	3,000	Cornyn, Hutchison
RDA	Advanced Functional Nanomaterials for Biological Processes	2,000	Lincoln, Pryor
RDA	Advanced Fuzing Technologies	4,500	Byrd
RDA	Advanced Hybrid Electric Vehicle Technologies for Fuel Efficient Blast Protected Vehicles	1,500	Graham
RDA	Advanced Lithium Iron Phosphate Battery System	2,000	Levin, Stabenow
RDA	Advanced Live, Virtual, and Constructive Training Systems	2,000	Grassley, Harkin
RDA	Advanced Lower Limb Prostheses for Battlefield Amputees	2,000	Kennedy, Kerry
RDA	Advanced Magnetic Nanosensors for Defense Applications	6,000	Hagel, Nelson [NE]
RDA	Advanced Manufacture of Lightweight Components	3,000	Kohl
RDA	Advanced Modeling Technology for Large Structure Titanium Machining Initiative	1,000	Coleman, Klobuchar, Stabenow
RDA	Advanced Regenerative Medicine Therapies for Combat Injuries	3,000	Casey, Specter
RDA	Advanced Soldier Portable Power Systems Technologies	2,000	Cochran, Wicker
RDA	Advanced Strap Down Seeker	5,000	Gregg, Sununu
RDA	Advanced Surface Technologies for Prosthetic Development	2,000	Baucus, Tester
RDA	Advanced Tactical Fuels for the U.S. Military	4,000	Conrad, Dorgan
RDA	Advanced Thermal Management System	2,000	Levin
RDA	Advanced UV Light Diode Sensor Development	2,000	Graham
RDA	Advanced Wireless Technologies	1,500	Casey, Schumer, Specter
RDA	Affordable Light-Weight metal matrix composite armor	2,000	Reid
RDA	AHW BMC2 HWIL Technology Demonstration	2,000	Shelby, Wicker

RDA	Air, Space and Missile Defense Architecture Analysis Program [A3P]	1,500	Sessions
RDA	Airborne Threats	1,500	Stevens
RDA	Alternative Power Technology for Missile Defense	4,000	Johnson, Thune
RDA	Antiballistic Windshield Armor	3,000	Bayh, Graham, Lugar
RDA	Applied Power Management Control and Integration	1,000	Levin, Stabenow
RDA	Arabic Language Training Program	1,200	Brownback
RDA	Army Aviation Weapon Technology	1,000	Shelby
RDA	Army Center of Excellence in Acoustics	5,500	Cochran
RDA	Army Responsive Tactical Space [ARTS]	3,000	Cochran
RDA	Army Responsive Tactical Space System Exerciser [ARTSSE]	2,000	Sessions, Shelby
RDA	Arroyo Center	4,500	Feinstein
RDA	Automated Communications Support System for Warfighters, Intelligence Community, Linguists, and Analysts.	2,000	Chambliss, Isakson
RDA	Ballistic Armor Research	4,000	Specter
RDA	Battlefield Tracheal Intubation	4,200	Nelson [NE]
RDA	Biodefense Tech Transfer Initiative [BTTI]	1,500	Cardin, Mikulski
RDA	Bioelectrics Research for Casualty Care and Management	2,000	Warner, Webb
RDA	Biological Air Filtering System Technology [BAFST]	1,000	Lincoln, Pryor
RDA	Biometrics DNA Applications	2,000	Byrd
RDA	Biosecurity for Soldier Food Safety	2,000	Roberts
RDA	Biosensor, Communicator and Controller System	5,000	Reid
RDA	Blood Safety and Decontamination Technology	2,000	Coleman
RDA	Blood, Medical & Food Safety Via Eco-Friendly Wireless Sensing	1,000	Coleman, Klobuchar
RDA	Border Security and Defense Systems Research	2,000	Hutchison
RDA	Boston University Photonics Center	3,000	Kennedy, Kerry
RDA	Burn and Shock Trauma Institute	2,000	Durbin
RDA	CAMEL—Water transport system	1,000	Bond
RDA	Capability Expansion of Spinel Transparent Armor Manufacturing	6,400	Allard, Salazar
RDA	Carbon Nanotube Production	1,500	Hutchison
RDA	Cellulose Nanocomposites Panels For Enhanced Blast and Ballistic Protection	1,500	Collins, Snowe
RDA	Center for Advanced Energy Storage Research and Technology	2,000	Levin, Stabenow
RDA	Center for Advanced Vehicle Technology and Fuel Development	1,000	Levin
RDA	Center for Aerospace Human Factors Research and Innovation	1,000	Conrad, Dorgan
RDA	Center for Borane Technology	2,000	Bond
RDA	Center for Education in Nanoscience and Nanotechnology	800	Grassley, Harkin
RDA	Center for Information Assurance	1,000	Warner, Webb
RDA	Center for Injury Biomechanics	1,000	Warner, Webb
RDA	Center for Integration of Medicine and Innovative Technology [CIMIT]	3,000	Kennedy, Kerry
RDA	Center of Excellence for Military Operations in Urban Terrain and Cultural Training	3,000	Nelson [FL]
RDA	Ceramic Membrane Battery Systems	1,500	Casey, Specter

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

[In thousands of dollars]

Account	Item name	Committee recommendation	Member
RDA	CH–47 Integrated Vehicle Health Management System [IVHMS]	4,000	Leahy
RDA	Close Combat Missile Modernization (Javelin)	3,700	Sessions, Shelby
RDA	Cogeneration for Enhanced Cooling and Heating of Advanced Tactical Vehicles	3,000	Kohl
RDA	Cold Regions Test Center Distributed Test Coordination Cell	1,500	Stevens
RDA	Columbia College Chicago Construct Program	1,000	Durbin
RDA	Combat Vehicle Electrical Power–21st Century [CVEP–21]	1,000	Bayh, Lugar
RDA	Combat Wound Initiative at WRAMC	2,000	Byrd, Reed
RDA	Compact Pulsed Power for Defense Applications	3,000	Hutchison
RDA	Complementary & Alternative Medicine Research for Military Operations & Healthcare	5,000	Harkin
RDA	Composite Applied Research and Technology for FCS and Tactical Vehicle Survivability	3,000	Biden, Carper
RDA	Composite Bottles for Survival Egress Air	2,500	Crapo
RDA	Condition Based Maintenance and Mission Assuredness for Ground Vehicles	3,000	Isakson, Levin, Stabenow
RDA	Control of Inflammation and Tissue Repair	4,000	Cantwell, Murray
RDA	Control System for Laser Powder Deposition	500	Johnson, Thune
RDA	Crosshairs Hostile Fire Indicating System	2,000	Cornyn
RDA	Cryofracture/Plasma Arc Demilitarization	1,000	Baucus, Tester
RDA	Defense Metals Technology Center	1,000	Brown
RDA	Depleted Uranium Sensing and Treatment for Removal [DUSTR] Program	5,000	Cochran
RDA	Detection Algorithms and Software for Force Protection	2,000	Reed, Whitehouse
RDA	Detection, Mitigation and Neutralization of High Explosive, Remotely Detonated Devices	3,500	Bond
RDA	Development of Drugs for Malaria and Leishmaniasis in U.S. Military and Civilian Personnel	3,400	Cochran
RDA	Development of Improved Lighter-Weight IED/EFP Armor Solutions	1,000	Roberts
RDA	Development of Logistical Fuel Processors	2,800	Sessions
RDA	Development of Truck Deployed Explosive Containment Vessel	2,000	Reid
RDA	Dielectrically Enhanced Sensor Systems [DESS]	1,500	Cochran, Wicker
RDA	Diminishing Manufacturing Sources and Material Shortages [DMSMS] Case Resolution Program	2,000	Levin, Stabenow
RDA	DoD High Energy Laser Test Facility	5,000	Bingaman, Domenici
RDA	Dugway LIDAR and Modeling Improvements	3,000	Bennett, Hatch
RDA	Dynamometer Facility Upgrade	1,000	Levin, Stabenow
RDA	Effect Based Approach to Operations	2,000	Bennett
RDA	Electric Commodity Project	1,000	Byrd
RDA	Electro Conversion of Energetic Materials	4,500	Enzi
RDA	Engineering Replacement Tissues	2,000	Reed, Whitehouse
RDA	Enhanced Digital Electronic Night-Vision [EDEN]	2,000	Hutchison

RDA	Enhanced Military Vehicle Maintenance System Demonstration Project with Anniston Army Depot and Auburn University.	2,000	Shelby
RDA	Enhanced Rapid Tactical Integration and Fielding Systems [ERTIFS]	2,000	Sessions, Shelby
RDA	Enhanced Robotic Manipulators for Defense Applications	900	Enzi
RDA	Enhanced Vapor Aeration Capabilities [EVAC]	3,000	Voinovich
RDA	Expansion and Development Upper and Lower Bionic Limbs	2,500	Durbin
RDA	Exploding Foil Initiators [EFI] with Nanomaterial-Based Circuits	2,000	Johnson
RDA	Extended Range Modular Sniper Rifle System	2,500	Inhofe
RDA	Facilitating Use of Advanced Prosthetic Limb Technology	2,000	Durbin
RDA	FCV Advanced Suspension System	2,000	Reid
RDA	Fibrin Adhesive Stat [FAST] Dressing	3,000	Burr, Cardin, Dole, Mikulski, Schumer
RDA	Fighting Drug Resistant Infections	2,500	Hagel, Nelson [NE]
RDA	Flexible Electronics Research Initiative	2,000	Specter
RDA	Freeze Dried Blood Technology Clinical Research	2,000	Cardin, Inhofe
RDA	Future TOC Hardware/Software Integration	2,500	Sessions, Shelby
RDA	Garment-Based Physiological Monitoring Systems	2,000	Biden, Carper
RDA	Geosciences/Atmospheric Research [CG/AR]	2,000	Allard, Salazar
RDA	Global Military Operating Environment	2,000	Ensign, Reid
RDA	Ground Vehicle Integration Technologies	3,000	Levin
RDA	Ground Vehicle Reliability Modeling for Condition-Based Maintenance	1,000	Levin, Stabenow
RDA	Ground-forces Readiness Enabler for Advanced Tactical Vehicles [GREAT–V]	1,000	Hutchison
RDA	Health Information Technology Demonstration Project at Madigan Army Medical Center and Puget Sound VA Medical Center.	1,000	Cantwell
RDA	Health Sciences Regenerative Medicine Center	3,000	Burr, Dole
RDA	Heat Dissipation for Electronic Systems and Enclosures	2,500	Reid
RDA	Heavy Fuel Engines for Unmanned Systems	2,000	Stabenow
RDA	Heavy Metals Total Life-Cycle Initiative	1,000	Bingaman, Domenici
RDA	Helicopter Vulnerability Reduction	1,500	Dodd, Lieberman
RDA	Heuristic Internet Protocol Packet Inspection Engine [HIPPIE]	2,500	Bond
RDA	HEV Battery System for Future Combat System	2,000	Bayh, Lugar
RDA	Hibernation Genomics	2,000	Stevens
RDA	High Altitude Integration Testbed [HIT]	3,000	Sessions, Shelby
RDA	High Altitude Shuttle System for Battlespace Coverage	1,000	Smith, Wyden
RDA	High Explosive Air Burst [HEAB] 25mm Ammunition	5,500	Durbin
RDA	High Fidelity Virtual Simulation and Analysis	2,000	Shelby
RDA	High Power Electrolytic Super-Capacitors Based On Conducting Polymers	1,000	Bond
RDA	High Pressure Processing Prototype for Meals-Ready-to-Eat [MRE]	2,000	Murray
RDA	High Speed Digital Imaging	4,500	Gregg, Sununu
RDA	High Temperature Polymers for Missile System Applications	3,200	Cochran

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

[In thousands of dollars]

Account	Item name	Committee recommendation	Member
RDA	High-Frequency, High-Power Electronic and Optoelectronic Devices on Aluminum Nitride	2,500	Burr
RDA	Hi-Tech Eyes for the Battlefield	2,000	Hutchison
RDA	Hostile Fire Indicator	5,000	Gregg, Sununu
RDA	Hull Humvee Protection Program	2,000	Graham
RDA	Hybrid Electric (Heavy Truck) Vehicle	3,000	Cardin, Mikulski
RDA	Hybrid Luminescent Ammunition	1,000	Landrieu, Vitter
RDA	Hydrogen Batteries for the Warfighter	2,000	Graham
RDA	HYPERSAR	3,000	Bond
RDA	Implementation of an Advanced Tactical Wheeled Armored Vehicle System	3,000	Levin
RDA	Improvised Explosive Device Simulation for Different Soils	500	Johnson, Thune
RDA	Individual Airburst Weapon System	1,000	Coleman, Klobuchar, Lautenberg, Menendez
RDA	InfraRed Goggle Upgrade System [IRGUS]	1,000	Cornyn
RDA	Integrated Patient Quality Program	2,000	Craig, Crapo
RDA	Integrated Vehicle Health Monitoring System	2,000	Kennedy
RDA	International Heart Institute/US Army Vascular Graft Research Project	1,000	Baucus, Tester
RDA	Joint Fires and Effects Training System [JFETS]	2,500	Inhofe
RDA	Joint Urban Environment Test Capability	2,000	Bingaman
RDA	Kinetic Energy Enhanced Lethality and Protection Materials	2,000	Alexander, Corker
RDA	Knowledge, Innovation and Technology Sharing Program	2,000	Bond
RDA	Large Area Monitoring Network [LAMNET]	6,000	McConnell
RDA	Large Format Li-Ion Battery	1,000	Kohl
RDA	Laser Based Explosives, Chem/Bio Standoff and Point Detector	4,000	Cardin, Mikulski
RDA	Laser Studied and Enhanced Reactive Materials: Self-Decontaminating Polymers for Chemical-Biological Defense.	2,000	Craig, Crapo
RDA	Lattice Block Structures for AM2 Matting Replacement	2,500	Gregg, Sununu
RDA	Legacy Aerospace Gear Drive Re-Engineering Initiative	2,000	Dodd
RDA	Light Tactical Vehicle Ambulance Shelter	3,000	Biden, Cantwell, Murray
RDA	Light Weight Structural Composite Armor for Blast and Ballistic Protection	2,000	Burr
RDA	Lightweight 1–2 Person Low-Pressure Inflatable Tents	1,000	Gregg
RDA	Lightweight Anti-Ballistic Protection for Aircraft	500	Enzi
RDA	Lightweight Caliber .50 Machine Gun [LW50MG]	10,000	Collins, Leahy, Snowe
RDA	Lightweight Cannon Recoil Reduction	2,400	Ensign, Reid
RDA	Lightweight Partial Hybrid Electric Military Transport Vehicle	2,000	Bayh, Lugar

RDA	Lightweight Soldier Sensor Computing	1,000	Kohl
RDA	Lightweight Transparent Armor for Force Protection	2,500	Casey, Specter
RDA	Limb Tissue Regeneration after Battlefield Injuries Using Bone Marrow Stem Cells	3,000	Murray, Smith, Wyden
RDA	Long Range Hypersonic Interceptor	1,000	Brownback, Roberts
RDA	Lookout Small Scale Radar Program	2,000	Schumer
RDA	Low Cost Interceptor	3,000	Shelby
RDA	Low Temperature Vehicle Performance Research	2,000	Levin
RDA	Magneto-Rheological Suspensions for Tactical Wheeled Vehicles	1,500	Dole, Stabenow
RDA	Manufacturing Metrology for Weapon System Production and Sustainment [M2WSPS]	2,200	Reed
RDA	MARIAH Hypersonic Wind Tunnel Development Program	4,000	Baucus, Tester
RDA	Maryland Proof of Concept Alliance for Defense Technologies	3,500	Mikulski
RDA	Medical Modeling and Simulation Through Synthetic Digital Genes	1,000	Craig, Crapo
RDA	Medium Caliber Metal Parts Upgrade	1,500	Casey, Specter
RDA	MEMS Antenna for Wireless Comms	3,000	Conrad, Dorgan
RDA	Michigan Technological University's Project for Diverse Sensing for Synergistic Force Protection in Urban Threat Environments.	1,000	Stabenow
RDA	Military Burn Trauma Research Program	4,000	Boxer
RDA	Military Fuels Research Program	2,000	McConnell
RDA	Military Jet-Fueled Fuel Cell Generator	1,000	Smith, Wyden
RDA	Military Nutrition Research: Personnel Readiness and Warfighter Performance	2,000	Landrieu, Vitter
RDA	Military Photomedicine Program	3,500	Boxer, Dole, Kennedy
RDA	Mini-LRAS3 Scout Surveillance System	2,000	Gregg, Sununu
RDA	Missile Attack Early Warning System [MAEWS]	2,500	Shelby
RDA	Mission Execution Technology Implementation (Phase II)	4,000	Bond
RDA	MLRS Disposal System	3,000	Ensign, Reid
RDA	Modeling and Testing of Next Generation Body Armor	2,500	Durbin
RDA	Modular Ballistic System for Force Protection	1,000	Collins, Snowe
RDA	Modular Stethoscope For Harsh Environments	1,500	Coleman
RDA	Moldable Fabric Armor	1,500	Graham
RDA	Mosquito Born Disease Prevention: Malaria & Dengue Fever	1,000	Dodd, Lautenberg, Lieberman, Menendez
RDA	Moving Vehicle BAT Face Recognition Surveillance System	1,500	Gregg, Sununu
RDA	Multipurpose Nanosat Missile System [MNMS] formerly Integrated Nanosat Delivery System [INDS].	6,000	Shelby
RDA	Multi-Utility Materials for Army Future Combat Systems	8,000	Grassley, Harkin, Johnson, Thune
RDA	Munitions Evaluation for Composite Electric Armor	1,500	Coleman
RDA	Nanocomposite Enhanced Radar and Aerospace Materials [NERAM]	1,500	Hutchison
RDA	Nanomanufacturing of Multifunctional Sensors	1,000	Kennedy, Kerry
RDA	Nanophotonic Devices	2,000	Hutchison
RDA	Nanoscale Biosensors	2,500	Lincoln, Pryor

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

[In thousands of dollars]

Account	Item name	Committee recommendation	Member
RDA	NanoSensor StageGate Accelerator	1,000	Schumer
RDA	Nanotechnology Manufacturing Center	2,000	Chambliss
RDA	Nanotubes Optimized for Lightweight Exceptional Strength [NOLES] Composite Materials	2,000	Martinez, Nelson [FL]
RDA	National Biodefense Training	5,000	Hutchison
RDA	Near-Net Shaped Direct-Sintered Silicon Carbide Torso Plates	2,000	Lincoln, Pryor
RDA	Networked Dynamic Spectrum Access Investigation Enhanced MBITR	3,000	Mikulski
RDA	Next Generation Ice Protection Technologies	2,000	Roberts
RDA	Next Generation Lightweight Drive System for Army Weapons Systems	2,000	Johnson, Thune
RDA	Next Generation Non-Tactical Vehicle Propulsion	2,000	Levin, Mikulski, Schumer, Stabenow
RDA	Next Generation Protective Seat	2,000	Casey, Specter
RDA	Next-generation Combat Helmet Development	2,800	Dole
RDA	Novel Approaches to Reduce the Severity of Battlefield Combined Tissue Injury	2,000	Ensign, Reid
RDA	Novel Extremity Body Armor	600	Johnson, Thune
RDA	Novel Flame Retardant Nylon Fabrics	1,500	Chambliss
RDA	Novel Guidance Kit–Phase 2 [NGK2] for M864 Projectile	4,000	Burr, Coleman, Leahy
RDA	Novel Methods for Detecting and Inhibiting Corrosion	1,700	Conrad, Dorgan
RDA	Novel Onboard Hydrogen Storage System Development	1,000	Levin
RDA	ONAMI Miniature Tactical Energy Systems Development	3,000	Smith, Wyden
RDA	Online Medical Training for Military Personnel	3,500	McConnell
RDA	Open Source Intelligence for Force Protection and Intelligence	2,000	Hutchison, Roberts
RDA	Optical Neural Techniques for Combat/Post-Trauma Healthcare	2,000	Cantwell, Murray
RDA	Optimized M–25 Soldier Fuel Cell System	2,000	Biden
RDA	Organic Semiconductor Modeling and Simulation	1,500	Cornyn
RDA	Orion High Altitude Long Loiter [HALL] UAV	5,000	Cochran, Wicker
RDA	Parts on Demand for CONUS Operations	5,000	Conrad, Dorgan
RDA	Passive IR Sensor for Persistent Wide Area Surveillance	2,500	Gregg
RDA	Payload and Advanced Development for Next Generation Robot Platform	2,000	Kennedy, Kerry
RDA	Peer Reviewed Orthopaedic Extremity Trauma Research	5,000	Bayh, Cornyn, Harkin, Hutchison, Landrieu
RDA	Plasma Sterilizer	3,000	Coleman, Klobuchar
RDA	Portable autonomous fluid-less near-infrared non-invasive alcohol testing devices	500	Bingaman
RDA	Portable Emergency Broadband System	4,000	Casey, Specter
RDA	Portable Non-Magnetic Compass/Positioning/Timing Device	1,000	Collins, Snowe
RDA	Positron Sensors and Energy Applications	3,000	Cantwell, Murray

RDA	Power and Energy Research Equipment Upgrades	6,000	Levin
RDA	Press-Loaded Explosive Projectile Washout Line	1,000	Coleman, Klobuchar, Lugar
RDA	QuickMEDS	1,000	Sessions
RDA	Radar Tag Emitters	3,000	Domenici
RDA	Radiation Hardening Initiative [RHI]	3,000	Sessions, Shelby
RDA	Raman Chemical ID System	2,000	Kennedy
RDA	Remote Unmanned Vehicle Checkpoint System	1,000	Levin, Stabenow
RDA	Renewable Energy for Military Applications	2,000	Bayh, Lugar
RDA	Renewable Jet Fuel from Lignocellulosic Feedstocks	4,000	Johnson, Thune
RDA	Respiratory Biodefense Initiative	2,000	Allard, Salazar
RDA	Ripsaw Unmanned Ground Vehicle [UGV] Weaponization	1,500	Collins, Snowe
RDA	Robotics Vehicle Secure Communications	2,000	Stabenow
RDA	Rugged Electronic Textile Vital Signs Monitoring	3,000	Reed, Whitehouse
RDA	Safe Airway Access in Combat	2,500	Hagel
RDA	Self Powered, Lightweight, Flexible Display Unit on a Plastic Substrate	2,000	Grassley, Harkin
RDA	Shadow Tactical Unmanned Aerial System Flight in the National Airspace	5,000	Cardin, Mikulski
RDA	Short Range Electro Optic [SREO]	2,000	Nelson [FL]
RDA	Small Agile Satellites	500	Feinstein
RDA	Small Business Infrared Material Manufacturing–Silicon Alternative Substrates	5,600	Durbin
RDA	Small Unmanned Aerial Vehicles and Sensors	500	Johnson, Thune
RDA	Smart Data Project: Real-Time Geospatial Video Sensor Intelligence	1,000	Kennedy
RDA	Smart Plug-In Hybrid Vehicle Electrification Program	2,000	Stabenow
RDA	Smart Prosthetic Hand Technology	2,000	Craig, Crapo
RDA	Smart Sensor Supercomputing Center	7,250	Byrd
RDA	Soldier Portable Power Pack for the 21st Century Warrior	1,500	Dole
RDA	Soldier Survival in Extreme Environments	3,700	Hagel, Nelson [NE]
RDA	Solutions for Infection Control in Military Hospitals	2,500	Nelson [NE]
RDA	Stabilized Enzyme Biofuel Cell [SEBC] for Unmanned Ground Sensors	1,000	Bond
RDA	Standoff Hazardous Agent Detection and Evaluation System [SHADES]	3,500	Lincoln, Pryor
RDA	Standoff Improvised Explosive Device Detection Program	3,000	Akaka, Lincoln, Martinez, Pryor
RDA	Staph Vaccine	4,000	Conrad, Dorgan
RDA	Stryker Common Active Protection System [APS] Radar	2,000	Cornyn
RDA	Superior Weapons Systems Through Castings	2,000	Brownback, Lincoln, Pryor, Roberts
RDA	Technologies for Military Equipment Replenishment	1,400	Kohl
RDA	Technology and Human Systems Integration	3,000	Kennedy
RDA	Technology for Rapid Foreign Language Acquisitions for Specialized Military and Intelligence Purposes.	1,500	Sununu
RDA	Terahertz Spectrometer	1,000	Dodd, Lieberman
RDA	Test Support Infrastructure Darning and Trafficability Study	4,000	Bingaman, Domenici
RDA	Thermoelectric Power Generation Materials and Devices	1,500	Hutchison

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

[In thousands of dollars]

Account	Item name	Committee recommendation	Member
RDA	Titanium Extraction, Mining and Process Engineering Research [TEMPER]	3,000	Baucus
RDA	Toxic Particles	1,000	Collins, Snowe
RDA	Trauma Care, Research and Training	3,000	Hutchison
RDA	UAS Sense and Avoid Concept Evaluation for Airspace Integration	3,000	Shelby
RDA	Ultrasonic Impact Technology	1,500	Shelby
RDA	Universal Control—FADEC	4,000	Dodd, Lieberman
RDA	Unmanned Ground Vehicle Initiative [UGVI]	12,000	Levin
RDA	Unserviceable Ammunition Demilitarization via Chemical Dissolution	1,000	Bennett, Hatch
RDA	Urban Patterns and Signatures to Support Counter-Insurgency Operations	1,500	Gregg
RDA	UXO Detection and Classification in Volcanic Soil Using an Integrated Fully Polametic GPR and Chemical Sensor Technology.	1,000	Akaka
RDA	Vectored Thrust Ducted Propeller Compound Helicopter	5,000	Biden, Carper, Casey, Specter
RDA	Vertical Integration for Missile Defense Surveillance Data	4,100	Cochran
RDA	Vision Integrating Strategies in Ophthalmology and Neurochemistry [VISION]	2,000	Cornyn
RDA	Visualization for Training and Simulation in Urban Terrains	1,200	McConnell
RDA	Weight Measurements and Standards for Military Personnel	2,500	Vitter
RDA	Wireless Electronic Patient Records, WPIC—Personal Information Carrier	4,000	Feinstein
RDA	Wireless Medical Monitoring System (WiMed)	2,000	Grassley, Harkin
RDAF	Accelerated Insertion of Advanced Materials and Certification for Military Aircraft Structure Material Substitution and Repair.	3,500	Brownback, Roberts
RDAF	ACES 5 Ejection Seat	7,000	Allard, Bennett, Cochran, Dodd, Lieberman, Salazar, Wicker
RDAF	Advance Threat Alert/Advance Technology Demonstration	6,100	Gregg, Sununu
RDAF	Advanced Carbon Fiber Research Testing Initiative	1,500	Graham
RDAF	Advanced Carbon Foam Heat Exchangers	1,000	Voinovich
RDAF	Advanced Data Exploitation and Visualization	1,000	Brown
RDAF	Advanced Fiber Lasers Systems and Components	1,200	Murray
RDAF	Advanced fuel cell based power system for small UAV applications	1,500	Reid
RDAF	Advanced Military Installations that Integrate Renewable Energy and Advanced Energy Storage Technologies.	4,000	Bond
RDAF	Advanced Modular Avionics for ORS Use	2,000	Bingaman, Domenici
RDAF	Advanced Staring Infrared Testbed [ASIRT] Technology Demonstration	1,200	Allard, Salazar
RDAF	Advanced Technical Intelligence Center [ATIC]	2,500	Voinovich
RDAF	Air Cargo Tracking and Analysis/Secure Skies	1,700	Inouye

RDAF	Air Force Minority Leaders Program	8,000	Alexander, Corker, Hutchison, Landrieu
RDAF	Air Purification with Carbon Nanotube Nanostructured Material	5,000	Leahy
RDAF	Aircraft Evaluation Readiness Initiative	3,000	Grassley, Harkin
RDAF	Aircraft Fatigue Modeling and Simulation	3,000	Hutchison
RDAF	Alternative Energy—Tin City	500	Stevens
RDAF	Alternative Energy Fuel Cell Power Generation	1,000	Brown
RDAF	Applications of LIDAR to Vehicles with Analysis [ALVA]	7,500	Inouye
RDAF	Assessment of Alternative Energy for Aircraft Ground Equipment [AGE]	2,000	Smith, Wyden
RDAF	ASSET eWing and Data Fusion Technology Integration	5,000	Byrd
RDAF	Assured Aerospace Fuels Research	2,000	Voinovich
RDAF	AT–6B Capabilities Demonstration	6,000	Brownback
RDAF	B–1 Bomber 16-Carry Adapter Weapons Initiative	5,200	Johnson, Thune
RDAF	B–2 Advanced Tactical Data Link	11,200	Feinstein, Inhofe
RDAF	BattleSpace: Reducing Military Decision Cycles	1,600	Hagel, Nelson [NE]
RDAF	Biothreat Test Pouch for FilmArray System	1,000	Bennett
RDAF	Center for Microplasma Science and Technology	2,000	Lautenberg, Menendez
RDAF	Center of Excellence for Defense UAV Education	4,000	Conrad, Dorgan
RDAF	Coal Transformation Laboratory	1,000	Lugar
RDAF	Combat Sent Wideband Sensor Upgrade Program	3,800	Ensign
RDAF	Component Object Model [COM] Attitude Control System Simulation/Trainer	2,000	Murray, Warner, Webb
RDAF	Conducting Polymer Stress and Damage Sensors for Composites	1,800	Cochran
RDAF	Consortium for Nanomaterials for Aerospace Commerce and Technology [CONTACT]	3,000	Hutchison
RDAF	Core Component Jammer	3,100	Brownback, Roberts
RDAF	COTS Technology for Space Situational Awareness	3,500	Specter
RDAF	Cyber Attack Mitigation and Exploitation Laboratory [CAMEL] III	2,000	Schumer
RDAF	Cyber Security Laboratory	3,000	Landrieu
RDAF	Defensive Counterspace [DCS] Testbed	1,000	Allard
RDAF	Development and Validation of Advanced Design Technologies for Hypersonic Research	2,000	Coleman, Klobuchar
RDAF	Diamond Substrate for Cooling of Micro-Electronics	2,500	Reed
RDAF	Eielson Air Force Base Coal-to-Liquid Initiative	5,000	Stevens
RDAF	Electromagnetic In-Flight Propeller Balancing System	2,000	Casey, Specter
RDAF	F–15C AESA Radar Classified Demo Follow-On	12,000	Cochran, Feinstein, Wicker
RDAF	Field Programmable Gate Arrays Mission Assurance Center	3,000	Bingaman, Domenici
RDAF	Fire and Blast Resistant Materials for Force Protection	2,000	Kennedy, Kohl
RDAF	Flash Hyper-Dimensional Imaging System for Space Situational Awareness and Ballistic Missile Defense.	2,000	Akaka, Inouye
RDAF	Freedom Fuels/Coal Fuels Alliance	4,000	Bunning
RDAF	Health Surveillance System	2,000	Murray
RDAF	High Temperature Hydrogen Energy Production Facility	1,500	Hutchison

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

[In thousands of dollars]

Account	Item name	Committee recommendation	Member
RDAF	Holloman High Speed Test Track	4,000	Bingaman, Domenici
RDAF	Hybrid Bearing	2,000	Dodd, Dole, Gregg, Lieberman, Voinovich
RDAF	Inductive Thermography Systems Inspection	3,000	Murray
RDAF	Integrated Targeting Device [ITD]	3,000	Nelson [FL]
RDAF	Joint Theater Air Ground Simulation System	3,000	Martinez
RDAF	Large Aircraft Infrared Countermeasures [LAIRCM] for AFSOC AC/MC–130 Aircraft	5,500	Martinez, Nelson [FL]
RDAF	LGX High Temperature Acoustic Wave Sensors	2,000	Collins, Snowe
RDAF	Lightweight, High-Efficiency Solar Cells for Spacecraft	1,000	Durbin
RDAF	Low Voltage, Wideband Electro-Optic Polymer Modulators	3,000	Cantwell, Murray
RDAF	Low-Earth Orbit Nanosatellite Integrated Defense Autonomous Systems	5,000	Inouye
RDAF	Manufacturing of High Energy Superior Lithium Battery Technology	6,000	Bond
RDAF	Massively Parallel Optical Interconnects [MPOI] for ISR Satellites	2,000	Ensign
RDAF	Massively Parallel Optical Interconnects [MPOI] for MicroSatellite Applications	2,000	Reid
RDAF	Materials Integrity Management Research for Air Force Systems	1,000	Roberts
RDAF	Mobile Wind Turbine Systems to Power Forward Bases	1,000	Brown
RDAF	MPOI for Battlespace Information Exchange	3,900	Reid
RDAF	MSSS Operations & Research	22,000	Inouye
RDAF	Multicontinuum Technology for Space Structures	3,600	Enzi
RDAF	Multi-mission Deployable Optical System	5,000	Inouye
RDAF	Multi Platform Radar Technology Improvement Program (MPRTIP) Integration and Test on JSTARS.	20,000	Chambliss, Dodd, Isakson, Lieberman
RDAF	Multi-Sensor Detect, See & Avoid	6,000	Reid
RDAF	Nano-Composite Structures Manufacturing Technology Development	1,000	Brown
RDAF	Next Generation Casting Supplier Base Initiative	3,000	Reid
RDAF	NP 2000 Propeller System—Air National Guard Special Missions C–130	2,000	Dodd, Schumer
RDAF	Nuclear Test Seismic Research	2,500	Kennedy, Kerry, Leahy
RDAF	ONAMI Safer Nanomaterials and Nanomanufacturing	4,000	Smith, Wyden
RDAF	PanSTARRS	8,000	Inouye
RDAF	Partnership in Innovative Preparation for Educators and Students [PIPES] and the Space Education Consortium [SEC].	1,000	Allard, Salazar
RDAF	Persistent Sensing Data Processing, Storage and Retrieval	2,000	Brown
RDAF	PhasorBIRD Helmet Tracker	3,100	Leahy
RDAF	Project Air Force	3,300	Feinstein

RDAF	Radiation Hardened Microelectronics [HX5000] Carbon Nanotube [CNT] Sensors	2,000	Coleman, Klobuchar
RDAF	Rapid Automated Processing of Advanced Low Observables [RAPALO]	2,000	Brown
RDAF	Rapid Replacement of Mission Critical Electronics to Support High Usage Wartime Aircraft Deployments.	1,500	Chambliss, Isakson
RDAF	Real-time Optical Surveillance Applications	3,500	Inouye
RDAF	Reconfigurable Electronics and Non-Volatile Memory Research	2,500	Craig, Crapo
RDAF	Regional Telepathology Initiative at Keesler AFB	2,500	Cochran
RDAF	Scorpion Low Cost Helmet Mounted Cueing & Information Display System	5,000	Durbin
RDAF	Sewage-Derived Biofuels Project	3,000	Cochran
RDAF	Shielding Rocket Payloads	400	Johnson, Thune
RDAF	Silicon Carbide Electronics Material Producibility Initiative	6,000	Cochran
RDAF	Silicon Carbide Power Electronics for More Electric Aircraft [MEA]	3,200	Cochran, Wicker
RDAF	Sonic Infrared Imaging (Sonic IR) Technology Development	1,000	Stabenow
RDAF	Space Qualification of the Common Data Link	2,000	Bennett
RDAF	Space Situational Awareness—TCN Demonstration and Deployment	3,000	Kennedy, Kerry
RDAF	Super-Resolution Sensor System [S3]	2,000	Allard
RDAF	Sustainable Energy Vermont National Guard Demonstration Projects	5,000	Leahy, Sanders
RDAF	Tactical Shelters Next Generation Composite Initiative	2,000	Reid
RDAF	Thin Film Amorphous Solar Arrays	2,000	Levin
RDAF	Transportable Transponder Landing System [TTLS]	4,000	Smith, Wyden
RDAF	Ultra High Resolution Deployable Projector for Simulation	4,000	Enzi
RDAF	Ultra Low Power Electronics	4,000	Craig, Crapo
RDAF	Ultralight Aerospace Nanotube Conductors	2,500	Sununu
RDAF	Vortex Low Cost Rocket Engine	3,000	Kohl
RDAF	Warner Robins Air Logistics Center Special Operations Forces	1,000	Chambliss, Isakson
RDAF	Wideband Digital Airborne Electronic Sensing Array	3,000	Reed, Whitehouse
RDDW	3–D Technology for Advanced Sensor Systems	1,500	Craig, Crapo, Dole
RDDW	Acinetobacter Baumannii Research	2,000	Boxer
RDDW	Advanced Development of Mobile Rapid Response Prototypes	2,000	Lautenberg, Menendez
RDDW	Advanced Information Discovery and Analysis Capability for NSA	1,500	Bennett, Hatch
RDDW	Advanced Long Endurance Unattended Ground Sensor Technologies	4,500	Cochran
RDDW	Advanced Materials Research Institute	3,000	Landrieu, Vitter
RDDW	Advanced Missile Simulation Technology for Intelligence Analysis	1,600	Cochran
RDDW	Advanced Mobile Microgrid	1,000	Levin, Stabenow
RDDW	Advanced SAM Hardware Simulator Development	5,000	Chambliss, Isakson
RDDW	Advanced Tactical Threat Warning Radio [ATTWR]	1,500	Boxer
RDDW	Agile Software Capability Interventions	2,000	Bond
RDDW	All-Source Content Management [ASCMAN] for Actionable Intelligence	2,000	Bond
RDDW	Antibody-Based Therapeutic Against Smallpox	1,000	Cardin
RDDW	Arctic Regional Supercomputer	4,000	Stevens

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

[In thousands of dollars]

Account	Item name	Committee recommendation	Member
RDDW	Armed Forces Health and Food Supply Research	5,000	Roberts
RDDW	Augmented Reality to enhance Special Warfare Domain Awareness	2,000	Collins, Snowe
RDDW	Autonomous Rendezvous/Formation Flight	2,500	Reid
RDDW	Biodefense Vaccine Development and Engineering of Antiviral Peptides	2,000	Vitter
RDDW	Biofuels Program	2,000	Levin
RDDW	Biometric Signatures Research	2,000	McConnell
RDDW	BOPPER (Bioterrorism Operations Policy for Public Emergency Response)	1,500	Burr
RDDW	Camp Guernsey Joint Training and Experimentation Center	6,000	Barrasso
RDDW	Center for Advanced Emergency Response	4,400	Durbin
RDDW	Center for Autonomous Solar Power [CASP] large-area, flexible PV energy research	2,000	Schumer
RDDW	CEROS	10,000	Inouye
RDDW	Chemical/Biological Infrared Detection System	1,500	Collins
RDDW	Commercial Denied Area Radargrammetry Mapping	1,000	Allard, Salazar
RDDW	Commodity Management System Consolidation program	2,000	Byrd
RDDW	Communications-Capable Reconnaissance Imager	1,000	Leahy
RDDW	Comprehensive National Incident Management System	2,000	Warner, Webb
RDDW	Contaminated Human Remains Pouch	2,000	Brownback, Roberts
RDDW	Continuous Acquisition and Life-Cycle [CALS] and Integrated Data Environment and Defense Logistics Enterprise Services Program.	4,000	Byrd
RDDW	C-Scout Container Security System	3,000	Reid
RDDW	CV–22 Helmet Mounted Display	2,000	Bayh, Lugar
RDDW	Defense Fuelcell Locomotive	2,500	Brownback
RDDW	Defense Support to Large Scale Disaster Preparedness	1,000	Landrieu, Vitter
RDDW	Department of Defense Corrosion Program	12,000	Cochran, Wicker
RDDW	Disaster Response: Communications and Other Infrastructure Restoration	5,000	Crapo
RDDW	DNA Safeguard	1,500	Craig, Crapo
RDDW	Document Analysis and Exploitation	2,000	Casey, Specter
RDDW	Document and Media Search and Discovery [DMSD]	1,800	Cochran, Wicker
RDDW	Electronics and Materials for Flexible Sensors and Transponders [EMFST]	4,000	Conrad, Dorgan
RDDW	Emerging Critical Interconnection Tech	2,000	Bayh, Lugar
RDDW	Enhanced Simulation for IO Capabilities	6,400	Cochran, Wicker
RDDW	Ex-Rad Radiation Protection Program	5,000	Lautenberg, Menendez
RDDW	Extended-Lifetime Radioisotope Batteries	1,000	Burr
RDDW	Eye-Safe Long-Range Stand-off System for Detection of Chemical and Biological Weapons	1,500	Enzi

RDDW	Flashlight Soldier-to-Soldier Combat Identification System [FSCIS]	2,000	Cornyn
RDDW	Foliage Penetrating Reconnaissance and Surveillance System	4,000	Akaka
RDDW	Full Scale Impact and Blast Loading Laboratory Testing Program	2,000	Boxer
RDDW	High Assurance Cross Domain Solutions for High Performance Computing Center Net-Centric Operations.	2,500	Sununu
RDDW	High Performance Computational Design of Novel Materials	3,100	Cochran
RDDW	High Performance Tunable Materials	3,000	Conrad, Dorgan
RDDW	HyperAcute Vaccine Development	2,000	Grassley, Harkin
RDDW	Improved Chemical, Biological, and Radiological Filters	2,000	Warner, Webb
RDDW	Improved Commercial Integration [ICI]	1,000	Allard
RDDW	In Vitro Models for Biodefense Vaccines	1,000	Martinez, Nelson [FL]
RDDW	Indiana Complex Operations Partnership	2,500	Bayh, Lugar
RDDW	Institute for Information Security	2,500	Inhofe
RDDW	Institute of Advanced Flexible Manufacturing Systems	7,000	Byrd
RDDW	Integration of Force XXI Battle Command, Brigade & Below [FBCB2] with Tactical Handheld Digital Devices [THDD].	1,500	Shelby
RDDW	Intelligence Analyst Education and Training	3,900	Cochran, Wicker
RDDW	Intelligent Decision Exploration	4,000	Inouye
RDDW	Joint Services Aircrew Mask Don/Doff In-flight Upgrade	2,000	Biden, Carper
RDDW	Lithium Ion Battery Safety Detection and Control of Impending Catastrophic Failures	2,000	Bayh, Lugar
RDDW	Long-range Tagging and Locating System	1,000	Hutchison
RDDW	Managing and Extending DoD Asset Lifecycles	2,500	Akaka
RDDW	Maritime UAS Demonstration for the SOUTHCOM Region	3,000	Cochran
RDDW	MHPCC	5,000	Inouye
RDDW	MilTech Expansion Program	2,000	Baucus, Tester
RDDW	Missile Defense Integration and Operations Center [MDIOC] Modeling and Simulation	10,000	Allard, Salazar
RDDW	Mobile Sensor Enhancement to BMD Sensors Network	4,000	Kennedy, Vitter
RDDW	Multiple Target Tracking Optical Sensor Array Technology	5,000	Akaka
RDDW	Multi-Purpose Biodefense Immunoarray	1,000	Dodd, Mikulski
RDDW	Multi-Spectral Laboratory [UML] and Analytical Services Center [ASCENT] Program	2,000	Inhofe
RDDW	Multivalent Marburg, Ebola Filovirus Vaccine Program	3,500	Graham
RDDW	National Biometrics Security Project	4,000	Byrd
RDDW	National Consortium for MASINT Research	3,000	Bingaman, Cardin
RDDW	New Mexico State University Institute for Defense and Public Policy	10,000	Bingaman
RDDW	Next Generation Respiratory Protection	3,000	Johnson, Thune
RDDW	NIDS Improved Handheld Biological Agent Detector	2,000	Biden, Carper
RDDW	Novel System for Developing Therapeutics against Botulism	5,000	Hagel, Nelson [NE]
RDDW	Pacific Data Conversion and Technology Program	1,000	Akaka, Inouye
RDDW	Pacific Region Interoperability Test and Evaluation Capability	3,000	Inouye
RDDW	Pat Roberts Intel Scholars Program [PRISP]	2,000	Roberts

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

[In thousands of dollars]

Account	Item name	Committee recommendation	Member
RDDW	Picoceptor and Processor for Man-portable Threat Warning	3,500	Gregg
RDDW	Plant Vaccine Development	2,000	Biden, Carper
RDDW	Playas Training and Research Center Joint Training Experiment	6,000	Bingaman, Domenici
RDDW	Portable Rapid Bacterial Warfare Detection Unit	4,300	Grassley, Harkin
RDDW	Protection from Oxidative Stress	2,000	Harkin
RDDW	Random Obfuscating Compiler Anti-Tamper Software	2,000	Collins, Snowe
RDDW	Range Element-Network Enterprise Tech [RE–NET]	2,000	Chambliss, Isakson
RDDW	Rapid Response Database Systems Initiative	4,000	Lautenberg, Menendez
RDDW	Reactive Overlay and Removable CBRN Coatings	2,000	Murray
RDDW	Recombinant BChE Formulation Program	2,000	Cardin
RDDW	Remote Sensor Network Services Platform	2,500	Conrad, Dorgan
RDDW	Renewable Fuel Systems [RFS] for Defense Applications	1,000	Lautenberg, Menendez
RDDW	Research on a Molecular Approach to Hazardous Materials Decontamination	1,500	Craig, Crapo
RDDW	Robotic Mobility Platform System	1,500	Gregg
RDDW	Secure Media and ID Card Development	300	Reid
RDDW	Secure Miniaturized Free Space Optical Communications	2,000	Lautenberg, Menendez
RDDW	Security for Critical Communication Networks	3,000	Lautenberg, Menendez
RDDW	Signal Intelligence and Electronic Warfare Developments for Integration of SOF Systems	2,000	Graham
RDDW	Simultaneous Field Radiation Technology [SFRT]	2,300	Cochran, Wicker
RDDW	Small Assault Vehicle Expeditionary [SAVE]	1,000	Landrieu
RDDW	Smart Bomb Millimeter Wave Radar Guidance System	2,000	Cochran
RDDW	Space-Based Interceptor Study	5,000	Allard, Inhofe, Kyl, Sessions
RDDW	Spartan Advanced Composite Technology	2,000	Conrad, Dorgan
RDDW	Strategic Materials and Silicon Carbide Optics	5,500	Inouye
RDDW	Superlattice Nanotechnology	2,000	Burr, Dole
RDDW	Superstructural Particle Evaluation and Characterization with Targeted Reaction Analysis [SPECTRA].	1,500	Burr, Dole
RDDW	Synthetic Fuel Innovation	5,000	Byrd
RDDW	Tunable MicroRadio for Military Systems	6,000	Conrad, Dorgan
RDDW	UAV Systems and Operations Validation Program	5,000	Domenici
RDDW	UCLA High Speed, High Volume Laboratory Network for Infectious Diseases	4,000	Boxer, Domenici
RDDW	Ultra Low Power Electronics for Special Purpose Computers	2,000	Craig, Crapo
RDDW	Ultra-rapid Next Generation Pathogen Identification	2,000	Cochran
RDDW	University Strategic Partnership	3,000	Bingaman, Domenici

RDDW	Unmanned Aerial Vehicle Avionics Upgrade [UAVAU]	1,500	Specter
RDDW	Unmanned Aerial Vehicles	1,500	Stevens
RDDW	Vaccine Development Program	1,000	Lautenberg, Menendez
RDDW	Vacuum Sampling Pathogen Collection and Concentration	4,000	Craig, Crapo
RDDW	Vehicle Fuel Cell and Hydrogen Logistics Program	8,000	Levin
RDDW	ViriChip Rapid Virus Detection Systems	2,000	Harkin
RDDW	Weapons Shot Counter	1,400	McConnell
RDN	Accelerating Fuel Cells Manufacturability and its Application in the Armed Services	2,000	Schumer
RDN	ACINT [MASINT] Tape Digitization Program	2,000	Inhofe
RDN	Acoustic Research Detachment Test Support Platform Upgrade	1,500	Craig, Crapo
RDN	Adelos National Security Sensor System	2,000	Baucus, Tester
RDN	Advanced Airship Flying Laboratory, AAFL Phase 2	2,000	Smith, Wyden
RDN	Advanced Composite Maritime Manufacturing	2,000	Biden, Carper
RDN	Advanced Continuous Active Sonar for UUVs	2,500	Craig, Crapo
RDN	Advanced Fluid Controls for Shipboard Applications Phase III	2,500	Lautenberg, Menendez
RDN	Advanced High Energy Density Surveillance Power Module	3,000	Kohl
RDN	Advanced LINAC Facility	4,000	Bayh, Lugar
RDN	Advanced Naval Logistics	2,000	Casey, Specter
RDN	Advanced Ship Self Defense Technology Testing	4,000	Bennett, Hatch
RDN	Advanced Simulation Tools for Aircraft Structures Made of Composite Materials	1,500	Bond
RDN	Advanced Steam Turbine	2,000	Schumer
RDN	Advanced Tactical Control System	2,000	Kennedy, Kerry, Reed
RDN	Advanced Underwater Imaging	2,000	Martinez
RDN	Aging Evaluation of Advanced Materials for Military Aircraft	1,500	Brownback, Roberts
RDN	Air Sentinel	1,000	Inouye
RDN	Amelioration of Hearing Loss	1,000	Baucus, Tester
RDN	Anti-Sniper Infrared Targeting System	2,500	Bunning, McConnell
RDN	Arc Fault Circuit Breaker with Arc Location System	1,000	Bennett, Hatch
RDN	Assistive Technologies for Injured Servicemembers	2,000	Martinez
RDN	Automated Fiber Optic Manufacturing Initiative	2,500	Warner, Webb
RDN	Automated Readiness Measurement System	1,800	Warner, Webb
RDN	Autonomous Power Management for Distributed Operation	500	Conrad, Dorgan
RDN	Autonomous Unmanned Surface Vessel	1,500	Akaka
RDN	Base Level Inventory Tracking System Enhancements	3,500	Vitter
RDN	Bio/Nano-MEMS for Defense Applications	1,500	McConnell
RDN	Biosensors for Defense Applications	2,000	Landrieu
RDN	Boat Trap System for Port Security/Water Craft Interdiction	3,000	Leahy
RDN	Bow Lifting Body Ship Research	7,000	Inouye
RDN	Center for Quantum Studies	1,500	Warner, Webb
RDN	Chafing Protection System	1,500	Conrad, Dorgan

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

[In thousands of dollars]

Account	Item name	Committee recommendation	Member
RDN	Collective Aperture Multi-Band Sensor System	3,500	Gregg, Sununu
RDN	Combustion Light Gas Gun Projectile	5,000	Byrd
RDN	Common Expeditionary Force Protection System Architecture	2,500	Reed
RDN	Composite Materials Enhancements through Polymer Science Research and Development	2,800	Cochran
RDN	Composite Tissue Transplantation for Combat Wounded Repair	2,000	Chambliss
RDN	Condition-based Maintenance Enabling Technologies Program	3,000	Byrd
RDN	Countermine LIDAR UAV-based System	1,200	Cochran
RDN	DDG 51 Permanent Magnet Hybrid Electric Propulsion System	7,600	Dodd, Kennedy, Kohl, Lieberman
RDN	DDG–51 Hybrid Drive System	6,600	Cochran, Wicker
RDN	DEPUTEE—High Powered Microwave Non-Lethal Vehicle/Vessel Engine Disabling	2,000	Baucus, Bingaman
RDN	Detection, Tracking, and Identification for ISRTE of Mobile and Asymmetric Targets	2,000	Akaka
RDN	Digital Directed Manufacturing Project	1,700	McConnell
RDN	Digitization, Integration, and Analyst Access of Investigative Files, Naval Criminal Investigative Services.	2,000	Byrd
RDN	Directed Energy Initiative	2,200	Warner, Webb
RDN	Disposable Biocidal Medical Masks for NAMRU Evaluation	1,000	Leahy
RDN	Distributed Maritime Surveillance System	2,000	Hutchison
RDN	Durability, Energy Saving and Sustainability of Oceanic Vehicles and Support Infrastructure Through Use of Nanotech Lubricants.	1,000	Lincoln, Pryor
RDN	Electrochemical Field Deployable System for Water Generation	3,500	Ensign, Reid
RDN	Electromagnetic Signature Assessment System using Multiple Autonomous Underwater Vehicles	2,000	Craig, Crapo
RDN	Enhanced Special Weapons/Nuclear Weapons Security program	2,000	Smith, Wyden
RDN	Environmentally Sealed, Ruggedized Avionics Displays for Vertical Lift Systems	2,000	Burr
RDN	Evaluating ELF Signals in Maritime Environments	2,000	Craig, Crapo
RDN	Expeditionary Swimmer Defense System	3,000	Murray
RDN	Extensible Launching System	3,000	Cardin, Mikulski
RDN	Eye Safe Laser Warning Systems	2,000	Smith, Wyden
RDN	F/A–18 Avionics Ground Support System	3,000	Casey, Specter
RDN	Fiber Optic Conformal Acoustic Velocity Sensor	2,500	Bennett, Hatch
RDN	Formable Textile For Complex Shaped Aerospace Composites	2,000	Collins, Snowe
RDN	Friction Stir Welding	1,000	Bennett
RDN	Fusion, Exploitation, Algorithm, Targeting High-Altitude Reconnaissance [FEATHAR]	6,000	Bennett
RDN	Future Fuel Non-Tactical Vehicle Initiative	2,000	Levin, Schumer, Stabenow
RDN	Galfenol Energy Harvesting	2,000	Grassley, Harkin

RDN	Gallium Nitride RF Power Technology	1,500	Dole
RDN	Ground Warfare Acoustical Combat System of Netted Sensors	2,000	Inhofe
RDN	Guillotine	2,000	Warner, Webb
RDN	Harbor Shield—Homeland Defense Port Security Initiative	3,500	Reed, Voinovich, Whitehouse
RDN	HealtheForces	3,500	Byrd
RDN	High Energy Conventional Energetics	4,000	Bingaman, Cardin, Domenici, Mikulski
RDN	High Power Density Propulsion and Power for USSVs	2,000	Collins, Snowe
RDN	High Power Free Electron Laser Development for Naval Application	3,000	Warner, Webb
RDN	High Power Ultra-Lightweight Zinc-Air Battery	2,500	Dole, Leahy
RDN	High Speed ACRC & Composites Sea Lion Craft Development	2,000	Cochran, Wicker
RDN	High Speed Blood and Fluid Transfusion Equipment	3,100	Reid
RDN	Highly Integrated Optical Interconnect for Military Avionics	2,000	Levin, Stabenow
RDN	HTDV	10,000	Inouye
RDN	Human Neural Cell-Based Biosensor	1,000	Isakson
RDN	Hydrogen Fuel Cell Development	1,500	Dole
RDN	Hydrokinetic Power Generator	2,000	Levin, Stabenow
RDN	Immersive Naval Officer Training Systems	3,000	Reed, Whitehouse
RDN	Improved Stealth and Lower Cost Operations for Ships Using High Strength Flame Resistant LCP Reinforced Netting.	2,000	Murray
RDN	Infrared Materials Laboratories	2,500	Inhofe
RDN	Integrated Manufacturing Enterprise	3,000	Landrieu, Vitter
RDN	Integrated Warfighter Biodefense Program	3,000	Biden, Carper
RDN	Integration of Electro-Kinetic Weapons into Next Generation Navy Ships	4,500	Martinez, Nelson [FL]
RDN	Integration of Logistics Information for Knowledge Projection and Readiness Assessment	2,000	Byrd
RDN	Large Scale Demonstration Item for VA-Class Bow Dome	1,800	Cochran
RDN	Laser Perimeter Awareness System	1,500	Coleman
RDN	Lithium-Ion Cell Development with Electro Nano Materials	5,000	Bond
RDN	Lithium-Sulfur Chemistry Validation	2,000	Brownback, Roberts
RDN	Littoral Battlespace Sensing-Autonomous UUV	1,000	Landrieu
RDN	Long Wavelength Array	3,500	Bingaman, Domenici
RDN	Low Acoustic and Thermal Signature Battlefield Power Source	2,000	Baucus, Tester
RDN	Low Cost Laser Module Assembly for Acoustic Sensors	2,000	Specter
RDN	Low Signature Modular Weapon Platform	4,000	Murray, Smith, Wyden
RDN	M2C2	4,500	Inouye
RDN	M65 Bismaleimide Carbon Fiber Prepreg	2,000	Bennett, Dodd, Hatch
RDN	Magnetic Refrigeration Technology	3,000	Kohl
RDN	Manufacturing & Repair Cell/Engineering Educational Outreach Program	2,000	Levin
RDN	Marine Air-Ground Task Force Situational Awareness	1,000	Inouye
RDN	Millimeter Wave Imaging	2,000	Biden, Carper

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

[In thousands of dollars]

Account	Item name	Committee recommendation	Member
RDN	Mk V.1 "MAKO" for Improved Signature and Weight Performance	2,000	Collins, Snowe
RDN	Mobile Acoustic Decoys for Surface Ship Defense	1,200	Dole
RDN	Mobile Valve and Flex Hose Maintenance	1,000	Collins, Snowe
RDN	Mobile, Oxygen, Ventilation, and External Suction [MOVES] System	1,500	Cornyn
RDN	Modular Advanced Vision System	2,000	Casey, Specter
RDN	Molten Carbonate Fuel Cell Demonstrator	3,500	Dodd, Lieberman
RDN	National Initiatives for Applications of Multifunctional Materials	2,000	Hutchison
RDN	Naval Ship Hydrodynamic Test Facilities	5,000	Cardin, Mikulski
RDN	Navy Science and Technology Outreach [N–STAR]—Maryland	1,000	Cardin
RDN	Network Expansion & Integration of Navy/NASA RDT&E Ranges & Facilities	6,000	Cardin, Mikulski
RDN	Next Generation Automated Technology for Landmine Detection	2,000	Hagel, Nelson [NE]
RDN	Next Generation Phalanx Including Laser Demo	10,700	Bunning, Hatch, Kohl, McConnell, Schumer
RDN	Novel Coating Technologies for Military Equipment	6,000	Hagel, Nelson [NE]
RDN	NULKA Decoy and Mk 53 Decoy Launch System	2,000	Kennedy
RDN	ONAMI Nanoelectronics and Nanometrology Initiative	1,000	Smith, Wyden
RDN	On-Board Vehicle Power Systems Development	3,000	Shelby
RDN	Optimization of New Marine Coatings	2,000	Conrad, Dorgan
RDN	Pacific Airborne Surveillance and Testing	15,000	Inouye
RDN	Permanent Magnet Linear Generator Power Buoy System	2,000	Smith, Wyden
RDN	Persistent Surveillance Wave PowerBuoy System	3,000	Lautenberg, Menendez
RDN	PMRF Force Protection Lab	2,500	Inouye
RDN	Portable Launch and Recovery System For Unmanned Aerial Vehicle Operation From Small Vessels.	4,000	Cantwell, Murray, Smith, Wyden
RDN	Power Dense Integrated Power System for CG(X)	3,000	Mikulski
RDN	Predicting Bio-Agent Threat Profiles Using Automated Behavior Analysis	2,000	Johnson
RDN	Quiet Drive Advanced Rotary Actuator	2,000	Schumer, Warner, Webb
RDN	Radiation Hardness and Survivability of Electronic Systems	1,000	Bayh, Lugar
RDN	Rapid Repair Structural Adhesives	1,000	Reed, Whitehouse
RDN	Realtime Hyperspectral Targeting Sensor	3,000	Gregg, Sununu
RDN	Repair of Massive Tissue Loss and Amputation in Military and Civilian Casualties through Composite Tissue Allotransplantation..	4,000	Cardin
RDN	RFID TECH Program	1,000	McConnell
RDN	Scalable Open Architecture Upgradeable Reliable Computing Environment	3,000	Murray

RDN	Sea Base Mobility and Interfaces	5,000	Stevens
RDN	Sealed, Ruggedized Flat Panel Avionics Displays	2,000	Dole
RDN	Semi-Submersible UUV	2,000	Vitter
RDN	Sensorless Control of Linear Motors in EMALS	2,800	Reed
RDN	Ship Affordability Through Advanced Aluminum Structures	2,000	Grassley, Harkin
RDN	Shipboard Production of Synthetic Aviation Fuel	1,000	Bennett, Hatch
RDN	Single Generator Operations Lithium Ion Battery	5,000	Lugar, Reid
RDN	SKYBUS 80K and 130K LTA–UAS Multirole Technologies	2,000	Collins
RDN	Smart Instrument Development for Magdalena Ridge Observatory	7,000	Bingaman, Domenici
RDN	Smart Valve	1,000	Collins, Snowe
RDN	Solid Oxide Fuel Cell	1,000	Corker
RDN	Sonobouy Wave-Energy Module	3,000	Landrieu, Vitter
RDN	Strategic/Tactical Resource Interoperability Kinetic Environment Program	1,400	Cochran
RDN	Submarine Environment for Evaluation and Development	3,000	Reed
RDN	Submarine Panoramic Awareness System Program	2,000	Durbin
RDN	Supply Chain Logistics Capability at the ABL Naval Industrial Reserve Ordnance	10,000	Byrd
RDN	Texas Microfactory	3,000	Hutchison
RDN	Theater Undersea Warfare Initiative	3,000	Inouye
RDN	Thin Film Materials for Advanced Applications, Advanced IED and Anti-Personnel Sensors	3,000	Leahy
RDN	Tomahawk Cost Reduction Initiatives	2,000	Bennett, Hatch
RDN	Topical Hemostat Effectiveness Study	1,000	Coleman, Klobuchar
RDN	TSG Technology Accreditation	3,000	Bond
RDN	Undersea Launched Missile Study	4,000	Dodd, Lieberman, Reed
RDN	Unique Identification of Tangible Items	3,000	Wicker
RDN	Universal Description, Discovery and Integration	4,300	Conrad, Dorgan
RDN	Unmanned Aerial Vehicle Fuel Cell Power Source	2,000	Schumer
RDN	Unmanned Aircraft Systems Optimization Technologies	2,500	Byrd
RDN	Urban Operations Laboratory	2,000	Brownback, Roberts
RDN	Virtual Onboard Analyst (VIRONA) for Multi-Sensor Mine Detection	1,000	Inouye
RDN	Warfighter Rapid Awareness Processing Technology	4,000	Akaka
RDN	Water Security Program (Inland Water Quality and Desalination)	3,000	Bingaman, Domenici
RDN	Wireless Sensors for Navy Aircraft	3,000	Leahy
RDN	Zero-Standoff HERO-compliant RFID Systems	2,000	Conrad, Dorgan
SCN	DDG–1000 AGS Pallets	6,000	McConnell
SCN	Navy Region Northwest Large Harbor Tugs (Service Craft)	11,800	Murray
WPN	ABL Restoration Plan	38,000	Byrd
WTCV	AB–FIST Gunnery Trainer Upgrades for TN ARNG	4,000	Corker
WTCV	AB–FIST Gunnery Trainers for TN ARNG	2,400	Alexander, Corker
WTCV	Arsenal Support Program Initiative—Rock Island	8,500	Durbin, Grassley, Harkin
WTCV	Arsenal Support Program Initiative—Watervliet	5,000	Schumer

CONGRESSIONALLY DIRECTED SPENDING ITEMS—Continued

[In thousands of dollars]

Account	Item name	Committee recommendation	Member
WTCV	Joint Manufacturing and Technology Center Equipment, Rock Island Arsenal	4,200	Durbin, Grassley, Harkin
WTCV	M1 Abrams Mobile Conduct of Fire Trainers Upgrades, TN ARNG	3,000	Alexander

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