

JOINT EXPLANATORY STATEMENT OF THE COMMITTEE OF CONFERENCE

The managers on the part of the House and the Senate at the conference on the disagreeing votes of the two Houses on the amendment of the Senate to the bill (H.R. 4200), to authorize appropriations for fiscal year 2005 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe personnel strengths for such fiscal year for the Armed Forces, and for other purposes, submit the following joint statement to the House and the Senate in explanation of the effect of the action agreed upon by the managers and recommended in the accompanying conference report:

The Senate amendment struck all of the House bill after the enacting clause and inserted a substitute text.

The House recedes from its disagreement to the amendment of the Senate with an amendment that is a substitute for the House bill and the Senate amendment. The differences between the House bill, the Senate amendment, and the substitute agreed to in conference are noted below, except for clerical corrections, conforming changes made necessary by agreements reached by the conferees, and minor drafting and clarifying changes.

SUMMARY STATEMENT OF CONFERENCE ACTIONS

The Conferees recommend authorization of appropriations for fiscal year 2005 for the Department of Defense for procurement; research and development; test and evaluation; operation and maintenance; working capital funds; military construction and family housing; and for weapons and environmental restoration programs of the Department of Energy; that have a budget authority implication of \$445.6 billion for the national defense function.

DIVISION A-DEPARTMENT OF DEFENSE AUTHORIZATIONS

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Summary table of authorizations

The defense authorization act provides authorizations for appropriations but does not generally provide budget authority. Budget authority is provided in the appropriations act.

In order to relate the conference recommendations to the budget resolution, matters in addition to the dollar authorizations contained in this bill must be taken into account. A number of programs in the national defense function are authorized in other legislation.

The following table summarizes authorizations included in the bill for fiscal year 2005 and, in addition, summarizes the implications of the conference action for the budget authority totals for national defense (budget function 050).

SUMMARY OF NATIONAL DEFENSE AUTHORIZATION FOR FY 2005

(Dollars in Thousands)

		Authorization Request	House Authorized	Senate Authorized	Senate Change	Conference Agreement	Conference Change	Request	Budget Authority House	Budget Authority Implication Senate	Senate Conference
		DIVISION A									
Title I -- PROCUREMENT											
Aircraft Procurement, Army	2,658,240	2,809,940	2,702,640	-46,700	2,611,540	2,658,240	2,809,940	2,702,640	2,611,540		
Missile Procurement, Army	1,398,321	1,504,321	1,488,321	-91,321	1,307,000	1,398,321	1,504,321	1,488,321	1,307,000		
Procurement of Weapons and Tracked Combat Vehicles, Army	1,639,695	1,739,695	1,698,395	-63,000	1,702,695	1,639,695	1,739,695	1,698,395	1,702,695		
Procurement of Ammunition, Army	1,556,902	1,729,402	1,598,302	-11,200	1,545,702	1,556,902	1,729,402	1,598,302	1,545,702		
Other Procurement, Army	4,240,896	4,309,640	5,383,296	104,350	4,345,246	4,240,896	4,309,640	5,383,296	4,345,246		
Aircraft Procurement, Navy	8,767,867	8,912,667	8,870,832	-46,575	8,814,442	8,767,867	8,912,667	8,870,832	8,814,442		
Weapons Procurement, Navy	2,101,529	2,253,454	2,183,829	-34,009	2,067,520	2,101,529	2,253,454	2,183,829	2,067,520		
Procurement of Ammunition, Navy and Marine Corps	856,640	870,840	873,140	-19,500	858,640	878,140	858,640	878,140	878,140		
Shipbuilding and Conversion, Navy	9,962,027	10,120,027	10,127,927	154,800	10,116,827	9,962,027	10,120,027	10,127,927	10,116,827		
Other Procurement, Navy	4,834,278	4,876,725	4,904,978	-200,392	4,633,866	4,834,278	4,876,725	4,904,978	4,633,866		
Procurement, Marine Corps	1,190,103	1,315,103	1,302,703	-78,350	1,268,453	1,190,103	1,315,103	1,302,703	1,268,453		
Aircraft Procurement, Air Force	13,163,174	13,649,174	13,035,674	64,920	13,228,124	13,163,174	13,649,174	13,035,674	13,228,124		
Procurement of Ammunition, Air Force	1,396,457	1,396,457	77,498	1,318,959	1,396,457	1,318,959	1,396,457	1,318,959	1,396,457		
Missile Procurement, Air Force	4,718,513	4,611,315	4,635,613	-169,800	4,548,513	4,718,313	4,611,313	4,635,613	4,548,513		
Other Procurement, Air Force	13,283,557	13,229,257	13,298,257	-334,230	12,949,327	13,283,557	13,229,257	13,298,257	12,949,327		
Procurement, Defense-wide	2,883,302	2,950,702	2,967,402	-36,719	2,846,583	2,883,302	2,950,702	2,967,402	2,846,583		
National Guard and Reserve Equipment											
Defense Production Act Purchases											
Total Procurement	74,653,301	76,278,717	76,467,066	-470,344	74,182,957	74,662,316	76,287,732	76,476,081	74,191,972	9,015	9,015
Title II -- RESEARCH, DEVELOPMENT, TEST & EVALUATION											
Research, Development, Test & Evaluation, Army	9,266,258	9,478,164	9,690,458	40,990	9,307,248	9,266,258	9,495,164	9,707,458	9,324,248		
Research, Development, Test & Evaluation, Navy	16,346,391	16,052,841	16,690,391	-145,800	16,200,591	16,346,391	16,052,841	16,690,391	16,200,591		
Research, Development, Test & Evaluation, Air Force	21,114,667	21,532,967	21,264,267	-681,734	21,114,667	21,532,967	21,264,267	21,114,667	21,264,267		
Research, Development, Test & Evaluation, Defense-wide	20,739,837	20,721,254	20,654,437	-486,986	20,739,837	20,739,837	20,721,254	20,654,437	20,739,837		
Operational Test & Evaluation, Defense	305,135	305,135	309,135	-1,000	304,135	305,135	305,135	304,135	305,135		
Total Research, Development, Test & Evaluation	67,772,288	68,090,361	68,608,688	-1,274,530	66,497,758	67,772,288	68,107,361	68,625,688	66,514,758	66,514,758	66,514,758

SUMMARY OF NATIONAL DEFENSE AUTHORIZATION FOR FY 2005

(Dollars in Thousands)

	<u>Authorization Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Senate Change</u>	<u>Conference Agreement</u>	<u>Budget Request House</u>	<u>Budget Authority Implication House</u>	<u>Senate Conference</u>
Title III -- OPERATION AND MAINTENANCE, & OTHER PROGRAMS								
Operation and Maintenance, Army	26,133,411	25,838,611	26,313,611	-35,000	26,098,411	26,133,411	25,838,611	26,313,611
Operation and Maintenance, Army	29,789,190	29,523,490	29,702,790	-106,600	29,682,590	29,789,190	29,523,490	29,702,790
Operation and Maintenance, Navy	3,632,115	3,637,615	3,682,727	16,000	3,648,115	3,632,115	3,637,615	3,682,727
Operation and Maintenance, Marine Corps	28,471,260	27,068,566	27,423,560	-172,600	28,298,660	28,471,260	27,068,566	27,423,560
Operation and Maintenance, Air Force	17,494,076	17,317,406	17,458,576	-168,800	17,325,276	17,494,076	17,317,406	17,458,576
Operation and Maintenance, Defense-wide	2,008,128	2,003,778	1,925,728	2,008,128	2,008,128	2,008,128	2,008,128	2,008,128
Operation and Maintenance, Army Reserve	1,240,038	1,240,038	1,240,038	1,240,038	1,240,038	1,240,038	1,240,038	1,240,038
Operation and Maintenance, Navy Reserve	188,696	188,696	197,496	188,696	188,696	188,696	188,696	197,496
Operation and Maintenance, Marine Corps Reserve	2,239,790	2,226,790	2,154,790	2,239,790	2,239,790	2,226,790	2,154,790	2,239,790
Operation and Maintenance, Air Force Reserve	4,440,686	4,425,686	4,227,236	12,100	4,452,786	4,440,686	4,425,686	4,227,236
Operation and Maintenance, Army National Guard	4,422,838	4,448,938	4,366,738	80,500	4,503,338	4,422,838	4,448,938	4,366,738
Operation and Maintenance, Air National Guard Transfer Accounts	1,305,336	1,305,336	1,349,986	40,000	1,345,336	1,305,336	1,349,986	1,345,336
Miscellaneous Appropriations	509,025	534,025	479,025	-20,000	489,025	509,025	534,025	489,025
Subtotal Operation and Maintenance	121,874,589	119,758,925	120,522,301	-354,400	121,520,189	121,874,589	119,758,925	120,522,301
Other Programs								
Drug Interdiction and Counter-Drug Activities, Defense	832,697	852,697	852,697	250	852,947	852,697	852,697	852,947
Defense Health Program	17,640,411	17,811,586	17,992,711	16,975	17,657,386	17,640,411	17,811,586	17,992,711
Office of the Inspector General	244,562	193,562	164,562	-40,000	204,562	244,562	193,562	164,562
Chemical Agents and Munitions Destruction, Army	1,371,990	1,371,990	1,518,990	1,371,990	1,371,990	1,371,990	1,371,990	1,371,990
Subtotal Other Programs	20,109,660	20,229,835	20,528,960	-22,775	20,086,885	20,109,660	20,229,835	20,528,960
Revolving and Management Funds								
Defense Working Capital Funds (Army, Navy, Air Force, and Def	510,886	372,886	450,686	-59,000	451,886	510,886	372,886	450,686
Defense Working Capital Funds - DeCA	1,175,000	1,175,000	1,175,000	1,175,000	1,175,000	1,175,000	1,175,000	1,175,000
National Defense Sealift Fund	1,269,252	1,219,252	1,269,252	1,269,252	1,269,252	1,269,252	1,269,252	1,269,252
Subtotal Revolving and Management Funds	2,955,138	2,767,138	2,894,938	-59,000	2,896,138	2,955,138	2,767,138	2,894,938
Total Operation and Maintenance & Other Programs	144,939,387	142,755,898	143,946,199	-436,175	144,503,212	144,939,387	142,755,898	143,946,199
MILITARY PERSONNEL	104,811,558	104,647,558	104,477,558	1,731,424	106,542,982	104,811,558	104,477,558	106,542,982

SUMMARY OF NATIONAL DEFENSE AUTHORIZATION FOR FY 2005

(Dollars in Thousands)

	Authorizer Request	House Authorized	Senate Authorized	Conference Change	Conference Agreement	Budget Authority Request	House	Budget Authority Implication Senate	Conference
Title X -- GENERAL PROVISIONS									
General Transfer Authority (non-additive)									
Inflation Savings	[4,000,000]	[3,000,000]	[3,000,000]	[3,000,000]	[3,000,000]	[3,000,000]			
Subtotal General Provisions								-1,670,000	-1,670,000
DIVISION B									
MILITARY CONSTRUCTION									
Military Construction, Army	1,771,285	1,866,209	1,942,885	197,700	1,968,985	1,771,285	1,866,209	1,942,885	1,968,985
Military Construction, Navy	1,160,455	1,077,362	1,000,105	-4,170	1,056,285	1,060,455	1,077,362	1,000,105	1,056,285
Military Construction, Air Force	663,964	792,054	782,469	189,911	853,875	663,964	792,054	782,469	853,875
Military Construction, Defense-wide	699,437	708,937	682,337	-23,900	675,537	709,337	718,837	692,237	685,437
Military Construction, Army National Guard	295,657	393,225	361,072	138,706	434,363	295,657	393,225	361,072	434,363
Military Construction, Air National Guard	127,368	184,620	214,418	106,150	233,518	127,368	184,620	214,418	233,518
Military Construction, Army Reserve	87,070	116,955	63,047	3,240	90,310	87,070	116,955	63,047	90,310
Military Construction, Naval and Marine Corps Reserve	25,285	30,955	25,285	22,900	48,185	25,285	30,955	25,285	48,185
Military Construction, Air Force Reserve	84,556	114,090	99,206	38,200	122,756	84,556	114,090	99,206	122,756
Military Construction, Foreign Currency Fluctuations									
Base Realignment and Closure IV	246,116	246,116	246,116		246,116	246,116	246,116	246,116	246,116
NATO Security Investment Program	165,800	165,800	165,800	-5,000	160,800	165,800	165,800	160,800	160,800
Chem Agents and Munitions Destruction	81,886	81,886	81,886		81,886	81,886	81,886	81,886	81,886
Subtotal Military Construction	5,308,879	5,778,709	5,664,626	600,737	5,909,616	5,318,779	5,851,609	5,737,526	5,982,516

SUMMARY OF NATIONAL DEFENSE AUTHORIZATION FOR FY 2005

(Dollars in Thousands)

	Authorization Request	House Authorized	Senate Authorized	Conference Change	Conference Agreement	Request	House	Budget Authority Implication	Senate	Conference
FAMILY HOUSING										
Family Housing Construction, Army	636,099	636,099	636,099	-2,400	636,099	636,099	636,099	636,099	636,099	636,099
Family Housing Support, Army	928,907	926,507	928,907	139,107	926,507	928,907	926,507	928,907	926,507	926,507
Family Housing Construction, Navy and Marine Corps	139,107	139,107	139,107	139,107	139,107	139,107	139,107	139,107	139,107	139,107
Family Housing Support, Navy and Marine Corps	704,504	696,304	704,504	-8,200	696,304	704,504	696,304	704,504	696,304	696,304
Family Housing Construction, Air Force	846,959	846,959	846,959	846,959	846,959	846,959	846,959	846,959	846,959	846,959
Family Housing Support, Air Force	863,896	854,666	856,114	-10,512	853,384	863,896	854,666	856,114	853,384	
Family Housing Construction, Defense-wide	49	49	49	49	49	49	49	49	49	49
Family Housing Support, Defense-wide	49,575	49,575	49,575	49,575	49,575	49,575	49,575	49,575	49,575	49,575
DoD Family Housing Improvement Fund	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Subtotal Family Housing	4,171,596	4,151,766	4,163,814	-21,112	4,150,484	4,171,596	4,151,766	4,163,814	4,150,484	
Prior Year Recissions				-130,000	-130,000					-130,000
Total Military Construction and Family Housing	9,480,475	9,350,475	9,328,440	449,625	9,290,100	9,490,375	10,003,375	9,901,340	10,003,000	
OTHER DoD MILITARY (Discretionary)										
Receipts from Travel and Purchase Card Refunds										
Armed Forces Retirement Home Fund	61,195	61,195	61,195		61,195		44,000	44,000	44,000	44,000
National Security Educational Trust Fund										
Disposal of DoD Real Property										
Lease of DoD Real Property										
Overseas Facility Investment Recovery										
National Science Center, Army										
Total Other DoD Military Discretionary	61,195	61,195	61,195	61,195	61,195	5	40,075	5	5	5
Subfunction (051) Department of Defense Discretionary	401,718,204	401,764,204	401,719,546				401,879,999	401,835,341	401,833,999	

SUMMARY OF NATIONAL DEFENSE AUTHORIZATION FOR FY 2005

(Dollars in Thousands)

	Authorizer Request	House Authorized	Senate Authorized	Conference Change	Conference Agreement	Request	House	Budget Authority Implication Senate	Conference
OTHER DoD MILITARY (Mandatory)									
Concurrent Receipt Accrual Payments to the Military Retirement Fund	1,534,200	1,534,200	1,534,200	-1,386,000	-1,386,000	1,534,200	1,534,200	1,374,200	1,374,200
Offsetting Receipts and Other Revolving, Trust, and Other DoD Mandatory National Defense Stockpile Transaction Fund, Public Enterprise Fund	-1,386,000	-1,386,000	-1,386,000	273,000	273,000	-1,386,000	-1,386,000	-1,238,000	-1,238,000
Sale of Certain Materials in the National Defense Stockpile Transfers	273,000	273,000	273,000	273,000	273,000	883,010	762,010	762,010	762,010
Quantity Restrictions on Ferro Manganese Alloy Sales									
H. Sec. 503 - Increase in Retirement Age Limit for Military Officers	-115,000	-130,000	-130,000	-8,000	-8,000	-115,000	-115,000	-80,000	-80,000
H. Sec. 504 - Flexibility for Voluntary Retirement for Military Officers	250	250	250	250	250	250	250	-8,000	-8,000
H. Sec. 512 - Mandatory Retention of Active Duty to Qualify for Retired Pay	500	500	500	500	500	500	500	500	500
H. Sec. 555 - Disabilities Sustained During Accession Training	33	33	33	33	33	33	33	-1,000	-1,000
H. Sec. 642 - Survivor Benefits Plan	-1,000	-1,000	-1,000	-1,000	-1,000	-1,000	-1,000	100	100
H. Sec. 1004 - Microclaim Waiver Authority	100	100	100	100	100	100	100	1,286,000	1,286,000
H. Sec. 2806 - Modification of the Military Housing Privatization Initiative									
H. Sec. 2834 - Modification of Land Exchange, Ft Lewis, Wa								3,000	3,000
S. Sec. 641 - Disability Retirement and Survivor Annuities for Reservists								2,000	2,000
S. Sec. 643 - Modification of Phase-In for Concurrent Receipt								176,000	176,000
S. Sec. 644 - Survivor Benefit Plan								-3,000	-3,000
S. Sec. 655 - Relief from Farm Loan Obligations for Reservists								2,000	2,000
S. Sec. 871 - KC-767 Tanker Acquisition								-3,619,000	-3,619,000
S. Sec. 1072 - Reimbursement for Soldier Protective Equipment								16,000	16,000
S. Sec. 1091 - Energy Savings Performance Contracts								272,000	272,000
Enhanced Reserve Education Benefit								92,000	92,000
Total Other DoD Military Mandatory	306,200	283,333	283,200			306,200	916,210	695,343	695,210
Subfunction (051) Department of Defense Mandatory	306,200	283,333	283,200			306,200	916,210	698,343	-2,474,790
SUBFUNCTION (051) TOTAL DEPARTMENT OF DOD	402,024,404	402,047,537	402,002,746			402,024,404	402,632,209	402,578,342	399,360,551
									400,758,709

SUMMARY OF NATIONAL DEFENSE AUTHORIZATION FOR FY 2005

(Dollars in Thousands)

DIVISION C		Authorization Request	House Authorized	Senate Authorized	Conference Change	Conference Agreement	Budget Request	House	Budget Authority	Implication	Senate	Conference
ATOMIC ENERGY DEFENSE ACTIVITIES (053)												
Weapons Activities	6,568,453	6,577,953	6,674,898	23,600	6,592,053	6,568,453	6,577,953	6,674,898	6,592,053			
Defense Nuclear Nonproliferation	1,348,647	1,338,147	1,348,647		1,348,647	1,348,647	1,348,647	1,338,147	1,348,647	1,348,647		
Naval Reactors	797,900	797,900	797,900		797,900	797,900	797,900	797,900	797,900	797,900		
Office of the Administrator	333,700	333,700	343,700	10,000	343,700	333,700	333,700	343,700	343,700	343,700		
Subtotal National Nuclear Security Administration	9,048,700	9,047,700	9,165,145	33,600	9,082,300	9,048,700	9,047,700	9,165,145	9,082,300			
Defense Site Acceleration Completion	5,970,837	5,926,837	5,971,932		5,970,837	5,970,837	5,970,837	5,926,837	5,971,932	5,970,837		
Defense Environmental Services	982,470	986,470	982,470	4,000	986,470	982,470	982,470	982,470	982,470	986,470		
Other Defense Activities	663,636	657,636	568,096	-27,600	636,036	663,636	657,636	568,096	636,036	636,036		
Defense Nuclear Waste Disposal	131,000	131,000	108,000	-11,000	120,000	131,000	131,000	108,000	120,000	120,000		
Subtotal Environmental & Other Defense Activities	7,747,943	7,701,943	7,630,498	-34,600	7,713,343	7,747,943	7,701,943	7,630,498	7,713,343	7,713,343		
Subtotal Department of Energy	16,796,643	16,749,643	16,795,643	-1,000	16,795,643	16,796,643	16,749,643	16,795,643	16,795,643	16,795,643		
OTHER ATOMIC ENERGY DEFENSE ACTIVITIES (Discretionary)												
Defense Nuclear Facilities Safety Board	20,268	21,268	21,268	1,000	21,268	20,268	21,268	21,268	21,268	21,268		
Corps of Engineers - Civil Works												
Total Other Atomic Energy Defense Activities Discretion:	20,268	21,268	21,268	1,000	21,268	160,268	160,268	161,268	161,268	161,268		
Subfunction (053) Atomic Energy Defense Activities Discretion	16,816,911	16,770,911	16,816,911		16,816,911	16,956,911	16,910,911	16,956,911	16,956,911	16,956,911		
OTHER ATOMIC ENERGY DEFENSE ACTIVITIES (Mandatory)												
Energy Employees Occupational Illness Compensation Program (EOICPA)												
S. Secs. 3151-3157 - EOICPA												
Subfunction (053) Other Atomic Energy Defense Activities												
Subfunction (053) TOTAL ATOMIC ENERGY D	16,816,911	16,770,911	16,816,911		16,816,911	17,218,911	17,251,911	17,297,911	17,546,911	17,546,911		

SUMMARY OF NATIONAL DEFENSE AUTHORIZATION FOR FY 2005

(Dollars in Thousands)

	Authorization Request	House Authorized	Senate Authorized	Conference Change	Conference Agreement	Budget Authority Request	House	Senate	Budget Authority Implication	Senate	Conference
DEFENSE RELATED ACTIVITIES (054)											
Department of Homeland Security						937,000	937,000	937,000	937,000	937,000	937,000
Department of Justice						530,000	530,000	530,000	530,000	530,000	530,000
Department of Transportation - MARAD Maritime Security Program						99,000	99,000	99,000	99,000	99,000	99,000
Intelligence Community Management Account						269,000	269,000	269,000	269,000	269,000	269,000
National Science Foundation - Antarctic Research Activities						68,000	68,000	68,000	68,000	68,000	68,000
Radiation Exposure Compensation Trust Fund Transferred to Mandatory						72,000	72,000	72,000	72,000	72,000	72,000
Selective Service System - Salaries and Expenses						26,000	26,000	26,000	26,000	26,000	26,000
Subfunction (054) Defense Related Activities Discretionary						2,001,000	2,001,000	2,001,000	2,001,000	2,001,000	2,001,000
OTHER DEFENSE RELATED ACTIVITIES (Mandatory)											
CIA Retirement & Disability						239,000	239,000	239,000	239,000	239,000	239,000
Radiation Exposure Compensation Trust Fund						65,000	65,000	65,000	65,000	65,000	65,000
Proposed Legislation (outside DoD's Jurisdiction)						940,000	1,244,000	304,000	304,000	304,000	304,000
Subfunction (054) Defense Related Activities Mandatory						3,245,000	2,305,000	2,305,000	2,305,000	2,305,000	2,305,000
SUBFUNCTION (054) TOTAL DEFENSE-RELATED											
Total National Defense Function (050) Discretionary	418,535,115	418,535,115	418,536,457			418,535,115	420,673,910	420,791,910	420,793,252	420,791,910	
Total National Defense Function (050) Mandatory	306,200	283,333	283,200			306,200	2,422,210	1,343,343	-1,829,790	-181,290	
TOTAL NATIONAL DEFENSE FUNCTION (050)	418,841,315	418,818,448	418,819,657			418,841,315	423,096,120	422,135,253	418,963,462	420,610,620	

TITLE I-PROCUREMENT

Procurement Overview

The budget request for fiscal year 2005 included an authorization of \$74,653.3 million in Procurement for the Department of Defense.

The House bill would authorize \$76,278.7 million.

The Senate amendment would authorize \$76,467.1 million.

The conferees recommend an authorization of \$74,183.0 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

NATIONAL DEFENSE AUTHORIZATION FOR FISCAL YEAR 2005
(Dollars in Thousands)

<u>Title I - PROCUREMENT</u>	Authorization Request	House Authorization	Senate Authorization	Conference Change	Conference Authorization
Aircraft Procurement, Army	2,658,240	2,809,940	2,702,640	-46,700	2,611,540
Missile Procurement, Army	1,398,321	1,504,321	1,488,321	-91,321	1,307,000
Procurement of W&TCV, Army	1,639,695	1,739,695	1,698,595	63,000	1,702,695
Procurement of Ammunition, Army	1,556,902	1,729,402	1,598,302	-11,200	1,545,702
Other Procurement, Army	4,240,896	4,309,640	5,383,296	104,350	4,345,246
Aircraft Procurement, Navy	8,767,867	8,912,667	8,870,832	46,575	8,814,442
Weapons Procurement, Navy	2,101,529	2,253,454	2,183,829	-34,009	2,067,520
Procurement of Ammunition, Navy & Marine Corps	858,640	870,840	873,140	19,500	878,140
Shipbuilding and Conversion, Navy	9,962,027	10,120,027	10,127,027	154,800	10,116,827
Other Procurement, Navy	4,834,278	4,876,725	4,904,978	-200,392	4,633,886
Procurement, Marine Corps	1,190,103	1,315,103	1,302,703	78,350	1,228,453
Aircraft Procurement, Air Force	13,163,174	13,649,174	13,035,674	64,950	13,228,124
Procurement of Ammunition, Air Force	1,396,457	1,396,457	1,396,457	-77,498	1,318,959
Missile Procurement, Air Force	4,718,313	4,611,313	4,635,613	-169,800	4,548,513
Other Procurement, Air Force	13,283,557	13,229,257	13,298,257	-334,230	12,949,327
Procurement, Defense-Wide	2,883,302	2,950,702	2,967,402	-36,719	2,846,583
National Guard and Reserve Equipment					
Defense Production Act Purchases					
TOTAL PROCUREMENT	74,653,301	76,278,717	76,467,066	-470,344	74,182,957

Aircraft Procurement, Army Overview

The budget request for fiscal year 2005 included an authorization of \$2,658.2 million in Aircraft Procurement, Army for the Department of Defense.

The House bill would authorize \$2,809.9 million.

The Senate amendment would authorize \$2,702.6 million.

The conferees recommend an authorization of \$2,611.5 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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Title I - Procurement

(Dollars in Thousands)

Line	Program Title		FY 2005				House				Senate				Conference Agreement			
			Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Change	Cost	Qty	Authorized
Aircraft																		
	Aircraft Procurement, Army																	
	Aircraft																	
	Fixed Wing																	
1	UTILITY F/W AIRCRAFT		1	11,967	1	11,967		1	11,967		1	11,967		1	11,967		1	11,967
	Rotary Wing																	
2	HELICOPTER, OBSERVATION, KW RPLCMNT			24,000			24,000			24,000			-12,000				12,000	
	Funding ahead of need												[+12,000]					
3	HELICOPTER, LIGHT UTILITY			45,000			45,000			45,000			-22,000				23,000	
	Funding ahead of need												[-22,000]					
4	COMANCHE																	
5	UH-60 BLACKHAWK (MYP)		27	299,456	35	417,056		27	299,456		27	299,456		27	299,456		27	299,456
	HH-60M																	
5	LESS: ADVANCE PROCUREMENT			-19,719		[8]	[117,600]						-19,719				-19,719	
6	ADVANCE PROCUREMENT (CY)			34,723									34,723				34,723	
7	HELICOPTER NEW TRAINING			13,100									13,100				13,100	
	Modification of Aircraft																	
8	GUARDRAIL MODS (TIARA)			2,195														
9	ARL MODS (TIARA)																	
10	AH-64 MODS																	
	Modern Signal Processing Unit																	
	Combo PAK Aux Fuel System																	
	Aircraft wireless intercom (H. Amdt 31)																	
	Bladefold kits (H. Amdt 31)																	
11	CH-47 CARGO HELICOPTER MODS			723,813									723,813				698,813	
	Production efficiencies																	
	Crashworthy Crew Seats																	
													[6,500]					

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005			House			Senate			Conference Agreement			
		Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Change	Cost	Qty	Authorized
11	LESS: ADVANCE PROCUREMENT (PY)	-20,363		-20,363		-20,363		-20,363				-20,363		
12	ADVANCE PROCUREMENT (CY)	23,832		23,832		23,832		23,832				23,832		
13	UTILITY/CARGO AIRPLANE MODS	10,093		10,093		10,093		10,093				10,093		
14	OH-58 MODS													
15	AIRCRAFT LONG RANGE MODS													
16	LONGBOW	754		754		754		754				754		
	AH-64D Combo Pak acceleration	668,559		668,559		673,559		673,559				668,559		
16	LESS: ADVANCE PROCUREMENT (PY)	-14,099		-14,099		[5,000]		[5,000]				-14,099		
17	ADVANCE PROCUREMENT (CY)					-14,099		-14,099				-14,099		
18	UH-60 MODS	156,389		156,389		156,389		156,389		1,000		157,389		
	Crashworthy external fuel system for UH-60					[5,000]		[5,000]		[1,000]		[1,000]		
18	UH-60 Blackhawk de-icing systems upgrade	-13,500		-13,500		-13,500		-13,500				-13,500		
19	LESS: ADVANCE PROCUREMENT (PY)	6,130		6,130		6,130		6,130				6,130		
	ADVANCE PROCUREMENT (CY)					[2,400]		[2,400]						
	De-icing System Upgrade (non-add)					39,276		39,276						
20	KIOWA WARRIOR					39,276		45,276				39,276		
	OH-58D Safety Enhancement Program - GAU-19 gun					[6,000]		[6,000]						
21	AIRBORNE AVIONICS	49,091		49,091		49,091		49,091				49,091		
22	GATM ROLLUP	61,259		61,259		61,259		61,259				61,259		
23	AIRBORNE DIGITIZATION													
24	Spares and Repair Parts													
24	SPARE PARTS (AIR)	10,857		10,857		10,857		10,857				10,857		
	Support Equipment and Facilities													
	Ground Support Avionics													
25	AIRCRAFT SURVIVABILITY EQUIPMENT	7,319		7,319		17,319		17,319				12,319		
	Additional AVR-2B					[10,000]		[10,000]				[15,000]		
26	ASE INFRARED CM	272,165		272,165		272,165		272,165				272,165		

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005				House				Senate				Conference Agreement			
		Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Cost	Change	Cost	Qty	Authorized	Cost	
27	ARMBORNE COMMAND & CONTROL A2C2S			26,603		26,603		37,503		1,000				27,603			
28	AVIONICS SUPPORT EQUIPMENT	5,140			5,140			5,140		[10,900]	[1,000]			5,140			
29	COMMON GROUND EQUIPMENT	55,543			55,543			55,543		5,140				55,543			
30	ARCREW INTEGRATED SYSTEMS Cockpit Airbag System (CABS)	28,699			28,609			31,109		1,200				29,809			
31	AIR TRAFFIC CONTROL	55,449			55,449			55,449		[2,500]	[1,200]			55,449			
32	INDUSTRIAL FACILITIES	45,216			45,216			45,216						45,216			
33	LAUNCHER, 2.75 ROCKET	2,413			2,413			2,413						2,413			
34	ARMBORNE COMMUNICATIONS AN/ARS-6 Personnel Locator	9,769			9,769			9,769		2,200				11,969			
35	CLOSED ACCOUNT ADJUSTMENT									[6,000]	[2,000]						
Total - Aircraft Procurement, Army		2,658,240								2,809,940		2,702,640		-46,700		2,611,540	

Missile Procurement, Army Overview

The budget request for fiscal year 2005 included an authorization of \$1,398.3 million in Missile Procurement, Army for the Department of Defense.

The House bill would authorize \$1,504.3 million.

The Senate amendment would authorize \$1,488.3 million.

The conferees recommend an authorization of \$1,307.0 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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Title I - Procurement

(Dollars in Thousands)

Line	Program Title		FY 2005		House		Senate		Conference Agreement			
			Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Change	Cost
	Missile Procurement, Army											
	Other Missiles											
1	PATRIOT SYSTEM SUMMARY		108	489,253	108	579,253	144	579,253	[90,000]	108	489,253	
	PAC-3 missiles											
2	Additional PAC-3 missiles (H. Amdt 10)											
3	STINGER SYSTEM SUMMARY			2,449			2,449					2,449
	SURFACE-LAUNCHED AMRAAM SYSTEM SUMMARY											
4	Air-to-surface Missile System											
5	HELLFIRE SYS SUMMARY			108,475		108,475		108,475				108,475
	APKWS (ADVANCED PRECISION KILL WEAPON S			755		755		755				755
6	ADVANCE PROCUREMENT (CY)			6,124		6,124		6,124				6,124
7	Anti-tank/Assault Missile System											
	JAVELIN (AAWS-M) SYSTEM SUMMARY											
	Additional Missiles- ARNG											
7	LESS; ADVANCE PROCUREMENT (PY)			-7,600		-7,600		-7,600				-7,600
8	ADVANCE PROCUREMENT (CY)											
9	LINE OF SIGHT ANTI-TANK (LOSAT) SYSTEM SUM		158	86,321	158	86,321	158	86,321		-71,321	158	15,000
	Program termination											
10	TOW 2 SYSTEM SUMMARY											
	Program termination											
10	LESS; ADVANCE PROCUREMENT (PY)											
11	ADVANCE PROCUREMENT (CY)											
12	GUIDED MLRS ROCKET (GMRS)											
13	MLRS REDUCED RANGE PRACTICE ROCKETS (RF											
14	MLRS LAUNCHER SYSTEMS											
	Fielding and delivery cost growth											
15	HIGH MOBILITY ARTILLERY ROCKET SYSTEM (F											
16	ARMY TACTICAL MSL SYS (ATACMS) - SYS SUM											

Title I - Procurement (Dollars in Thousands)

(Dollars in thousands)

Line	Program Title	FY 2005			House			Senate			Conference Agreement			
		Request	Qty	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Change	Qty	Cost	Authorized
Modification of Missiles														
17	PATRIOT MODS		87,948			87,948			87,948			87,948		
18	STINGER MODS		9,784			9,784			9,784			9,784		
19	ITAS/TOW MODS		18,970			18,970			18,970			18,970		
20	MLRS MODS													
21	HIMARS MODIFICATIONS: (NON AAO)		474			474			474			474		
22	HELLFIRE MODIFICATIONS		9,770			9,770			9,770			9,770		
23	SPARES AND REPAIR PARTS		33,779			33,779			33,779			33,779		
Support Equipment and Facilities														
24	AIR DEFENSE TARGETS		5,843			5,843			5,843			5,843		
25	ITEMS LESS THAN \$5.0M (MISSILES)		10			10			10			10		
26	MISSILE DEMILITARIZATION													
27	PRODUCTION BASE SUPPORT													
28	CLOSED ACCOUNT ADJUSTMENTS													
	Total - Missile Procurement Army		1,396,321			1,504,321			1,488,321			-91,321		

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Procurement of Weapons and Tracked Combat Vehicles, Army Overview

The budget request for fiscal year 2005 included an authorization of \$1,639.7 million in Procurement of Weapons and Tracked Combat Vehicles, Army for the Department of Defense.

The House bill would authorize \$1,739.7 million.

The Senate amendment would authorize \$1,698.6 million.

The conferees recommend an authorization of \$1,702.7 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005			Senate			Conference Agreement		
		Request	Cost	Qty	Authorized	Cost	Qty	Change	Cost	Qty
Procurement of Weapons and Tracked Combat Vehicles										
1	ABRAMS FTRG DEV MOD	3,643	3,643							
2	BRADLEY BASE SUSTAINMENT LESS, ADVANCE PROCUREMENT (PY)	71,378	71,378							
3	BRADLEY FVS TRAINING DEVICES (MOD)									
4	ABRAMS/TANK TRAINING DEVICES	2,454	2,454							
5	STRYKER	3,624	3,624							
6	Modification of Tracked Combat Vehicles CARRIER, MOD	905,074	905,074							
7	M113A2 O/F for Army prepositioned stocks FIST VEHICLE (MOD)	1	1							
8	MOD OF IN-SVC EQUIP, FIST VEHICLE	670	670							
9	BFVS SERIES (MOD)	55,424	120,124							
	BFV Integrated Management									
	Reactive Armor Bradley TV									
10	HOWITZER, MED SP FT 155MM M109A6 (MOD)									
11	FAASV PIP TO FLEET	18,350	18,350							
	New production: FAASV or C2V (S. Amidt 3239)	7,294	7,294							
12	IMPROVED RECOVERY VEHICLE (M88 MOD)									
13	ARMORED VEH LAUNCH BRIDGE (AVLB) (MOD)									
14	M1 ABRAMS TANK (MOD)	116,917	116,917							
15	SYSTEM ENHANCEMENT PGM; SEP M1A2	67	292,152	67	292,152	67	292,152	67	292,152	67
16	ABRAMS UPGRADE PROGRAM									
17	Support Equipment and Facilities ITEMS LESS THAN \$5.0M (TCV-WTCV)	407	407							
18	PRODUCTION/BASE SUPPORT (TCV-WTCV)	10,278	10,278							

Title I - Procurement

(Dollars in Thousands)

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005				House				Senate				Conference Agreement			
		Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Cost	Change	Qty	Cost	Authorized	Cost	
38	INDUSTRIAL PREPAREDNESS			2,629		2,629			2,629				1,000			3,629	
	Rock Island Arsenal Upgrades (non-add)					[1,000]											
39	SMALL ARMS (SOLDIER ENH PROG)	3,492			3,492				13,192				[1,000]			3,492	
	Rapid fielding initiative (mags, sights, wpn pk's)								[9,700]								
40	REF SMALL ARMS	998			998				998							998	
	Spares																
41	SPARES AND REPAIR PARTS (WTCV)	20,088			20,088				20,088							20,088	
	Total - Procurement of WTCV, Army	1,639,695			1,739,695				1,698,595				63,000			1,702,695	

Procurement of Ammunition, Army Overview

The budget request for fiscal year 2005 included an authorization of \$1,556.9 million in Procurement of Ammunition, Army for the Department of Defense.

The House bill would authorize \$1,729.4 million.

The Senate amendment would authorize \$1,598.3 million.

The conferees recommend an authorization of \$1,545.7 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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Title I - Procurement

(Dollars in Thousands)

Line	Program Title	Procurement of Ammunition, Army	FY 2005			House			Senate			Conference Agreement		
			Request	Qty	Cost	Authorized	Qty	Cost	Authorized	Qty	Cost	Change	Qty	Cost
Ammunition														
1	Small/Medium Caliber Ammunition													
1	CTG, 5.56MM, ALL TYPES	173,550				173,550								173,550
2	CTG, 7.62MM, ALL TYPES	45,062				45,062								45,062
3	CTG, 9MM, ALL TYPES	5,078				5,078								5,078
4	CTG, .50 CAL, ALL TYPES	59,810				59,810								59,810
5	CTG, 25MM, ALL TYPES	21,600				21,600								21,600
6	CTG, 30MM, ALL TYPES	9,726				9,726								9,726
	30mm M789 HE/P	[17,000]												
7	CTG, 40MM, ALL TYPES	119,658				119,658								119,658
Mortar Ammunition														
8	60MM MORTAR, ALL TYPES	38,436				43,436								38,436
	60mm M720A1 HE M734A1 Fuze	[5,000]												
9	80MM MORTAR, ALL TYPES	4,597				19,597								4,597
	81mm M821A2 HE	[15,000]												
10	CTG, MORTAR, 120MM, ALL TYPES	50,316				88,416								50,316
	120mm M931A1 FR Practice	[22,000]												
	120mm M933 HE	[15,200]												
Tank Ammunition														
11	CTG TANK 105MM, ALL TYPES	27,419				27,419								27,419
12	120MM TANK TRAINING, ALL TYPES	139,718				139,718								139,718
13	CTG, TANK, 120MM TACTICAL, ALL TYPES	49,845				49,845								49,845
Artillery Ammunition														
14	CTG, ARTY, 75MM; ALL TYPES													

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005			House			Senate			Conference Agreement			
		Qty	Cost	Request	Qty	Authorized	Cost	Qty	Authorized	Cost	Change	Qty	Authorized	Cost
15	CTG, ARTY, 105MM, ALL TYPES	33,286			45,286			33,286						33,286
15	105mm M915 DPICM				[12,000]			132,668			-24,000			108,668
16	CTG, ARTY, 155MM, ALL TYPES	132,668			132,668						[-24,000]			
	M864 program delay													
17	PRO1 155MM EXTENDED RANGE XM982	16,960			16,960			16,960						16,960
18	MODULAR ARTILLERY CHARGE SYSTEM (MACS)	65,807			65,807			65,807						65,807
	Artillery Fuzes													
19	ARTILLERY FUZES, ALL TYPES	40,796			46,796			40,796			600			41,396
	Electronic Fuze M762A1/M767A1				[6,000]						[600]			
	Mines													
20	MINE, TRAINING, ALL TYPES	527			527									527
21	MINES (CONVENTIONAL), ALL TYPES	4,242			4,242									4,242
22	MINE AT VOLCANO, ALL TYPES													
23	MINE, CLEARING CHARGE, ALL TYPES	1,020			1,020			1,020						1,020
24	ANTIPERSONNEL LANDMINE ALTERNATIVES	15,222			15,222			15,222						15,222
	Rockets													
25	SHOULDER FIRED ROCKETS, ALL TYPES	15,414			25,414			15,414						15,414
	Bunker Defeat Munition-NE				[10,000]									
26	ROCKET, HYDRA 70, ALL TYPES	164,689			164,689			164,689			-43,000			121,689
	Training rounds--procuring ahead of need										[-43,000]			
	Other Ammunition													
27	DEMOLITION MUNITIONS, ALL TYPES	29,193			37,193			29,193						29,193
	M112 Demolition Charge				[8,000]									
28	GRENADES, ALL TYPES	52,857			52,857			52,857						52,857
29	SIGNALS, ALL TYPES	26,276			26,276			26,276						26,276
30	SIMULATORS, ALL TYPES	20,165			20,165			20,165						20,165
	Miscellaneous													
31	AMMO COMPONENTS, ALL TYPES	8,550			8,550			8,550						8,550

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	House				Senate				Conference Agreement					
		FY 2005 Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Change	Cost	Qty	Authorized	Cost
32	NON-LETHAL AMMUNITION ALL TYPES		5,534			5,534			5,534			5,534			5,534
33	CAD/PAD ALL TYPES		3,884			3,884			3,884			3,884			3,884
34	ITEMS LESS THAN \$5 MILLION		11,398			11,398			11,398			11,398			11,398
35	AMMUNITION PECULIAR EQUIPMENT		4,898			4,898			4,898			4,898			4,898
	Robotic dominated ammunition module					[3,000]									
	Desert optimized equipment					[1,000]									
36	FIRST DESTINATION TRANSPORTATION (AMMO)	10,700		10,700		10,700			10,700			10,700			10,700
37	CLOSEOUT LIABILITIES	80		80		80			80			80			80
	Ammunition Production Base Support														
38	Production Base Support					40,746			40,746			40,746			40,746
	PROVISION OF INDUSTRIAL FACILITIES														
	120mm ext range mortar ammo flexible load, assembly, and pack														
	RDX nitration facility reactivation														
	Acid plant modernization														
	Lake City AAP Modernization														
	Raiford AAP Modernization														
	Lone Star AAP LAP upgrades														
	Kansas AAP LAP upgrades														
39	LAYAWAY OF INDUSTRIAL FACILITIES					2,315			2,315			2,315			2,315
40	MAINTENANCE OF INACTIVE FACILITIES					4,745			4,745			4,745			4,745

Title I - Procurement (Dollars in Thousands)

(Dollars in thousands)

Line	Program Title	FY 2005						Conference Agreement					
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
41	CONVENTIONAL MUNITIONS DEMILITARIZATION	55,372	97,372										
	Conventional Ammunition Demilitarization							102,772					
	Missile recycling energetics processing module								4,300				
	Remote Weapon Decasing and Explosive Removal Kits									[2,200]			
	Rotary Furnace RF9 Upgrades										[2,100]		
42	ARMS INITIATIVE	4,743		4,743								4,743	
	Total - Procurement of Ammunition, Army	1,556,902		1,729,402									1,545,702
												-11,200	

Other Procurement, Army Overview

The budget request for fiscal year 2005 included an authorization of \$4,240.9 million in Other Procurement, Army for the Department of Defense.

The House bill would authorize \$4,309.6 million.

The Senate amendment would authorize \$5,383.3 million.

The conferees recommend an authorization of \$4,345.2 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005				House				Senate				Conference Agreement			
		Qty	Cost	Request	Authorized	Qty	Cost	Authorized	Cost	Qty	Cost	Change	Cost	Qty	Authorized	Cost	
Other Procurement, Army																	
	Tactical and Support Vehicles																
1	TACTICAL TRAILERS/DOLLY SETS	11,940		11,940		11,940		11,940		-1,500		-1,500		10,440			
	Unjustified cost growth									[-1,500]							
2	SEMITRAILERS, FLATBED:	9,242		9,242		9,242		9,242		11,742		11,742		9,242			
	M871A3 semitrailers									[2,500]							
3	SEMITRAILERS, TANKERS	667		667		667		667		667		667		667			
4	HIGH MOB MULTI-PURP WLD VEH (HMMWV)	303,692		303,692		303,692		303,692		618,692		618,692		303,692			
	Up-armored HMMWV production									[315,000]							
5	TRUCK, DUMP, 20T (CCE)	505,664		505,664		505,664		505,664		505,664		505,664		505,664			
6	FAMILY OF MEDIUM TACTICAL VEH (FMTV)	2,198		2,198		2,198		2,198		2,198		2,198		2,198			
7	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMENT	84,038		84,038		84,038		84,038		134,038		134,038		105,038			
8	FAMILY OF HEAVY TACTICAL VEHICLES (HTTV)									[15,000]				[21,000]			
	Additional vehicles									[35,000]							
	Movement Tracking System									[15,000]							
8a	Wheeled Vehicle Ballistic Armor Protection									[60,000]							
	Up-armored HMMWVs or armor kits for trucks																
9	ARMORED SECURITY VEHICLES (ASV)																
10	TRUCK, TRACTOR, LINE HAUL, M915/M916	15,314		15,314		15,314		15,314		30,314		30,314		30,314			
	M915A3 family of military vehicles									[15,000]							
11	TOWING DEVICE, 5TH WHEEL																
12	TRUCK, TRACTOR, YARD TYPE, M878 (C/S)																
13	HEV EXPANDED MOBILE TACTICAL TRUCK EXT	19,204		19,204		19,204		19,204		25,848		25,848		19,204			
14	MODIFICATION OF IN SVC EQUIP	25,848		25,848		25,848		25,848		247		247		25,848			
15	ITEMS LESS THAN \$5.0M (TAC VEH)	247		247		247		247		1,907		1,907		1,907			
16	TOWING DEVICE-FIFTH WHEEL	1,907		1,907		1,907		1,907									

Title I - Procurement
(Dollars in Thousands)

Line	Program Title	FY 2005				House				Senate				Conference Agreement			
		Qty	Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Change	Cost	Qty	Authorized	Cost	
17	Non-tactical Vehicles HEAVY ARMORED SEDAN	196			196			196			196			196			
18	PASSENGER CARRYING VEHICLES	197			197			197			197			197			
19	NONTACTICAL VEHICLES, OTHER Communications and Electronics Equipment Comm-Joint Communications	196			196			196			196			196			
20	COMBAT IDENTIFICATION PROGRAM	4,550			4,550			4,550			4,550			4,550			
21	ICSE EQUIPMENT (USREDCOM)																
22	Comm-Satellite Communications DEFENSE SAT COMMUNICATIONS SYSTEM (SPAC)	99,775			99,775			99,775			99,775			99,775			
23	SHF TERM	30,621			30,621			30,621			30,621			26,621			
24	Unjustified cost growth SATTERM, EMUT (SPACE)	3,371			3,371			3,371			3,371			3,371			
25	NAVSTAR GLOBAL POSITIONING SYSTEM (SPAC) Defense advanced GPS receiver	40,067			40,067			40,067			45,067			3,800			
26	SMART-T (SPACE)	73,354			73,354			73,354			[5,000]			[3,800]			
27	Unjustified cost growth SCAMP (SPACE)	600			600			600			-1,700			-1,700			
28	MILSTAR COMPONENTS (SPACE)	25,282			25,282			25,282			25,282			25,282			
29	GLOBAL BRDCST SVC - GBS	12,664			12,664			12,664			12,664			12,664			
30	MOD OF IN-SVCS EQUIP (TAC SAT) Comm-C3 System	198			198			198			198			198			
31	ARMY GLOBAL CMD & CONTROL SYS (AGCCS)	19,790			19,790			19,790			19,790			19,790			

Title I - Procurement
(Dollars in Thousands)

Line	Program Title	FY 2005			House			Senate			Conference Agreement			
		Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Change	Cost	Qty	Authorized
32	Comm-Combat Communications			34,435		34,435		41,435		7,000		41,435		
	ARMY DATA DISTRIBUTION SYSTEM (DATA RAE Enhanced position location reporting system			121,452		121,452		121,452		[7,000]		[7,000]		
33	JTRS CLUSTER 1									-10,000		-10,000		111,452
	Excessive management costs									[-10,000]				
34	RADIO TERMINAL SET, MIDS LVT(2)			3,223		3,223		3,223					3,223	
35	SINCGARS/TAMILY SINCGARS radios			48,614		48,614		61,114		5,000		5,000		53,614
36	MULTI-PURPOSE INFORMATION OPERATIONS SY			7,776		7,776		7,776					7,776	
37	JOINT TACTICAL AREA COMMAND SYSTEMS			~843		8,843		843		1,800		1,800		2,643
	Open Architecture COTS Integration					[8,000]				[1,800]				
38	ACUS MOD PROGRAM			81,317		81,317		81,317					81,317	
39	COMMS-ELEC EQUIP FIELDING			8,889		8,889		8,889		22,889		22,889		8,889
	Rapid fielding initiative (MBITR)									[14,000]				
40	SOLDIER ENHANCEMENT PROGRAM COMM/ELE			25,952		25,952		25,952					25,952	
41	COMBAT SURVIVOR EVADER LOCATOR (CSEL)			28,767		28,767		28,767					28,767	
42	RADIO IMPROVED HF FAMILY			6,948		6,948		6,948					6,948	
43	MEDICAL COMM FOR CBT CASUALTY CARE (MC			4,662		4,662		4,662					4,662	
44	Comm-Intelligence Communications													
	CI AUTOMATION ARCHITECTURE			1,279		1,279		1,279					1,279	
	Information Security													
45	TSEC- ARMY KEY MGT SYS (AKMS)			2,834		2,834		2,834					2,834	
46	INFORMATION SYSTEM SECURITY PROGRAM-IS ^s			114,124		114,124		114,124					114,124	
	Comm-Long Haul Communications													
47	TERRESTRIAL TRANSMISSION			23,421		23,421		23,421					23,421	
48	BASE SUPPORT COMMUNICATIONS			40,564		40,564		40,564					40,564	
49	ARMY DISN ROUTER			6,133		6,133		6,133					6,133	
50	ELECTROMAG COMP PROG (EMCP)			469		469		469					469	

Title I - Procurement

(Dollars in Thousands)

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005			House			Senate			Conference Agreement			
		Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Change	Cost	Qty	Authorized
70	ITEMS LESS THAN \$5.0M (TIARA) Elect Equip-Electronic Warfare (EW)													
71	SHORTSTOP													
	Program increase													
72	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES Elect Equip-Tactical Surv. (TAC SURV)													
73	FAAD GBS													
74	SENTINEL MODS	7,487			7,487			7,487			7,487			
75	NIGHT VISION DEVICES	102,325		-	102,325			116,325			102,325			
	Night vision device PVS-14							[14,000]						
76	LONG RANGE ADVANCED SCOUT SURVEILLANCE	49,176			49,176			49,176			49,176			
77	LWTW VIDEO RECON SYSTEM (LWVRS)	54,809			54,809			54,809			54,809			
78	NIGHT VISION, THERMAL WPN SIGHT													
79	ARTILLERY ACCURACY EQUIP													
80	MOD OF IN-SVC EQUIP (MMS)	461			461			461			461			
81	MOD OF IN-SVC EQUIP (MVS)	280			280			280			280			
82	PORTABLE INDUCTIVE ARTILLERY FUZE SETTEI	1,985			1,985			1,985			1,985			
83	PROFILER	4,963			4,963			4,963			4,963			
	Meteorological measuring set - Profiler							[3,400]			[2,600]			
84	MOD OF IN-SVC EQUIP (TAC SURV) ANT/PO-36(V)8 radar processor replacement/upgrade	17,444			21,444			21,444			21,444			
	ANT/PO-36(V)8 radar processor replacement/upgrade							[4,000]			[4,000]			
85	FORCE XXI BATTLE CMD BRIGADE & BELOW (FT	120,073			120,073			120,073			120,073			
86	LIGHTWEIGHT LASER DESIGNATOR/RANGEFIND	12,339			12,339			12,339			12,339			
87	MORTAR FIRE CONTROL SYSTEM	14,633			14,633			14,633			14,633			
88	INTEGRATED MET SYS SENSORS (IMETS) - TIARA ^A	346			346			346			346			
89	ENHANCED SENSOR & MONITORING SYSTEM	1,456			1,456			1,456			1,456			
	Program decrease							[1,456]						

Title I - Procurement
(Dollars in Thousands)

Line	Program Title	FY 2005				House				Senate				Conference Agreement			
		Qty	Cost	Request	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Cost	Change	Qty	Cost	Authorized	Cost
Elect Equip- tactical C2 Systems																	
90	TACTICAL OPERATIONS CENTERS	50,692			50,692			50,692			50,692			50,692			
91	ADV FA TAC DATA SYS /EFF CTRL SYS (AFATDS	26,922			26,922			26,922			26,922			26,922			
92	MOD OF IN-SVC EQUIP, AFATDS	3,990			3,990			3,990			3,990			3,990			
93	LIGHT WEIGHT TECH FIRE DIRECTION SYS (LWT	2,018			2,018			2,018			2,018			2,018			
94	BATTLE COMMAND SUSTAINMENT SUPPORT SY	11,909			11,909			11,909			11,909			11,909			
95	FAAD C2	12,873			12,873			12,873			12,873			12,873			
96	AIR & MSL DEFENSE PLANNING & CONTROL SYS	6,400			6,400			6,400			6,400			6,400			
97	FORWARD ENTRY DEVICE /LIGHTWEIGHT FED (2,045			2,045			2,045			2,045			2,045			
98	KNIGHT FAMILY	2,236			2,236			2,236			2,236			2,236			
99	LIFE CYCLE SOFTWARE SUPPORT (LCSS)	1,827			1,827			1,827			1,827			1,827			
100	LOGTECH	24,416			24,416			24,416			24,416			24,416			
101	TC AIMS II	16,376			16,376			16,376			16,376			16,376			
102	GUN LAYING AND POS SYS (GLPS)																
103	ISYSCON EQUIPMENT																
104	JOINT NETWORK MANAGEMENT SYSTEM (JNMS	12,587			12,587			12,587			12,587			12,587			
105	TACTICAL INTERNET MANAGER	11,363			11,363			11,363			11,363			11,363			
106	MANEUVER CONTROL SYSTEM (MCS)	29,136			29,136			29,136			29,136			29,136			
107	STAMIS TACTICAL COMPUTERS (STACOMP)	54,581			54,581			54,581			54,581			54,581			
108	STANDARD INTEGRATED CMD POST SYSTEM																
109	Elect Equip - Automation																
	ARMY TRAINING MODERNIZATION	5,377			5,377			5,377			5,377			5,377			

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005			House			Senate			Conference Agreement		
		Qty	Cost	Request	Qty	Authorized	Cost	Qty	Cost	Authorized	Qty	Cost	Authorized
110	AUTOMATED DATA PROCESSING EQUIP	146,134			146,184			152,984			1,000		[1,000]
	Active data-rich RFID for in-transit visibility							[6,800]					
111	RESERVE COMPONENT AUTOMATION SYS (RCA)	48,467			48,467			48,467					
	Elect Equip-Audio Visual Sys (A/V)												
112	AFRTS	1,801			1,801			1,801					
113	ITEMS LESS THAN \$5.0M (A/V)	1,624			1,624			1,624					
114	ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT)	2,298			2,298			2,298					
	Elect Equip-Support												
115	PRODUCTION BASE SUPPORT (C-E)	434			434			434					
	Other Support Equipment												
	Chemical Defensive Equipment												
116	SMOKE & OBSCURANT FAMILY: SOF (NON AAO)	3,863			3,863			3,863					
	Bridging Equipment												
117	TACTICAL BRIDGING	34,137			34,137			34,137					
118	TACTICAL BRIDGE, FLOAT-RIBBON	17,360			17,360			17,360					
	Engineer (Non-construction) Equipment												
119	DISPENSER, MINE M139												
120	TOWED VOLCANO DELIVERY SYSTEM												
121	HANDHELD STANDOFF MINEFIELD DETECTION :	6,906			6,906			6,906					
122	KIT, STANDARD TELEOPERATING	3,023			3,023			3,023					
123	GRND STANDOFF MINE DETECTION SYSTEM (GS	2,001			2,001			7,301					
	Buffalo landmine vehicles							[6,300]					
	Buffalo landmine vehicles (S. Amdt 3228)												
124	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS)	1,038			1,038			1,038					
125	EXPLOSIVE ORDNANCE DISPOSAL EQPTN (EOD)	12,670			12,670			12,670					
126	ITEMS LESS THAN \$5M, COUNTERMINE EQUIPM	680			680			680					
	Combat Service Support Equipment												
127	HEATERS AND ECU'S	17,554			17,554			17,554					

Title I - Procurement

(Dollars in thousands)

Title I - Procurement (Dollars in Thousands)

(Dollars in thousands)

Title I - Procurement

(Dollars in Thousands)

(Dollars in thousands)										
Line	Program Title	FY 2005				FY 2006				Conference Agreement Authorized Cost
		Request	Cost	Qty	Authorized Cost	Qty	Cost	Change	Qty	
165	GENERATORS AND ASSOCIATED EQUIP Generators	54,397		54,397		54,397				54,397
166	Material Handling Equipment									
166	ROUGH TERRAIN CONTAINER HANDLER (RTCH)									
167	ALL-TERRAIN LIFTING ARMY SYSTEM	1,315		1,315		1,315				1,315
168	MHE EXTENDED SERVICE PROGRAM (ESP)									
169	ITEMS LESS THAN \$5.0M (MHE)									
170	COMBAT TRAINING CENTERS (CTC) SUPPORT	86,421		86,421		86,421				86,421
171	TRAINING DEVICES, NONSYSTEM	241,946		242,446		269,346				257,646
	Call for fire trainer/joint fires and effects trainer					[10,000]				[5,000]
	MOUT instrumentation					[2,400]				[1,700]
	Laser marksmanship training system					[15,000]				[9,000]
172	Live Fire Range Targeting Equipment									
172	CLOSE COMBAT TACTICAL TRAINER	61,811		61,811		-				61,811
173	AVIATION COMBINED ARMS TACTICAL TRAINER	40,803		40,803		40,803				40,803
	Test, Measure and Dig Equipment (TMD)									
174	CALIBRATION SETS EQUIPMENT									
175	INTEGRATED FAMILY OF TEST EQUIPMENT (IFT)	4,054		4,054		4,054				4,054
176	TEST EQUIPMENT MODERNIZATION (TEMOD)	\$,214		5,214		5,214				5,214
177	ARMY DIAGNOSTICS IMPROVEMENT (ADIPI)									
	Other Support Equipment									
178	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	13,510		13,510		13,510				13,510
179	PHYSICAL SECURITY SYSTEMS (OPA3)	68,044		71,044		68,044				68,044
	Gamma Ray Inspection Equipment									
180	BASE LEVEL COML EQUIPMENT	7,197		7,197		7,197				7,197
181	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)	10,457		10,457		10,457				10,457
182	PRODUCTION BASE SUPPORT (OTH)	2,655		2,655		2,655				2,655

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005				House				Senate				Conference Agreement			
		Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Change	Cost	Qty	Authorized	Cost		
183	SPECIAL EQUIPMENT FOR USER TESTING			9,905		9,905			9,905			9,905			9,905		
184	MA8975 Spares and Repair Parts			2,447		2,447			2,447			2,447			2,447		
OPA2																	
185	INITIAL SPARES - C&E			44,102		44,102			44,102			44,102			44,102		
OPA3																	
186	INITIAL SPARES - OTHER SUPPORT EQUIP			1,260		1,260			1,260			1,260			1,260		
999	CLASSIFIED PROGRAMS			9,354		9,354			9,354			9,354			9,354		
	Financial information systems																
	Information systems (H. Amdt 31)																
	Total - Other Procurement, Army			4,240,896		4,309,640			5,383,296			104,350			4,345,246		

Aircraft Procurement, Navy Overview

The budget request for fiscal year 2005 included an authorization of \$8,767.9 million in Aircraft Procurement, Navy for the Department of Defense.

The House bill would authorize \$8,912.7 million.

The Senate amendment would authorize \$8,870.8 million.

The conferees recommend an authorization of \$8,814.4 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005		House		Senate		Conference Agreement		
		Qty	Request Cost	Qty	Authorized Cost	Qty	Authorized Cost	Qty	Change Cost	Qty
Aircraft Procurement, Navy										
1	Combat Aircraft									
1	AV-8B (V/STOL) HARRIER (MYP)	4,659		4,659		4,659				4,659
2	ADVANCE PROCUREMENT (CY)	8,243		8,243		8,243				8,243
3	FA-18E/F (FIGHTER) HORNET (MYP)	2,991,592	45	3,015,592	42	2,991,592		42		2,991,592
3	LESS: ADVANCE PROCUREMENT (PY) SHARP	-84,136	[3]	-84,136	[24,000]	-84,136				-84,136
4	ADVANCE PROCUREMENT (CY)	78,306		78,306		78,306				78,306
5	V-22 (MEDIUM LIFT)	885,339	-	8	885,339	8	885,339		8	885,339
5	LESS: ADVANCE PROCUREMENT (PY)	-38,768		-38,768		-38,768				-38,768
6	ADVANCE PROCUREMENT (CY)	71,490		71,490		71,490				71,490
7	UH-1Y/AH-1Z	241,792	9	241,792	9	241,792				241,792
8	MH-60S (MYP)	390,427	15	390,427	15	390,427		15		390,427
8	LESS: ADVANCE PROCUREMENT (PY)	-94,832		-94,832		-94,832				-94,832
9	ADVANCE PROCUREMENT (CY)	105,159		105,159		105,159				105,159
10	MH-60R	384,618	8	384,618	8	384,618				384,618
	Align production ramp more closely to 2004 level									
10	LESS: ADVANCE PROCUREMENT (PY)	-46,127		-46,127		-46,127				-46,127
	Reductions									
11	ADVANCE PROCUREMENT (CY)	70,604		70,604		61,204				70,604
	Reductions									
12	E-2C (EARLY WARNING) HAWKEYE (MYP)	2	226,132	2	226,132	2	226,132		2	226,132
12	LESS: ADVANCE PROCUREMENT (PY)	-14,505		-14,505		-14,505				-14,505
13	ADVANCE PROCUREMENT (CY)	36,413		36,413		36,413				36,413
14	Airlift Aircraft	1	65,224	1	65,224	1	65,224		1	65,224
15	UC-35									
15	C-40A									

Title I - Procurement

(Dollars in Thousands)

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005			House			Senate			Conference Agreement		
		Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Change	Cost	Authorized
27	F-18 SERIES ATFLIR			412,495		412,495		412,495		412,495		[8,000]	412,495
	Ancillary armament equipment											[4,000]	
28	H-46 SERIES CH-46 lightweight seats	71,179		71,179								79,179	
29	AH-1W SERIES Night Targeting System upgrade	2,153		2,153								7,153	
30	H-53 SERIES SH-60 SERIES	9,835		-		9,835						9,835	
31	H-60 armed helo kits	11,655		11,655								16,655	
32	H-1 SERIES Night Thermal Imaging System	3,488		17,488								3,488	
33	EP-3 SERIES EP-3 IMOD common configuration	28,339		[14,000]		28,339						[5,000]	
34	P-3 SERIES P-3 AIP kits	134,970		138,970								171,770	
	Operational flight trainer for the P-3											[26,800]	
	Communications Upgrade Risk Reduction											[10,000]	
35	S-3 SERIES E-2 SERIES	1,861		1,861								1,861	
36	Production navigation equipment	15,124		22,724								23,124	
	AN/USC-42 MIN-DAMA											[8,000]	
37	TRAINER A/C SERIES	14,040		14,040								14,040	
38	C-2A	29,564		29,564								29,564	
39	C-130 SERIES	15,419		15,419								15,419	
40	FEWSG	579		579								579	
41	CARGO/TRANSPORT A/C SERIES	8,285		8,285								8,285	

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005				House				Senate				Conference Agreement			
		Qty	Cost	Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Change	Cost	Qty	Authorized	Cost
42	E-6 SERIES	19,721				19,721			19,721			19,721				19,721	
43	EXECUTIVE HELICOPTERS SERIES	21,800				21,800			21,800			21,800				21,800	
44	SPECIAL PROJECT AIRCRAFT	12,415				12,415			12,415			12,415				12,415	
45	T-45 SERIES	44,190				44,190			44,190			44,190				44,190	
46	POWER PLANT CHANGES	24,409				24,409			24,409			24,409				24,409	
47	JPAT'S SERIES	648				648			648			648				648	
48	AVIATION LIFE SUPPORT MODES	7,364				7,364			7,364			7,364				7,364	
49	COMMON ECM EQUIPMENT	43,163				43,163			43,163			43,163				43,163	
50	COMMON AVIONICS CHANGES	167,504				167,504			167,504			167,504				167,504	
51	ID SYSTEMS	1,575				1,575			1,575			1,575				1,575	
52	V-22 (TILT/ROTOR ACFT) OSPREY	3,448				3,448			3,448			3,448				3,448	
53	Aircraft Spares and Repair Parts SPARES AND REPAIR PARTS	925,813				984,813			925,813			925,813				925,813	
	Spare Engine Procurement Transfer From Title III WCF					[59,000]						[59,000]				[59,000]	
	MH-60 initial spares																
54	Aircraft Support Equipment and Facilities COMMON GROUND EQUIPMENT	474,521				474,521			474,521			474,521				474,521	
55	AIRCRAFT INDUSTRIAL FACILITIES Metrology and Calibration Program	16,115				17,315			16,115			1,000				17,115	
56	WAR CONSUMABLES	9,070				[1,200]			9,070			[1,000]				9,070	



Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005				House				Senate				Conference Agreement			
		Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Change	Cost	Qty	Authorized	Cost	Qty	
57	OTHER PRODUCTION CHARGES																
58	SPECIAL SUPPORT EQUIPMENT	61,553	9,883	9,883	61,553	61,553	9,883	9,883	61,553	61,553	61,553	9,883	9,883	61,553	9,883		
59	FIRST DESTINATION TRANSPORTATION	1,581															
60	JUDGMENT FUND																
61	CANCELLED ACCOUNT ADJUSTMENTS																
Total - Aircraft Procurement, Navy		8,767,867		8,912,667		8,870,832		46,575		46,575		8,814,442					

Weapons Procurement, Navy Overview

The budget request for fiscal year 2005 included an authorization of \$2,101.5 million in Weapons Procurement, Navy for the Department of Defense.

The House bill would authorize \$2,253.5 million.

The Senate amendment would authorize \$2,183.8 million.

The conferees recommend an authorization of \$2,067.5 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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Title I - Procurement

(Dollars in Thousands)

<u>Line</u>	<u>Program Title</u>	FY 2005				House				Senate				Conference Agreement			
		Qty	Cost	Request	Authorized	Qty	Cost	Authorized	Qty	Cost	Request	Authorized	Qty	Cost	Change	Authorized	
	Weapons Procurement, Navy																
	Ballistic Missiles																
1	TRIDENT II	5	113,761	5	113,761	5	113,761	5	5	113,761	-40,694	-40,694	5	113,761	-40,694		
1	LESS: ADVANCE PROCUREMENT (PY)		-40,694														
	Modification of Missiles																
2	TRIDENT II MODS		695,555		695,555		695,555		695,555		695,555		695,555		-50,000		645,555
	Excess program growth														[50,000]		
	Support Equipment and Facilities																
3	MISSILE INDUSTRIAL FACILITIES																
	Other Missiles																
	Strategic Missiles																
4	TOMAHAWK	293	256,196	350	305,896	316	276,196	28	28	24,000	321	280,196					
	Tactical Tomahawk missiles			[57]	[49,700]	[23]	[20,000]	[28]	[28]	[24,000]	[24,000]	[24,000]					
5	ESSM	71	80,313	95	102,313	81	91,613		81	[11,300]	[10]	[11,300]	71	80,313			
	Additional missiles																
	Program increase																
	Tactical Missiles																
6	AMRAAM	46	33,914	46	33,914	46	33,914	46	33,914					-5,000	46	28,914	
	Production support continuity with USAF													[5,000]			
7	SIDEWINDER	157	35,177	157	35,177	157	35,177	157	35,177					-3,800	157	31,377	
	Accounting/ pricing inconsistencies													[3,800]			
8	JSOW	389	139,407	389	152,407	404	144,407		144,407					4,000	389	143,407	
	Additional JSOW-C missiles													[5,000]			
9	SLAM-ER													[4,000]			
10	STANDARD MISSILE	75	150,098	75	150,098	75	150,098	75	150,098							75	150,098
10a	Hellfire																
11	RAM	90	47,412	90	47,412	90	47,412	90	47,412							90	47,412
12	AERIAL TARGETS																72,686

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005			House			Senate			Conference Agreement		
		Qty	Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Change	Cost
13	DRONES AND DECOYS												
14	OTHER MISSILE SUPPORT	10,385			10,385			190		26,385			
	AGM-114 Hellfire							[190]		[16,000]			
15	Modification of Missiles												
16	SIDEWINDER MODS												
17	HARM MODS												
17	STANDARD MISSILES MODS	51,790			51,790			51,790					51,790
	Support Equipment and Facilities												
18	WEAPONS INDUSTRIAL FACILITIES	4,037	-		4,037			24,037		20,000			24,037
	Allegany Ballistics Laboratory facility restoration							[20,000]		[20,000]			
19	Ordnance Support Equipment	56,073			56,073			56,073		-16,100			39,973
	ORDNANCE SUPPORT EQUIPMENT												
	Torpedoes and Related Equipment												
20	ASW TARGETS	23,973			23,973			23,973					23,973
	Mod of Torpedoes and Related Equipment												
21	MK-46 TORPEDO MODS	61,413			61,413			61,413					61,413
22	MK-48 TORPEDO ADCAP MODS	61,185			61,185			61,185					61,185
23	QUICKSTRIKE MINE	2,981			2,981			2,981					2,981
24	Support Equipment												
24	TORPEDO SUPPORT EQUIPMENT	23,401			23,401			23,401					23,401
25	ASW RANGE SUPPORT	12,935			12,935			12,935					12,935
26	Destination Transportation												
	FIRST DESTINATION TRANSPORTATION	3,123			3,123			3,123					3,123
	Other Weapons												
27	Guns and Gun Mounts												
	SMALL ARMS AND WEAPONS	2,195			2,195			2,195					2,195

Title I - Procurement (Dollars in Thousands)

(Dollars in Thousands)

Line	Program Title	FY 2005			Senate			Conference Agreement		
		Request	Cost	Qty	Authorized	Cost	Qty	Change	Cost	Qty
28	COAST GUARD WEAPONS			5,349		5,349			5,349	
	Lack of justification materials								[5,349]	
29	AIRBORNE MINE NEUTRALIZATION SYSTEMS									101,128
	Modification of Guns and Gun Mounts									
30	CIWS MODS	86,128		120,128		96,128		15,000		
	Block IB upgrade			[34,000]		[10,000]		[15,000]		
31	5/54 GUN MOUNT MODS									25,858
32	GUN MOUNT MODS	25,858		25,858		25,858				
Other										
33	PIONEER	8,775				8,775				8,775
	Program decrease									
34	CRUISER MODERNIZATION WEAPONS	8,760		[8,775]		8,760		-8,760		
	Program reduction			8,760				[8,760]		
	CANCELLED ACCOUNT ADJUSTMENTS									
	Spares and Repair Parts									
36	SPARES AND REPAIR PARTS	68,009		68,009		68,009		-8,000		60,009
	Unjustified growth							[8,000]		
	Total - Weapons Procurement, Navy	2,101,529		2,253,454		2,183,829		-34,009		2,067,520

Procurement of Ammunition, Navy and Marine Corps Overview

The budget request for fiscal year 2005 included an authorization of \$858.6 million in Procurement of Ammunition, Navy and Marine Corps for the Department of Defense.

The House bill would authorize \$870.8 million.

The Senate amendment would authorize \$873.1 million.

The conferees recommend an authorization of \$878.1 million.

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

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Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005						Conference Agreement					
		Request	Cost	Qty	Authorized	House	Senate	Change	Cost	Qty	Authorized	Cost	Cost
Procurement of Ammunition, Navy & Marine Corps													
1	Proc Ammo, Navy												
1	NAVY AMMUNITION												
1	GENERAL PURPOSE BOMBS	181,452		6,620	151,189	6,620	181,452		6,620	151,189	6,620	181,452	
2	JDAM				34,151		151,189			34,151		151,189	
3	AIRBORNE ROCKETS, ALL TYPES				25,674		34,151			25,674		34,151	
4	MACHINE GUN AMMUNITION				53,577		25,674			53,577		25,674	
5	PRACTICE BOMBS				26,182		53,577			26,182		53,577	
6	CARTRIDGES & CART ACTUATED DEVICES				10,735		26,182			10,735		26,182	
7	AIRCRAFT ESCAPE ROCKETS				48,674		10,735			48,674		10,735	
8	AIR EXPENDABLE COUNTERMEASURES				4,502		48,674			4,502		48,674	
9	JATOS				19,749		4,502			19,749		4,502	
10	5 INCH/54 GUN AMMUNITION				500		4,502			500		4,502	
11	EXTENDED RANGE GUIDED MUNITIONS (ERGM)				1,153		19,749			1,153		19,749	
12	76MM GUN AMMUNITION				19,199		500			19,199		500	
13	OTHER SHIP GUN AMMUNITION				[10,200]		1,153			[10,200]		1,153	
14	20mm PGU-28/A/B				23,235		1,153			23,235		1,153	
14	SMALL ARMS & LANDING PARTY AMMO				10,133		19,199			10,133		19,199	
15	PYROTECHNIC AND DEMOLITION						[7,000]					[7,000]	
16	MINES NEUTRALIZATION DEVICES												
17	JUDGMENT FUND												
18	AMMUNITION LESS THAN \$5 MILLION												
	Proc Ammo, MC												
	Marine Corps Ammunition												
19	5.56 MM, ALL TYPES	35,129					35,129			35,129		35,129	
20	7.62 MM, ALL TYPES	8,708					8,708			8,708		8,708	

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005				House				Senate				Conference Agreement			
		Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Cost	Qty	Change	Cost	Qty	Cost	
21	LINEAR CHARGES, ALL TYPES	10,286			10,286			14,286			3,000			13,286			
	M59A1 linear demolition charge								[2,000]								
22	.50 CALIBER	1,898			1,898			1,898			[1,500]			1,898			
23	40 MM, ALL TYPES	23,614			23,614			25,614			1,500			25,114			
	40mm HEDP								[2,000]								
24	60MM, ALL TYPES	10,446			10,446			12,946			2,000			12,446			
	60mm high-explosive cartridge								[2,500]								
25	81MM, ALL TYPES	24,319			~			24,319			25,319			25,319			
	M853A1 illumination cartridge								[1,000]								
26	120MM, ALL TYPES	15,365			15,365			15,365						15,365			
27	CTG 25MM, ALL TYPES	3,749			3,749			3,749						3,749			
28	9 MM, ALL TYPES	7,644			7,644			7,644						7,644			
29	GRENADES, ALL TYPES	5,042			5,042			5,042						5,042			
30	STINGER SLEP																
31	ROCKETS, ALL TYPES	14,050			14,050			16,050			5,000			19,050			
	Shoulder launched, multi-purpose assault weapon								[3,000]								
	M72 improved light anti-armor weapon								[2,000]								
32	ARTILLERY, ALL TYPES	55,599			55,599			55,599			[2,000]			55,599			
33	EXPEDITIONARY FIGHTING VEHICLE	2,474			2,474			2,474						2,474			
34	DEMOLITION MUNITIONS, ALL TYPES	3,270			3,270			3,270						3,270			
35	FUZE, ALL TYPES	13,816			13,816			13,816						13,816			
36	NON LETHAL	1,145			1,145			1,145						1,145			
37	AMMO MODERNIZATION	7,123			7,123			7,123						7,123			
38	ITEMS LESS THAN \$5 MILLION	1,723			1,723			1,723						1,723			
	Total - Procurement of Ammunition, Navy & Marine Corps	858,640			873,140			870,840			19,500			878,140			

Shipbuilding and Conversion, Navy Overview

The budget request for fiscal year 2005 included an authorization of \$9,962.0 million in Shipbuilding and Conversion, Navy for the Department of Defense.

The House bill would authorize \$10,120.0 million.

The Senate amendment would authorize \$10,127.0 million.

The conferees recommend an authorization of \$10,116.8 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005		House		Senate		Conference Agreement		
		Request	Cost	Authorized	Cost	Qty	Cost	Change	Qty	Authorized
Shipbuilding and Conversion, Navy										
1	CARRIER REPLACEMENT PROGRAM	626,084		626,084		626,084			626,084	
2	ADVANCE PROCUREMENT (CY)									
3	SSN-21									
3	COMPLETION OF PY PROGRAMS									
4	VIRGINIA CLASS SUBMARINE	1	2,253,513	1	2,253,513	1	2,253,513	1	2,253,513	
4	LESS: ADVANCE PROCUREMENT (PY)		-672,370	-	-672,370		-672,370		-672,370	
5	ADVANCE PROCUREMENT (CY)		871,864		871,864		871,864		871,864	
4	COMPLETION OF PY PROGRAMS									
6	SSGN CONVERSION	1	783,793	1	783,793	1	783,793	1	783,793	
6	LESS: ADVANCE PROCUREMENT (PY)		-314,567		-314,567		-314,567		-314,567	
7	ADVANCE PROCUREMENT (CY)		48,000		48,000		48,000		48,000	
8	CRUISER CONVERSION									
8	LESS: ADVANCE PROCUREMENT (PY)									
9	ADVANCE PROCUREMENT (CY)		333,061		333,061		333,061		333,061	
10	SSN ERO		90,699		90,699		90,699		90,699	
10	LESS: ADVANCE PROCUREMENT (PY)		-90,699		-90,699		-90,699		-90,699	
11	ADVANCE PROCUREMENT (CY)		19,368		19,368		19,368		19,368	
12	SSBN ERO	1	292,450	1	292,450	1	292,450	1	292,450	
12	LESS: ADVANCE PROCUREMENT (PY)		-30,221		-30,221		-30,221		-30,221	
13	ADVANCE PROCUREMENT (CY)		72,171		72,171		72,171		72,171	
14	DDG-51	3	3,504,970	3	3,504,970	3	3,504,970	3	3,504,970	
14	LESS: ADVANCE PROCUREMENT (PY)		-60,020		-60,020		-60,020		-60,020	
14	COMPLETION OF PY PROGRAMS									
14	DDG-51 In Service Modernization									
									50,000	[50,000]

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005				Senate				Conference Agreement				
		Qty	Cost	Request	House Authorized Cost	Qty	Cost	Authorized Cost	Qty	Cost	Change	Qty	Cost	Authorized Cost
14b	DDG-51 MODERNIZATION PROGRAM													
14c	DDX (AP)													
	Amphibious Ships													
15	LHD-1 AMPHIBIOUS ASSAULT SHIP	1,091,185			1,091,185			1,091,185			1,091,185			1,091,185
15	LESS: ADVANCE PROCUREMENT (PY)	-855,167			-705,167			-855,167			-855,167			-855,167
	Advance Procurement (CY)				[150,000]									
16	LPD-17	1	1,103,620	1	1,103,620	1	1,103,620		1	1,103,620		1	1,103,620	
16	LESS: ADVANCE PROCUREMENT (PY)		-137,061		-137,061		-137,061						-137,061	
17	ADVANCE PROCUREMENT (CY)													
17A	LHA-R - acceleration and incremental funding													
	Auxiliaries, Craft and Prior Yr Program Costs													
18	LCU(X)	1	25,048	1	25,048	1	25,048		1	25,048		1	25,048	
19	OUTFITTING		399,327		299,327		399,327					1	349,327	
	Program decrease				[100,000]									
20	SERVICE CRAFT		32,099		40,099		40,099						36,899	
	Aft Ramp Range Retriever Craft				[8,000]									
21	IACAC SLEP	5	90,490	5	90,490	5	90,490		5	90,490		5	90,490	
21	COMPLETION OF PY PROGRAMS													
22	CANCELLED ACCOUNT ADJUSTMENTS													
23	MINE HUNTER													
24	COMPLETION OF PY SHIPBUILDING PROGRAMS		484,390		484,390		484,390						484,390	
24A	Power unit assembly facility													
	Total - Shipbuilding and Conversion, Navy		9,962,027		10,120,027		10,127,027						10,116,327	

Other Procurement, Navy Overview

The budget request for fiscal year 2005 included an authorization of \$4,834.3 million in Other Procurement, Navy for the Department of Defense.

The House bill would authorize \$4,876.7 million.

The Senate amendment would authorize \$4,905.0 million.

The conferees recommend an authorization of \$4,633.9 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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Title I - Procurement
 (Dollars in Thousands)

Line	Program Title	FY 2005				House				Senate				Conference Agreement			
		Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Cost	Change	Cost	Qty	Cost	Authorized	
	Other Procurement, Navy Ships Support Equipment																
	Ship Propulsion Equipment																
1	LM-2500 GAS TURBINE	9,009		9,009								9,009					
2	ALLISON 50K GAS TURBINE Propellers	22,271		22,271								22,271					
3	SUBMARINE PROPELLERS					7,000											
	CVN Propeller Replacement					[7,000]											
4	Navigation Equipment	16,180		16,180													
	OTHER NAVIGATION EQUIPMENT																
	Underway Replenishment Equipment																
5	UNDERWAY REPLENISHMENT EQUIPMENT Periscopes	1,530		1,530								1,530					
6	SUB PERISCOPE & IMAGING EQUIP Other Shipboard Equipment	62,050		5	62,050		5		62,050								
7	FIREFIGHTING EQUIPMENT	24,731		24,731					24,731								
8	COMMAND AND CONTROL SWITCHBOARD	3,768		3,768					3,768								
9	POLLUTION CONTROL EQUIPMENT	42,612		42,612					42,612								
10	SUBMARINE SUPPORT EQUIPMENT	21,181		21,181					21,181								
	High Performance Brush Program																
11	VIRGINIA CLASS SUPPORT EQUIPMENT	56,051		56,051					56,051								
12	SUBMARINE BATTERIES	26,077		26,077					26,077								
13	STRATEGIC PLATFORM SUPPORT EQUIP	55,166		55,166					55,166								
14	DSSP EQUIPMENT	21,131		21,131					21,131								
15	G-MODERNIZATION	114,139		114,139					114,139			-114,139					
	Cruiser modernization																
16	LCAC	8,365		8,365					8,365								
17	MINESWEEPING EQUIPMENT	8,046		8,046					8,046								
									[114,139]								

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005			House			Senate			Conference Agreement		
		Qty	Cost	Request	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Cost	Authorized
18 ITEMS LESS THAN \$5 MILLION													
18	Machinery Control Surveillance System	148,637			162,737		[4,000]	152,637		6,700		[2,000]	
	Integrated Condition Assessment				[11,800]		[2,300]			[2,400]		[2,300]	
19	Weapons Elevator Automation	4,725			4,725			4,725					
19	CHEMICAL WARFARE DETECTORS	13,940			13,940			13,940					
20	SUBMARINE LIFE SUPPORT SYSTEM												
21	Reactor Plant Equipment	356,372			356,372			356,372					
21	REACTOR POWER UNITS	217,175			217,175			217,175					
22	REACTOR COMPONENTS												
23	Ocean Engineering												
23	DIVING AND SALVAGE EQUIPMENT	8,875			8,875			8,875					
	Small Boats												
24	STANDARD BOATS	18,328			18,328			18,328					
	Training Equipment												
25	OTHER SHIPS TRAINING EQUIPMENT	8,848			8,848			8,848					
	Production Facilities and Equipment												
26	OPERATING FORCES IPE	22,384			22,384			22,384					
	Other Ship Support												
27	NUCLEAR ALTERATIONS	133,999			133,999			133,999					
	Drug Interdiction Support												
28	DRUG INTERDICTION SUPPORT												
	Communications and Electronics Equipment												
	Ship Radars												
29	SPQ-9B RADAR	3,584			9,584			10,584					
	AN/SPQ-9B shipboard radar transmitter upgrade												
30	Evolved Sea Sparrow: SPQ-9B												
30	RADAR SUPPORT												
31	TISS												

Title I - Procurement

(Dollars in Thousands)

Title I - Procurement
(Dollars in Thousands)

Line	Program Title	FY 2005			House			Senate			Conference Agreement			
		Request	Qty	Cost	Authorized	Qty	Cost	Authorized	Qty	Cost	Change	Qty	Cost	Authorized
47	COOPERATIVE ENGAGEMENT CAPABILITY Evolved Sea Sparrow, CEC	57,531			61,731	[4,200]		57,531						57,531
48	GCCS-M EQUIPMENT	63,363		63,363										63,363
49	NAVAL TACTICAL COMMAND SUPPORT SYSTEM	26,208		26,208										26,208
50	ATDL'S	2,386		2,386										2,386
51	MINESWEEPING SYSTEM REPLACEMENT	77,956	3	77,956	3	77,956	3				-26,300	3		51,656
	RMS - buying ahead of need													
	MCM1 class engine replacement - change in acquisition strategy													
52	NAVSTAR GPS RECEIVERS (SPACE)	11,650	-				11,650		11,650					11,650
53	ARMED FORCES RADIO AND TV	4,170		4,170					4,170					4,170
54	STRATEGIC PLATFORM SUPPORT EQUIP	5,265		5,265					5,265					5,265
	Training Equipment													
55	OTHER SPAWAR TRAINING EQUIPMENT	42,913		42,913					42,913					42,913
56	OTHER TRAINING EQUIPMENT													
	Aviation Electronic Equipment													
57	MATCALS	15,614		15,614					15,614					15,614
58	SHIPBOARD AIR TRAFFIC CONTROL	7,695		7,695					7,695					7,695
59	AUTOMATIC CARRIER LANDING SYSTEM	12,515		12,515					12,515					12,515
60	NATIONAL AIR SPACE SYSTEM	16,122		16,122					16,122					13,122
	Digital Airport Surveillance Radar - program delay													
61	AIR STATION SUPPORT EQUIPMENT	3,640		3,640					3,640					3,640
62	MICROWAVE LANDING SYSTEM	7,232		7,232					7,232					7,232
63	FACSFAC	3,712		3,712					3,712					3,712
64	ID SYSTEMS	18,296		18,296					18,296					18,296
65	TAC A/C MISSION PLANNING SYS(TAMPS)	9,098		9,098					9,098					9,098
	Other Shore Electronic Equipment													
66	DEPLOYABLE JOINT COMMAND AND CONT	32,469		32,469					32,469					32,469
67	NAVAL SPACE SURVEILLANCE SYSTEM													

Title I - Procurement

(Dollars in Thousands)

<u>Line</u>	<u>Program Title</u>	<u>FY 2005</u>				<u>House</u>				<u>Senate</u>				<u>Conference Agreement</u>				
		<u>Request</u>	<u>Cost</u>	<u>Qty</u>	<u>Authorized</u>	<u>Cost</u>	<u>Qty</u>	<u>Authorized</u>	<u>Cost</u>	<u>Qty</u>	<u>Cost</u>	<u>Qty</u>	<u>Cost</u>	<u>Change</u>	<u>Qty</u>	<u>Cost</u>	<u>Authorized</u>	<u>Cost</u>
68	DIMHRS																	45,173
69	COMMON IMAGERY GROUND SURFACE SYSTEM	53,173		45,173		[8,000]		53,173		-8,000		[-8,000]						45,173
70	Program decrease																	
70	RADIAC	9,087		9,087		9,087		9,087		9,087		9,087						
71	GPETE	7,010		7,010		7,010		7,010		7,010		7,010						
72	INTEG COMBAT SYSTEM TEST FACILITY	4,562		4,562		4,662		4,662		4,662		4,662						
73	EMI CONTROL INSTRUMENTATION	5,872		5,872		5,872		5,872		5,872		5,872						
74	ITEMS LESS THAN \$5 MILLION	12,058		12,058		12,058		12,058		12,058		12,058						
75	Shipboard Communications	14,077		14,077		14,077		14,077		14,077		14,077						
76	SHIPBOARD TACTICAL COMMUNICATIONS																	
76	Programmable Integrated Communications Terminal	159,718		159,718		159,718		159,718		159,718		159,718						
77	SHIP COMMUNICATIONS AUTOMATION	11,921		11,921		11,921		14,921		14,921		14,921						
77	COMMUNICATIONS ITEMS UNDER \$5M																	
	Navy shipboard communications																	
78	SUBMARINE COMMUNICATION EQUIPMENT																	
78	SUBMARINE BROADCAST SUPPORT	17,802		17,802		17,802		17,802		17,802		17,802						
79	Submarine high data rate	94,533		94,533		94,533		94,533		94,533		94,533						
79	Submarine Communications																	
80	SATELLITE COMMUNICATIONS SYSTEMS	130,564		130,564		130,564		130,564		130,564		130,564						
80	Shore Communications																	
81	JCS COMMUNICATIONS EQUIPMENT	3,023		3,023		3,023		3,023		3,023		3,023						
82	ELECTRICAL POWER SYSTEMS	1,291		1,291		1,291		1,291		1,291		1,291						
83	NSIPS	289		289		289		289		289		289						
84	JEDMICS																	
85	NAVAL SHORE COMMUNICATIONS	57,066		57,066		57,066		57,066		57,066		57,066						
85	Cryptographic Equipment																	
86	INFO SYSTEMS SECURITY PROGRAM (ISSP)	88,418		88,418		88,418		88,418		88,418		88,418						

Title I - Procurement

(Dollars in Thousands)

<u>Line</u>	<u>Program Title</u>	<u>FY 2005</u>				<u>House</u>				<u>Senate</u>				<u>Conference Agreement</u>			
		<u>Qty</u>	<u>Request</u>	<u>Cost</u>	<u>Qty</u>	<u>Authorized</u>	<u>Cost</u>	<u>Qty</u>	<u>Authorized</u>	<u>Cost</u>	<u>Qty</u>	<u>Change</u>	<u>Cost</u>	<u>Qty</u>	<u>Authorized</u>	<u>Cost</u>	
87	Cryptologic Equipment	26,111			26,111			26,111			26,111			26,111			
87	CRYPTOLOGIC COMMUNICATIONS EQUIP																
88	Other Electronic Support																
88	COAST GUARD EQUIPMENT	7,638			7,638			7,638			7,638			7,638			
89	Drug Interdiction Support																
89	OTHER DRUG INTERDICTION SUPPORT																
	Aviation Support Equipment																
90	Sonobuoys	50,081	-			50,081			50,081			50,081			50,081		
90	SONOBOOYS - ALL TYPES																
	Aircraft Support Equipment																
91	WEAPONS RANGE SUPPORT EQUIPMENT																
91	Joint threat emitter	44,643			44,643			47,643			47,643			2,300			
92	EXPEDITIONARY AIRFIELDS	7,527			7,527			7,527			7,527			[2,300]			
93	AIRCRAFT REARMING EQUIPMENT	11,667			11,667			11,667			11,667			7,527			
94	AIRCRAFT LAUNCH & RECOVERY EQUIPMENT	21,275			21,275			21,275			21,275			11,667			
95	METEOROLOGICAL EQUIPMENT	20,134			20,134			20,134			20,134			21,275			
96	OTHER PHOTOGRAPHIC EQUIPMENT	1,438			1,438			1,438			1,438			20,134			
97	AVIATION LIFE SUPPORT	19,040			19,040			27,040			19,040			1,438			
98	Multi Climate Protection Clothing System	73,081			73,081			[8,000]			[8,000]			3,500			
	AIRBORNE MINE COUNTERMEASURES																
99	AN/AQS-20A - buying ahead of need	16,433			16,433			16,433			16,433			3,500			
99	LAMPS MK III SHIPBOARD EQUIPMENT	6,157			6,157			6,157			6,157			5,900			
100	OTHER AVIATION SUPPORT EQUIPMENT																

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	Ordnance Support Equipment	FY 2005				House				Senate				Conference Agreement				
			Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Cost	Change	Cost	Qty	Cost	Authorized		
Ship Gun System Equipment																			
101	GUN FIRE CONTROL EQUIPMENT		7,610		7,610			11,481		11,481							7,610		
102	NAVAL FIRES CONTROL SYSTEM																11,481		
103	GUN FIRE CONTROL EQUIPMENT																		
104	Ship Missile System Equipment		25,453		34,153													25,453	
	NATO SEASPARROW																		
	Evolved Sea Sparrow: RNSSMS																		
105	RAM GMLS		22,968		22,968													22,968	
106	SHIP SELF DEFENSE SYSTEM		42,130		42,130													42,130	
107	AEGIS SUPPORT EQUIPMENT		57,517		76,517													64,317	
	Integrated Bridge System																		
108	SURFACE TOMAHAWK SUPPORT EQUIPMENT		69,732		69,732													69,732	
109	SUBMARINE TOMAHAWK SUPPORT EQUIP		5,469		5,469													5,469	
110	VERTICAL LAUNCH SYSTEMS		9,829		9,829													9,829	
	FIM Support Equipment																		
111	STRATEGIC MISSILE SYSTEMS EQUIP		102,073		102,073													102,073	
	ASW Support Equipment																		
112	SSN COMBAT CONTROL SYSTEMS		147,481		147,481													147,481	
	Provide for six SSN installations																		
113	SUBMARINE ASW SUPPORT EQUIPMENT		4,849		4,849													4,849	
114	SURFACE ASW SUPPORT EQUIPMENT		4,539		4,539													4,539	
115	ASW RANGE SUPPORT EQUIPMENT		7,175		7,175													7,175	
	Other Ordnance Support Equipment																		
116	EXPLOSIVE ORDNANCE DISPOSAL EQUIP		25,058		35,458													25,058	
	EOD Capability Requirement																		
117	ITEMS LESS THAN \$5 MILLION		4,037		4,037													4,037	

Title I - Procurement

(Dollars in Thousands)

Title I - Procurement

(Dollars in Thousands)

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005				House				Senate				Conference Agreement			
		Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Change	Cost	Qty	Authorized	Cost		
	Spares and Repair Parts																
148	SPARES AND REPAIR PARTS	245,476				249,876			247,476			1,400			246,876		
	Protective covers					[4,400]			[2,000]			[1,400]					
999	CLASSIFIED PROGRAMS	18,646				18,646			18,646			18,646					
	Financial information systems								-20,900								
	Total - Other Procurement, Navy	4,834,278				4,876,725			4,904,978			-200,392			4,633,886		

Procurement, Marine Corps Overview

The budget request for fiscal year 2005 included an authorization of \$1,190.1 million in Procurement, Marine Corps for the Department of Defense.

The House bill would authorize \$1,315.1 million.

The Senate amendment would authorize \$1,302.7 million.

The conferees recommend an authorization of \$1,268.5 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005			House			Senate			Conference Agreement		
		Qty	Cost	Request	Qty	Cost	Authorized	Qty	Cost	Authorized	Qty	Cost	Change
Procurement, Marine Corps													
Weapons and Combat Vehicles													
1	Tracked Combat Vehicles	60	58,596	60	104,996	60	81,796	[23,200]	46,400	60	104,996		
1	AAV7A1 PIP				[46,400]				[46,400]				
1	AAV RAMRS upgrade				67,701		67,701		-15,000			52,701	
2	EXPEDITIONARY FIGHTING VEHICLE												
2	Production facility and execution delays												
3	LAV PIP	41,588	-				41,588					41,588	
4	IMPROVED RECOVERY VEHICLE (IRV)												
4	Program increase												
5	MODIFICATION KITS (TRKD VEH)	11,844					11,844					11,844	
6	MIA1 FIREPOWER ENHANCEMENTS	36,873					36,873					36,873	
Artillery and Other Weapons													
7	HIMARS	1	16,340	1	16,340	1	16,340					16,340	
8	155MM LIGHTWEIGHT TOWED HOWITZER	97	175,445	97	175,445	97	175,445					175,445	
9	MOD KITS (ARTILLERY)												
9	3,248											3,248	
10	MARINE ENHANCEMENT PROGRAM												
10	4,024											4,024	
11	WEAPONS AND COMBAT VEHICLES UNDER \$5 M												
11	Rapid fielding initiative (Additional M249 Saws)												
11	4,888											4,888	
Weapons													
12	MODULAR WEAPON SYSTEM												
12	10,051											10,051	
13	Other Support												
13	OPERATIONS OTHER THAN WAR	1,509										1,509	
Guided Missiles and Equipment													
14	Guided Missiles												
14	EADS MOD	10,314										10,314	

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005			Senate			Conference Agreement		
		Qty	Cost	Request	Qty	Cost	Authorized	Qty	Cost	Authorized
15	JAVELIN									
	Additional Javelin anti-tank missiles									
16	PEDESTAL MOUNTED STINGER (PMS) (MYP)	10,004	10,004	[200]	9,800	[9,800]				
17	HIMARS ROCKETS	1,325	1,325		10,004	10,004				
18	PREDATOR (SRAW)				1,325					
	Other Support									
19	MODIFICATION KITS	595	595		595	595				
	Communications and Electronics Equipment									
	Vehicle Mounted Radios and Equipment									
20	SMALL UNIT REMOTE SCOUTING SYSTEM	8,866	8,866		8,866	8,866				
	Command and Control Systems									
21	UNIT OPERATIONS CENTER	35,933	35,933		37,933	37,933				
	USMC Baseline Combat Operations Center				[2,000]	[2,000]				
	Unjustified support costs									
22	GLOBAL COMBAT SUPPORT SYSTEM	21,664	21,664		29,964	29,964				
	Radio frequency identification				[8,300]	[8,300]				
23	MULTIPLE ROLE RADAR SYSTEM	2,283	2,283		2,283	2,283				
24	JOINT TACTICAL RADIO SYSTEMS	26,009	40,209		40,209	40,209				
	High frequency manpack radio AN/PRC-150				[14,200]	[14,200]				
	AN/FPRC 150C									
25	TRANSITION SWITCH MODULE	9,245	9,245		9,245	9,245				
26	COMPLIMENTARY LOW ALTITUDE WEAPON	4,412	4,412		4,412	4,412				
	Repair and Test Equipment									
27	AUTO TEST EQUIP SYS	15,823	15,823		15,823	15,823				
28	GENERAL PURPOSE ELECTRONIC TEST EQUIP.	14,495	14,495		14,495	14,495				
29	CALIBRATION FACILITIES	2,305	2,305		2,305	2,305				
	Radar Equipment (Non-tel)									
30	RADAR SET AN/TPS-59	24,466	24,466		24,466	24,466				

Title I - Procurement
(Dollars in Thousands)

Line	Program Title	FY 2005			House			Senate			Conference Agreement		
		Qty	Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Change	Cost
Intell/Comm Equipment (Non-tel)													
31	TACTICAL REMOTE SENSOR SYSTEM			10,622			10,622			10,622			
32	INTELLIGENCE SUPPORT EQUIPMENT			15,842			15,842			15,842			
33	MOD KITS (INTEL)			9,551			14,051			9,551			
34	ITEMS UNDER \$5 MILLION (INTELL) Repair and Test Equipment (Non-tel)			[4,500]									
35	GENERAL PURPOSE MECHANICAL TMDE	1,790			1,790			1,790			1,790		
36	Other Comm/Elec Equipment (Non-tel)				26,100			49,000			36,000		
	NIGHT VISION EQUIPMENT							[5,800]			[5,800]		
	AN/PVS 14							[4,100]			[4,100]		
	AN/PEQ-17							[13,000]			[13,000]		
	AN/PEQ-2A										[6,300]		
37	Other Support (Non-tel)												
38	ITEMS UNDER \$5 MILLION (COMM & ELEC) COMMON COMPUTER RESOURCES	461			461			461			461		
39	COMMAND POST SYSTEMS	61,989			61,989			61,989			61,989		
40	RADIO SYSTEMS	8,144			8,144			8,144			8,144		
	Lightweight Multiband Satellite Terminal AN/TRC-170	14,476			14,476			27,676			26,476		
41	COMM SWITCHING & CONTROL SYSTEMS							[12,000]					
42	COMM & ELEC INFRASTRUCTURE SUPPORT	26,145			26,145			26,145			26,145		
43	MOD KITS MAGIFF C41	24,778			24,778			24,778			24,778		
	Communication emitter sensing and attacking system	984			984			13,984			3,300		
44	AIR OPERATIONS C2 SYSTEMS							[13,000]			[3,300]		
45	INTELLIGENCE C2 SYSTEMS	10,290			10,290			10,290			10,290		
46	FIRE SUPPORT SYSTEM	1,211			1,211			1,211			1,211		
		10,215			10,215			10,215			10,215		

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005				Senate				Conference Agreement				
		Request	Cost	Qty	Authorized	House	Cost	Qty	Authorized	Senate	Cost	Qty	Authorized	
Support Vehicles														
47	Administrative Vehicles													
47	COMMERCIAL PASSENGER VEHICLES	37	1,096	37	1,096		37	1,096			37	1,096		
48	COMMERCIAL CARGO VEHICLES		11,563		11,563							11,563		
Tactical Vehicles														
49	5/4T TRUCK HMMWV (MYP)	1,830	131,276	1,830	131,276	1,830		131,276				131,276		
50	MEDIUM TACTICAL VEHICLE REPLACEMENT													
51	LOGISTICS VEHICLE SYSTEM REP		3,243		3,243			3,243				3,243		
52	FAMILY OF TACTICAL TRAILERS		942		942			942				942		
Other Support														
53	ITEMS LESS THAN \$5 MILLION		3,598		3,598			3,598				3,598		
Engineer and Other Equipment														
54	ENVIRONMENTAL CONTROL EQUIP ASSORT		2,869		2,869			2,869				2,869		
55	COMBAT BREACHER VEHICLE		4,621		16,621			4,621				8,121		
Program increase														
56	BULK LIQUID EQUIPMENT		11,524		11,524			11,524				11,524		
57	TACTICAL FUEL SYSTEMS		5,219		8,519			5,219				3,300		
	Nitrile Rubber Collapsible Storage Units				[3,300]				[3,300]				8,519	
58	DEMOLITION SUPPORT SYSTEMS		3,422		3,422			3,422				5,500		
	Handheld Standoff Mine Detection System											[5,500]		
59	POWER EQUIPMENT ASSORTED		10,657		10,657			10,657				10,657		
60	SHOP EQ CONTACT MAINTENANCE (SECIM)		4,724		4,724			4,724				4,724		
61	FAMILY OF EOD EQUIPMENT		5,307		5,307			5,307				5,307		
62	BRIDGE BOATS													
Materials Handling Equipment														
63	AMPHIBIOUS RAID EQUIPMENT		15,771		15,771			15,771				15,771		
64	PHYSICAL SECURITY EQUIPMENT		4,979		4,979			4,979				4,979		
65	GARRISON MOBILE ENGR EQUIP		10,927		10,927			10,927				10,927		

Title I - Procurement

(Dollars in Thousands)

Aircraft Procurement, Air Force Overview

The budget request for fiscal year 2005 included an authorization of \$13,163.2 million in Aircraft Procurement, Air Force for the Department of Defense.

The House bill would authorize \$13,649.2 million.

The Senate amendment would authorize \$13,035.7 million.

The conferees recommend an authorization of \$13,228.1 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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Title I - Procurement

(Dollars in Thousands)

Line	Program Title		FY 2005				House				Senate				Conference Agreement			
			Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Cost	Change	Qty	Cost	Authorized	Cost	
	Aircraft Procurement, Air Force																	
	Combat Aircraft																	
Tactical Forces																		
1	F-22 RAPTOR	Production deliveries behind schedule	24	4,128,356	24	4,128,356		22	3,848,156		-30,000	24	4,098,356					
									[280,200]									
	Program efficiencies																	
1	LESS: ADVANCE PROCUREMENT (PY)			-494,587		-494,587												
2	ADVANCE PROCUREMENT (CY)			523,187		523,187												
	Airlift Aircraft																	
	Tactical Airlift																	
3	C-17A (MYP)		14	2,941,532	14	2,941,532		14	2,941,532			14	2,941,532					
3	LESS: ADVANCE PROCUREMENT (PY)			-429,053		-394,053												
	Maintenance Training System								[35,000]									
4	ADVANCE PROCUREMENT (CY)																	
5	C-17 ICS																	
	Other Airlift																	
6	C-130H																	
7	C-130I		11	902,421	11	939,121		11	939,121			11	939,087					
	C-130I (transfer from APAF, line 8)								[36,700]									
7	LESS: ADVANCE PROCUREMENT (PY)			-169,916		-169,916												
8	ADVANCE PROCUREMENT (CY)			186,666		149,966												
	C-130I (transfer to APAF, line 7)								[36,700]									
	Trainer Aircraft																	
9	Operational Trainers																	
	JPATS																	
	Other Aircraft																	
	Helicopters																	
10	V-22 OSPREY		3	320,619	3	320,619		3	320,619			3	320,619					

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005				House				Senate				Conference Agreement			
		Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Change	Cost	Qty	Authorized	Cost	Qty	
10	LESS: ADVANCE PROCUREMENT (PY)		-15,038	11,035		-15,038			-15,038	11,035		-15,038	11,035		-15,038	11,035	
11	ADVANCE PROCUREMENT (CY)																
12	Mission Support Aircraft																
13	CIVIL AIR PATROL A/C	27		2,271			27			2,271			27		2,271		
14	Other Aircraft																
15	TARGET DRONES																
16	C-40 ANG																
17	EC130J																
18	E-8C																
19	LESS: ADVANCE PROCUREMENT (PY)	4		342,360	4		342,360	4		342,360	4		342,360	4	342,360	4	
20	HAEUAV																
21	17 LESS: ADVANCE PROCUREMENT (PY)			-54,592			-54,592			-54,592			-54,592		-54,592		
22	ADVANCE PROCUREMENT (CY)			71,863			71,863			71,863			71,863		71,863		
23	PREDATOR UAV	9		146,609	9		322,609	9		146,609			30,000	9	176,609		
24	Predator A						[132,000]										
	Predator B						[44,000]										
25	SMALL UAVS																
26	20a Tanker Replacement Transfer Fund																
27	Modification of In-service Aircraft																
28	Strategic Aircraft																
29	B-2A			96,002			96,002			96,002			96,002		96,002		
30	B-1B			8,825			104,625			8,825			8,825		8,825		
31	Program increase						[95,800]										
32	B-52						92,216			92,216			92,216		92,216		
33	F-117						13,223			13,223			13,223		13,223		

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(Dollars in Thousands)

Line	Program Title	FY 2005				House				Senate				Conference Agreement			
		Qty	Cost	Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Cost	Change	Qty	Cost	Authorized
Tactical Aircraft																	
25	A-10	53,362				53,362			69,362			7,000				60,362	
26	F-15 IFF modernization	181,602				198,602			217,402			[7,000]	[16,000]	[25,100]		206,702	[4,100]
	F100-PW-220E engines																[14,000]
	ALQ 135																[14,000]
27	F-16 Block 42 engine upgrade	336,289				358,289			383,289			21,500	[17,000]	[21,000]		357,789	[10,500]
	Listening air targeting pod																[17,000]
	Advanced IFF Interrogator																[10,000]
	TARS P3I																[12,000]
	Budget growth/execution																
28	F22 RAPTOR	70,087				70,087			70,087								
29	T/AT-37	78				78			78								
Airlift Aircraft																	
30	C-5 AMP	99,601				120,601			129,601			3,500	[21,000]	[30,000]		103,101	[3,500]
31	C-9																
32	C-17A	89,144				89,144			89,144			1,409				89,144	
33	C-21	1,409				1,409			1,409							1,409	
34	C-32A	187				187			187							187	
35	C-37A	351				351			351							351	
36	C-141																
Trainer Aircraft																	
37	T-6	3,850				3,850			3,850							3,850	
38	T-38 Escape System	153,677				153,677			173,677			17,000	[20,000]	[17,000]		170,677	[17,000]

Title I - Procurement

(Dollars in Thousands)

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005			House			Senate			Conference Agreement		
		Qty	Cost	Request	Qty	Cost	Authorized	Qty	Cost	Authorized	Change	Qty	Cost
58	PREDATOR MODS	31,872			31,872		275	31,872		275		31,872	
59	CV-22 MODS												275
60	Other Modifications												
60	CLASSIFIED PROJECTS	20,880			20,880			20,880				20,880	
	Aircraft Spares and Repair Parts												
61	INITIAL SPARES/REPAIR PARTS	234,103			234,103			234,103				234,103	
	Aircraft Support Equipment and Facilities												
62	Common Support Equip	223,600			223,600			227,600			-16,750		206,850
	Aircraft de-icing							[4,000]			[3,250]		
	Program growth												[-20,000]
	Post Production Support												
63	B-1	11,733			11,733			11,733				11,733	
64	B-2A	6,801			6,801			6,801				6,801	
65	B-2A	30,683			30,683			30,683				30,683	
66	B-52	19,405			19,405			19,405				19,405	
67	C-130	1,229			1,229			1,229				1,229	
68	F-15	13,407			13,407			13,407				13,407	
69	F-16	11,531			11,531			11,531				11,531	
	Industrial Preparedness												
70	INDUSTRIAL RESPONSIVENESS	21,082			21,082			21,082				21,082	
	War Consumables												
71	WAR CONSUMABLES	41,314			41,314			41,314				41,314	
	Other Production Charges												
72	OTHER PRODUCTION CHARGES	309,725			374,725			309,725			-10,000		299,725
	Sniper XR Advanced Targeting Pod							[65,000]					
	STING (R7) pods												
73	DEPOT MODERNIZATION	34,464			34,464			34,464				34,464	

Title I - Procurement

(Dollars in Thousands)

F/A-22 aircraft

The budget request included \$4.128 billion for the procurement of 24 F/A-22 aircraft.

The House bill would authorize the budget request.

The Senate amendment would authorize \$3.848 billion for the procurement of 22 F/A-22 aircraft, a reduction of \$280.2 million. The Senate amendment also included language that would allow the Air Force to procure more than 22 aircraft with the authorized funds if the Secretary of the Air Force certifies that the contractual delivery schedule is being met and that the program is fully funded.

The conferees agree to authorize \$4.098 billion for the procurement of 24 F/A-22 aircraft, a reduction of \$30.0 million. The conferees agree that the certification required in the Senate amendment is not required to procure more than 22 aircraft.

Procurement of Ammunition, Air Force Overview

The budget request for fiscal year 2005 included an authorization of \$1,396.5 million in Procurement of Ammunition, Air Force for the Department of Defense.

The House bill would authorize \$1,396.5 million.

The Senate amendment would authorize \$1,396.5 million.

The conferees recommend an authorization of \$1,319.0 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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Title I - Procurement

(Dollars in Thousands)

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	FY 2005			House			Senate			Conference Agreement		
		Qty	Cost	Request	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Cost	Authorized
15	FMU-139 FUZES	36,507			36,507		36,507	36,507		-8,298	36,507	28,209	
	Weapons												
16	Small Arms	10,949			10,949		10,949	10,949		-8,298	10,949	10,949	
	SMALL ARMS												
	Total - Procurement of Ammunition, Air Force	1,396,457			1,396,457		1,396,457	1,396,457		-77,498	1,318,959	1,318,959	

Missile Procurement, Air Force Overview

The budget request for fiscal year 2005 included an authorization of \$4,718.3 million in Missile Procurement, Air Force for the Department of Defense.

The House bill would authorize \$4,611.3 million.

The Senate amendment would authorize \$4,635.6 million.

The conferees recommend an authorization of \$4,548.5 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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Title I - Procurement

(Dollars in Thousands)

Line	Program Title	Missile Procurement, Air Force	FY 2005		House		Senate		Conference Agreement			
			Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Change	Cost
Ballistic Missiles												
1	LGM-30F/G MINUTEMAN II/III	Miscellaneous equipment cost growth	30,143		30,143		30,143		-6,500 [-6,500]			23,643
2	PEACEKEEPER (M-X)											
Other Missiles												
3	JASSM	Tactical	360	148,161	360	148,161	360	148,161	-8,300 [-8,300]	360		139,861
4	JOINT STANDOFF WEAPON	Operational suitability deficiencies										
5	SIDEWINDER (AIM-9X)		248	52,595	248	52,595	248	52,595		248		52,595
6	AMRAAM		202	107,354	202	107,354	202	107,354		202		107,354
7	PREDATOR HELLCAT MISSILE		235	20,017	235	20,017	235	20,017		235		20,017
8	SMALL DIAMETER BOMB		158	29,257	158	29,257	158	29,257		158		29,257
9	INDUSTRIAL PREPAREDNESS/POL. PREVENTION	Industrial Facilities										
	Modification of In-service Missiles		2,084		2,084		2,084		2,084		2,084	
10	ADVANCED CRUISE MISSILE	Class IV										
11	LGM-30F/G MINUTEMAN II/III		4,094		4,094		4,094		4,094		4,094	
12	MM III MODIFICATIONS											
13	AGM-65D MAVERICK		640,760		640,760		640,760		640,760		640,760	
14	AIR LAUNCH CRUISE MISSILE		222		222		222		222		222	
15	PEACEKEEPER (M-X)		21,154		21,154		21,154		21,154		21,154	
Spares and Repair Parts												
16	ADVANCED CRUISE MISSILE	Other Aircraft	8,020		8,020		8,020		8,020		8,020	

Title I - Procurement

(Dollars in Thousands)

Title I - Procurement

(Dollars in Thousands)

Other Procurement, Air Force Overview

The budget request for fiscal year 2005 included an authorization of \$13,283.6 million in Other Procurement, Air Force for the Department of Defense.

The House bill would authorize \$13,229.3 million.

The Senate amendment would authorize \$13,298.3 million.

The conferees recommend an authorization of \$12,949.3 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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Title I - Procurement

(Dollars in Thousands)

Line	Program Title		FY 2005			House			Senate			Conference Agreement		
			Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Change	Authorized	Cost
Vehicular Equipment														
1	PASSENGER CARRYING Vehicles													
1	SEDAN, 4 DR 4X2													
2	STATION WAGON, 4X2													
3	BUSES													
4	AMBULANCES													
5	LAW ENFORCEMENT VEHICLE													
6	ARMORED VEHICLE													
7	PASSENGER CARRYING VEHICLE													
Cargo and Utility Vehicles														
8	TRUCK, STAKE/PLATFORM													
9	TRUCK, CARGO-UTILITY, 3/4T, 4													
10	TRUCK, CARGO-UTILITY, 3/4T, 4													
11	TRUCK MAINT/UTILITY/DELIVERY													
12	TRUCK CARRYALL													
13	FAMILY MEDIUM TACTICAL VEHICLE													
14	HIGH MOBILITY VEHICLE (HMP)													
15	TRUCK TRACTOR, OVER 5T													
16	CAP VEHICLES													
17	ITEMS LESS THAN \$5,000,000													
Special Purpose Vehicles														
18	TRUCK, TANK, 1200 GAL													
19	TRUCK TANK FUEL, R-11													
20	HMMWV, ARMORED													
21	TRUCK, REFUSE													
22	HMMWV, UP-ARMORED													
23	TRACTOR, A/C TOW, MB-2													

Title I - Procurement (Dollars in Thousands)

(Dollars in Thousands)

Title I - Procurement

(Dollars in Thousands)

Title I - Procurement

(Dollars in Thousands)

Title I - Procurement (Dollars in Thousands)

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Title I - Procurement

(Dollars in Thousands)

Econometrica (1990), 58, 1123-1136

Total Other Procurement Air Force

Procurement, Defense-Wide Overview

The budget request for fiscal year 2005 included an authorization of \$2,883.3 million in Procurement, Defense-wide for the Department of Defense.

The House bill would authorize \$2,950.7 million.

The Senate amendment would authorize \$2,967.4 million.

The conferees recommend an authorization of \$2,846.6 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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Title I - Procurement

(Dollars in Thousands)

Title I - Procurement

(Dollars in Thousands)

Title I - Procurement (Dollars in Thousands)

(DRAFT III - 10/2011)

Title I - Procurement
(Dollars in Thousands)

Line	Program Title	FY 2005			House			Senate			Conference Agreement			
		Request	Cost	Qty	Authorized	Cost	Qty	Authorized	Cost	Qty	Change	Cost	Qty	Authorized
48	SOF ORDNANCE ACQUISITION			12,166			12,166			12,166				
	SLAM										-500			11,666
	Other Procurement Programs										[1,500]			
49	COMMUNICATIONS EQUIPMENT AND ELECTRONIC EQUIPMENT	38,434			38,434			42,434			3,000			41,434
	Automatic equipment ID										[4,000]			[3,000]
50	SOF INTELLIGENCE SYSTEMS	16,946			31,446			24,246			2,600			19,546
	Joint threat warning system				[14,500]			[7,300]			[2,600]			
51	SMALL ARMS AND WEAPONS	8,221			20,221			33,221			19,000			27,221
	AN/PVS 15 Goggles				[12,000]			[5,000]			[2,000]			
	UAV systems										[10,000]			[10,000]
	MK-47 ALGL										[10,000]			[7,000]
52	CLASSIFIED PROGRAMS	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]			
53	CLASSIFIED PROGRAM GDIP	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]			
54	MARITIME EQUIPMENT MODIFICATIONS	1,796			1,796			1,796			1,796			1,796
55	SPECIAL APPLICATIONS FOR CONTINGENCIES	16,184			16,184			16,184			16,184			16,184
56	SOF COMBATANT CRAFT SYSTEMS	7,297			7,297			7,297			7,297			7,297
57	SPARES AND REPAIR PARTS	8,369			8,369			8,369			8,369			8,369
58	SPECIAL PROGRAM	[]	[]	[]	[]	[]	[]	[]	[]	[]	[]			
59	TACTICAL VEHICLES	493			493			493			1,493			1,493
	Militarized lightweight tactical all terrain vehicles (LTATV)										[1,000]			[1,000]
60	SOF MARITIME EQUIPMENT	3,449			3,449			3,449			3,449			3,449
61	DRUG INTERDICTION													
62	MISCELLANEOUS EQUIPMENT	16,830			16,830			16,830			16,830			16,830
63	SOF PLANNING AND REHEARSAL SYSTEM	192			192			192			192			192
64	SOF OPERATIONAL ENHANCEMENTS	233,632			233,632			238,632			1,000			234,632
	"factual computer system										[15,000]			[1,000]
65	PSYOP EQUIPMENT	18,388			18,388			18,388			18,388			18,388

<u>Line</u>	<u>Program Title</u> Chemical/Biological Defense	<u>FY 2005</u>				<u>House</u>				<u>Senate</u>				<u>Conference Agreement</u>			
		<u>Request</u>	<u>Cost</u>	<u>Qty</u>	<u>Authorized</u>	<u>Cost</u>	<u>Qty</u>	<u>Authorized</u>	<u>Cost</u>	<u>Qty</u>	<u>Cost</u>	<u>Qty</u>	<u>Change</u>	<u>Cost</u>	<u>Qty</u>	<u>Cost</u>	
	CBDP																
66	INSTALLATION FORCE PROTECTION	104,935			104,935					104,935				104,935			
67	INDIVIDUAL PROTECTION	131,926			153,426					132,426				132,926			
	M45 Protective Mask				[3,000]					[500]				[500]			
	M40 Protective Mask (Rebuild)				[5,000]												
	M45 Protective Mask (Rebuild)				[500]												
	M40 Protective Mask				[11,000]												
68	Aircrew CBD Respirator	11,284			22,284					17,284				11,284			
	DECONTAMINATION																
	M29/M295 decon kits																
	M12A1 Decontamination Apparatus (Rework)																
	M49 Fixed Installation Filters																
	M100 Sorbent Decontamination Kit																
	M291 Skin Protection Kit																
	M295 Equipment Decontamination Kit																
69	JOINT BIOLOGICAL DEFENSE PROGRAM	101,097			101,097					101,097				101,097			
70	COLLECTIVE PROTECTION	18,394			37,394					29,394				17,750			
	M49/M98 fixed installation filter																
	Chem-bio protective shelter																
	Protective Shelters																

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	<u>FY 2005</u>				<u>Conference Agreement</u>			
		<u>Request</u>	<u>Cost</u>	<u>House</u>	<u>Senate</u>	<u>Change</u>	<u>Cost</u>	<u>Qty</u>	<u>Authorized</u>
71	CONTAMINATION AVOIDANCE	2,70,105	2,70,105	290,105 [20,000]	296,305 [8,000]	296,305 [8,000]	18,700 [10,500] [-10,000] [18,200]	18,700 [10,500] [-10,000] [18,200]	288,805
M22 ACADA									
JCAD Cancellation									
WMD-CST equipment									
999 CLASSIFIED PROGRAMS		545,392	555,692 [10,300]	545,392 [10,300]					
Program Increase									
Financial information systems					-8,900				
Total - Procurement, Defense-Wide		2,883,302	2,950,702	2,967,402		-36,719			2,846,583

Title I - Procurement

(Dollars in Thousands)

Line	Program Title	Conference Agreement					
		FY 2005		House		Senate	
		Request	Qty	Cost	Authorized	Qty	Cost
National Guard & Reserve Equipment							
	Reserve Equipment						
	ARMY RESERVE						
1	MISCELLANEOUS EQUIPMENT						
	NAVY RESERVE						
2	MISCELLANEOUS EQUIPMENT						
	MARINE CORPS RESERVE						
3	MISCELLANEOUS EQUIPMENT						
	AIR FORCE RESERVE						
4	MISCELLANEOUS EQUIPMENT						
	National Guard Equipment						
	ARMY NATIONAL GUARD						
5	MISCELLANEOUS EQUIPMENT						
	AIR NATIONAL GUARD						
6	MISCELLANEOUS EQUIPMENT						
Total - National Guard & Reserve Equipment							
Defense Production Act Purchases							
1	DEFENSE PRODUCTION ACT PURCHASES						
Total - Defense Production Act Purchases							
	TOTAL PROCUREMENT	74,653,301				76,467,066	-470,344
						76,278,717	74,182,957

Items of Special Interest

Joint surveillance and target attack radar system re-engining

The conference report accompanying the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108-136) included a requirement for the Secretary of Defense to submit a report to the congressional defense committees by February 13, 2004, that provides an economic analysis of options for maintaining engines for the E-8C joint surveillance and target attack radar system (JSTARS) aircraft. In the Senate report accompanying S. 2400 (S. Rept. 108-260), the committee noted that although the required report had not yet been received from the Department of Defense, the committee encouraged the Air Force to take into account the recommendations of the report when deciding what to do with the JSTARS fleet.

The congressional defense committees received the required report on July 8, 2004. The report states that there are both economic and operational advantages to acquiring new engines for the JSTARS aircraft, but the letter accompanying the report states that the Department's preferred solution is to maintain the current engines while carefully considering the need for JSTARS re-engining in the fiscal year 2006 budget request. Since the current engines have significant operational shortfalls and since maintaining the current engines would be more costly in terms of total life cycle costs than any option that would acquire new engines, the conferees encourage the Secretary to reevaluate the decision to maintain the current engines in the JSTARS fleet of aircraft.

Halvorsen loaders

The conferees are aware that as a result of the global war on terrorism, the Air Force has been required to significantly expand its expeditionary logistics capability. The conferees note Halvorsen 25K loaders play a significant role in material handling and are currently in use around the world, including Iraq and Afghanistan.

The Commander, U.S. Transportation Command (USTRANSCOM) has a stated mobility requirement for 618 Halvorsen 25K loaders, of which 316 have been acquired between the fiscal years 2000-2004. Given the high operational tempo in air mobility missions and heavy use of the Air Force's mobility and material handling equipment (MHE) fleet, the Congress increased funding for this program in fiscal year 2004 and fiscal year 2005 to help meet the requirements for USTRANSCOM.

The conferees encourage the Air Force to continue its effort to modernize its MHE to include planning and funding for the Halvorsen 25K loader program.

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Legislative Provisions Adopted

Subtitle A-Authorization of Appropriations

Authorization of appropriations (sec. 101-104)

The House bill contained provisions (sec. 101-104) that would authorize the recommended fiscal year 2005 funding levels for procurement Army, Navy, Marine Corps, Air Force, and Defense-wide activities.

The Senate amendment contained similar provisions (secs. 101-104).

The conference agreement includes these provisions.

Subtitle B-Army Programs

Multiyear procurement authority for the lightweight 155-millimeter howitzer program (sec. 111)

The House bill contained a provision (sec. 111) that would permit the Secretary of the Army and the Secretary of the Navy to enter into a joint service, multiyear contract for procurement of the lightweight 155 millimeter howitzer.

The Senate amendment contained a provision (sec. 122) that would authorize the Secretary of the Navy to enter into a multiyear contract for procurement of the lightweight 155 millimeter howitzer.

The Senate recedes.

Light utility helicopter program (sec. 112)

The Senate amendment contained a provision (sec. 111) that would preclude authorization of appropriations for the procurement of light utility helicopters until the Secretary of the Army provides a report to the congressional defense committees. The report will include: (1) the Secretary's certification that all required documentation for the acquisition of light utility helicopters has been completed and approved; (2) an updated Army Aviation modernization plan that contains detailed justification and information which affected the decision to terminate the Comanche helicopter program; and (3) a summary and copy of the results of the analysis of alternatives that the Secretary considered in the determination to procure light utility helicopters, including the analysis of alternatives of using light armed reconnaissance helicopters and UH-60 Black Hawk helicopters instead of light utility helicopters.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Subtitle C-Navy Programs

DDG-51 modernization program (sec. 121)

The House bill contained a provision (sec. 112) that would require the Secretary of the Navy to accelerate the modernization program for the DDG-51 Arleigh Burke-class of destroyers. The provision would also require the Secretary to place emphasis in this program on determining a means by which the crew size on this class of ships could be reduced from approximately 300 to about 200. The provision would also require the Secretary to submit a report to the congressional defense committees by March 31, 2005, on the steps taken in this program.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify the reporting requirement so that the report would include the elements of the modernization program, and specify those elements of the program that are expected to contribute to the goal of reducing the crew size on this class of ships by one-third and explain the basis for those expectations.

Repeal of authority for pilot program for flexible funding of cruiser conversions and overhauls (sec. 122)

The House bill contained a provision (sec. 113) that would repeal section 126 of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108-136, 117 Stat. 1410, U.S.C. 7291 note).

The Senate amendment contained no similar provision.

The Senate recedes.

LHA(R) amphibious assault ship program (sec. 123)

The Senate amendment contained a provision (sec. 121) that would authorize the Secretary of the Navy to procure the first amphibious ship of the LHA(R) class. It would also authorize \$150.0 million of shipbuilding and conversion funds, and authorize the Secretary of the Navy to enter into a contract or contracts for the advance procurement and advance construction of components for this ship with these funds.

The House bill contained no similar provision.

The House recedes.

Subtitle D-Air Force Programs

Prohibition of retirement of KC-135E aircraft (sec. 131)

The Senate amendment contained a provision (sec. 131) that would prohibit the Secretary of the Air Force from retiring any KC-135E aerial refueling aircraft in fiscal year 2005.

The House bill contained no similar provision.

The House recedes.

Prohibition of retirement of F-117 aircraft (sec. 132)

The Senate amendment contained a provision (sec. 132) that would prohibit any F-117 aircraft in use by the Air Force in fiscal year 2004 from being retired in fiscal year 2005.

The House bill contained no similar provision.

The House recedes.

Aerial refueling aircraft acquisition program (sec. 133)

The House bill contained a provision (sec. 116) that would authorize the Secretary of the Air Force to enter into a multiyear procurement contract for 80 tanker aerial refueling aircraft beginning in fiscal year 2005, for a period of up to eight years. The provision would also repeal section subsection (b) of 135 of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108-136). The provision would prohibit this multiyear procurement from being executed under the authority of either section 135 of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108-36) or section 8159 of the Department of Defense Appropriations Act, 2002 (division A of Public Law 107-117).

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would amend section 135 of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108-136) to: 1) provide that no tanker aircraft can be leased under the multiyear aircraft lease pilot program previously established under section 8159 of the Department of Defense Appropriation Act for Fiscal Year 2002; 2) authorize a multiyear procurement of up to 100 aerial refueling aircraft, for a period not to exceed ten program years; 3) prohibit the use of incremental funding for the multiyear contract; and 4) remove reference to leasing of aircraft throughout the provision.

Subtitle E-Other Matters

Development of deployable systems to include consideration of force protection in asymmetric threat environment (sec. 141)

The House Bill contained a provision (sec. 114) that would require that all manned ground systems, warfighter survivability systems, and certain manned airborne systems be assessed annually

for adequacy in survivability and suitability against asymmetrical threats. The provision also requires the secretary of each military department to implement force protection and survivability enhancements for all assessed systems. Finally, the provision requires that the Secretary of Defense ensure that developmental military system designs account for survivability and suitability against asymmetrical threats.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to revise defense regulations, directives, and guidance to account for survivability and suitability against asymmetric threats in developing any manned system and any equipment intended to enhance personnel survivability.

Allocation of equipment authorized by this title to units deployed, or to be deployed to Operation Iraqi Freedom or Operation Enduring Freedom (sec. 142)

The House bill contained a provision (sec. 115) that would require the Secretary of Defense to give priority to those operational units that are deployed to, or preparing to deploy to, Operation Iraqi Freedom or Operation Enduring Freedom, regardless of the status of those units as Active, Guard, or Reserve component units, when allocating equipment acquired using funds authorized to be appropriated by the National Defense Authorization Act for Fiscal Year 2005.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary to ensure that the allocation of equipment acquired using funds authorized to be appropriated by this title to operational units deployed, or scheduled to be deployed, to Operation Iraqi Freedom or Operation Enduring Freedom is made without regard to the status of the units as Active, Guard, or Reserve component.

Report on options for acquisition of precision-guided munitions (sec. 143)

The Senate amendment contained a provision (sec. 141) that would require the Secretary of Defense to provide a report on options for the acquisition of precision-guided weapons at various production rates, to include the cost for these options.

The House bill contained no similar provision.

The House recedes with a clarifying amendment that would require the report to identify the required costs for each precision-guided munition at the various production rates for each year in the future-years defense program.

Legislative Provisions Not Adopted

*Up-armored high mobility multi-purpose wheeled vehicles or
wheeled vehicle ballistic add-on armor protection*

The Senate amendment contained a provision (sec. 112) that would authorize an increase of \$610.0 million in Other Procurement, Army (OPA), for the procurement of additional up-armored high mobility multi-purpose wheeled vehicles at a rate up to 450 per month or wheeled vehicle ballistic add-on armor protection, the amount of which to be determined and reported by the Secretary of the Army.

The House bill contained no similar provision.

The Senate recedes.

The conferees agree to authorize an increase of \$572.0 million in OPA for the procurement of additional up-armored high mobility multi-purpose wheeled vehicles at a rate up to 450 per month, and an increase of \$100.0 million for wheeled vehicle ballistic add-on armor protection.

Command and control vehicles or field artillery ammunition support vehicles

The Senate amendment contained a provision (sec. 113) that would authorize an increase of \$5.0 million in Weapons and Tracked Combat Vehicles, Army, for the procurement of new production command and control vehicles or field artillery ammunition support vehicles.

The House bill contained no similar provision.

The Senate recedes.

Other matters relating to KC-767 tanker aircraft acquisition program

The House bill contained a provision (sec. 117) that would express a Sense of Congress about the criticality of the aerial refueling mission, the need to proceed with a program to replace the current fleet of aerial refueling aircraft, taking advantage of the U.S. commercial aircraft production base, and encouraging the investigation and prosecution of anyone suspected of improper or illegal activities. The provision would also require the Secretary of the Air Force to enter into one or more contracts for the multi-year tanker program no later than March 1, 2005. The provision would also require a review by an outside panel of any proposed contract for the multi-year tanker program, and required a report of this review be provided to the Secretary of the Air Force and the congressional defense committees.

The Senate amendment contained no similar provision.

The House recedes.

Additional amount for Patriot missile procurement

The House bill contained a provision (sec. 118) that would increase funds available for procurement of Patriot missiles by \$90.0 million and offset the increase with reductions to several other accounts.

The Senate amendment contained no similar provision.

The House recedes.

Transfer of certain Army procurement funds

The House bill contained a provision (sec. 119) that would authorize an increase of \$2.0 million for the Aircraft Wireless Intercom System and \$2.0 million for bladefold kits for Apache helicopters, in Aircraft Procurement, Army, offset by a commensurate amount from funds for information systems in Other Procurement, Army.

The Senate amendment contained no similar provision.

The House recedes.

Pilot program for flexible funding of submarine engineered refueling overhaul and conversion

The Senate amendment contained a provision (sec. 123) that would authorize the Secretary of the Navy to carry out a pilot program of flexible funding of engineered refueling overhauls (EROs) and conversions of submarines. The provision would allow the transfer of authorization of appropriations to provide flexibility in the accomplishment of these EROs, and set certain limitations on these transfers.

The House bill contained no similar provision.

The Senate recedes.

Senior Scout mission bed-down initiative

The Senate amendment contained a provision (sec. 133) that would authorize an increase of \$2.0 million in Aircraft Procurement, Air Force for a bed-down initiative to enable the C-130 aircraft of the Idaho Air National Guard to be the permanent carrier of the Senior Scout mission shelters of the 169th Intelligence Squadron of the Utah Air National Guard.

The House bill contained no similar provision.

The Senate recedes.

The conferees agree to authorize an increase of \$1.4 million in Aircraft Procurement, Air Force for the bed-down initiative.

TITLE II-RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

Research, Development, Test and Evaluation Overview

The budget request for fiscal year 2005 included an authorization of \$67,772.3 million in Research and Development for the Department of Defense.

The House bill would authorize \$68,090.4 million.

The Senate amendment would authorize \$68,608.7 million.

The conferees recommend an authorization of \$66,497.8 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

NATIONAL DEFENSE AUTHORIZATION FOR FISCAL YEAR 2005
(Dollars in Thousands)

<u>Title II -- RESEARCH, DEVELOPMENT, TEST & EVALUATION</u>	<u>Authorization Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
Research, Development, Test & Evaluation, Army	9,266,258	9,478,164	9,690,458	40,990	9,307,248
Research, Development, Test & Evaluation, Navy	16,346,391	16,052,841	16,690,391	-145,800	16,200,591
Research, Development, Test & Evaluation, Air Force	21,114,667	21,532,967	21,264,267	-681,734	20,432,933
Research, Development, Test & Evaluation, Defense-wide	20,739,837	20,721,254	20,654,437	-486,986	20,252,851
Operational Test & Evaluation	305,135	305,135	309,135	-1,000	304,135
TOTAL RDT&E	67,772,288	68,090,361	68,608,688	-1,274,530	66,497,758

ARMY

Research, Development, Test and Evaluation, Army Overview

The budget request for fiscal year 2005 included an authorization of \$9,266.3 million in Research, Development, Test and Evaluation, Army for the Department of Defense.

The House bill would authorize \$9,478.2 million.

The Senate amendment would authorize \$9,690.5 million.

The conferees recommend an authorization of \$9,307.2 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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Title II-RDT and E
(Dollars in Thousands)

Account	Line	Program Title	FY2005 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
		RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY					
0601101A	1	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	23,971	23,971	23,971	23,971	23,971
0601102A	2	DEFENSE RESEARCH SCIENCES	131,206	137,206	142,706	9,300	140,506
		Reactive surface technology		[2,000]	[1,800]		
		Flexible substrates electronics		[3,000]			
		Desert terrain prediction		[2,500]			
		Low temperature research		[2,000]			
		Advanced deployable nanosensors		[2,000]			
0601103A	3	UNIVERSITY RESEARCH INITIATIVES	75,133	79,133	77,133	3,500	78,633
		Anti terrorism building and construction research		[2,000]			
		Smart Responsive Nanocomposites	77,658	[4,000]	[2,000]		
0601104A	4	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	80,658	83,658	83,658	6,950	84,608
		Nanocomposite materials research		[2,000]			
		Ferroelectric nanodevice research		[2,500]			
		Information assurance research		[1,500]			
		Centers of Excellence		[2,000]			
0601105A	5	FORCE HEALTH PROTECTION	9,538	[3,000]	[2,250]	9,538	9,538

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Title II-RDT and E
(Dollars in Thousands)

<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2005 Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
0602105A	6	MATERIALS TECHNOLOGY	15,385	23,685	22,885	11,500 [3,000]	26,885 [3,000]
		Advanced materials processing				[2,000]	[2,000]
		Affordable multi-utility materials				[2,500]	[2,500]
		Mine detection and blast mitigation				[2,000]	[2,000]
		Titanium Alloy Powder				[1,000]	[1,000]
		Ultrasonic Consolidation Matrix for Metal Composites				[1,000]	[1,000]
		Balistic Shields Technology	25,629	25,629	27,129	1,500 [1,500]	27,129 [1,500]
0602120A	7	SENSORS AND ELECTRONIC SURVIVABILITY					
		Army small airship program	6,627	6,627	6,627	6,627 [1,000]	6,627 [1,000]
0602122A	8	TRACTOR HIP	41,629	58,629	46,629	8,500 [5,000]	50,129 [5,000]
0602211A	9	AVIATION TECHNOLOGY					
		Silver Fox					
		National Full Scale Aerodynamic Complex	[10,000]				
		Center for Rotorcraft Innovation	[5,000]				
		Xenon Light Source for Non Lethal Deterrence from Small UAVs	[2,000]				
0602270A	10	ELECTRONIC WARFARE TECHNOLOGY	18,034	18,034	18,034	18,034 [1,000]	18,034 [1,000]
0602303A	11	MISSILE TECHNOLOGY	51,993	61,993	57,993	4,200 [2,000]	56,193 [1,400]
		Hypersonic engine research					
		Air defense science and technology					
		Army flight test					
		Unmanned Systems Initiative					
		National Aerospace Initiative					
			[10,000]			[7,000] [-7,700]	

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Title II-RDT and E
(Dollars in Thousands)

Account	Line	Program Title	FY2005 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
0602307A	12	ADVANCED WEAPONS TECHNOLOGY	16,641	46,641	18,641	9,750	26,391
		Rapid target acquisition and tracking		[2,000]		[2,000]	
		Solid state lasers		[10,000]		[4,700]	
		Applied Weapons Technology		[20,000]		[3,050]	
0602308A	13	ADVANCED CONCEPTS AND SIMULATION	15,041	22,041	26,341	7,100	22,141
		Advanced modeling and simulation		[2,500]		[2,000]	
		Photonics research		[2,000]		[2,000]	
		Joint unmanned testing facility		[1,000]		[5,100]	
0602601A	14	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY	69,638	84,638	85,138	14,850	84,488
		Institute for Creative Technologies		[7,000]		[3,000]	
		Advanced electric drives		[3,000]		[1,500]	
		Clean battlefield fuel research		[3,000]		[3,000]	
		Advanced energy and manufacturing technology		[2,000]		[2,200]	
		Advanced high power rechargeable stored energy technology		[2,000]		[2,000]	
		Rapid prototyping		[2,000]		[2,000]	
		Unmanned vehicle control technologies		[2,500]		[1,900]	
		Hydrogen Proton Exchange Membrane		[10,000]			
		Light Utility Vehicle		[5,000]		[2,250]	
0602618A	15	BALISTICS TECHNOLOGY	51,301	51,301	51,301		51,301
0602622A	16	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY	3,476	3,476	3,476		3,476
0602623A	17	JOINT SERVICE SMALL ARMS PROGRAM	5,739	5,739	5,739		5,739

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Title II-RDT and E
(Dollars in Thousands)

<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2005 Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
0602624A	18	WEAPONS AND MUNITIONS TECHNOLOGY	44,666	64,666	52,666	10,650 [3,000]	55,316
		Micro-laminate ceramic armor			[4,000]	[3,000]	
		Active coating technology		[2,000]	[-1,000]		
		Active coating technology (S. Andt 3228)			[2,000]	[1,000]	
		Gun recoil mitigation technologies			[6,000]	[2,250]	
		Strategic Materials Strategic Manufacturing Initiative			[12,000]	[1,400]	
		TEMBER			80,236	52,236 [8,000]	23,700 [5,600]
0602705A	19	ELECTRONICS AND ELECTRONIC DEVICES	41,236	13,500	3,000	3,000	11,500
		Flexible display initiative					
		Software-defined radio research					
		Advanced Battery Technology Initiative			[20,000]	[15,600]	
		JP-8 Soldier Fuel Cell			[2,000]	[1,000]	
		Silicon Based Alternative Substrates for IR Images			[3,500]		
0602709A	20	NIGHT VISION TECHNOLOGY	22,617	27,617	22,617	2,000 [2,000]	24,617
		UAV Miniature Hyperspectral Coherent Imaging			[5,000]		
0602712A	21	COUNTERMINE SYSTEMS	20,547	22,047	24,547	5,000 [4,000]	25,547
		Landmine detection technology					
		Stoichiometric Explosive Detection Systems			[1,500]	[1,000]	
0602716A	22	HUMAN FACTORS ENGINEERING TECHNOLOGY	16,899	22,399	16,899	4,200 [4,200]	21,099
		Manpower and Personnel Integration (MANPRINT)			[5,500]		
0602720A	23	ENVIRONMENTAL QUALITY TECHNOLOGY	17,026	17,026			17,026
0602782A	24	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY	18,604	18,604	3,982	3,982	18,604
0602783A	25	COMPUTER AND SOFTWARE TECHNOLOGY					3,982

Title II-RDT and E (Dollars in Thousands)

<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2005 Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
0602784A	26	MILITARY ENGINEERING TECHNOLOGY Geoscience and atmospheric research	47,152	\$2,152	50,152	2,800 [1,800]	49,952
		Modeling and Analysis of Response of Structures		[5,000]	[3,000]	[1,000]	
0602785A	27	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	15,322	15,322	15,322		15,322
0602786A	28	WARFIGHTER TECHNOLOGY	21,131	31,131	35,631	10,550 [2,000]	31,681
		Smart combat suits			[1,000]		
		Chem/bio protective garment			[2,500]		[1,250]
		Advanced structures and composites			[3,000]		[3,000]
		Supplemental body armor research			[7,000]		[5,300]
0602787A	29	MEDICAL TECHNOLOGY	60,877	95,877	74,077	26,600	87,477
		Fibrin bandage development			[4,500]		[3,500]
		Post traumatic stress disorder research			[2,000]		[1,000]
		Non-defense research reduction			[-5,000]		[-5,000]
		Walter Reed Army Medical Center amputee research			[8,700]		[7,800]
		Expanded anthrax research			[3,000]		[2,250]
		Amputee R&D			[10,000]		[10,000]
		Applied Research Initiative			[25,000]		[7,050]
0603001A	30	WARFIGHTER ADVANCED TECHNOLOGY	68,034	68,034	70,034	-4,000 [2,000]	64,034
		Technology for human systems integration					[1,000]
		Land Warrior/Future Force Warrior consolidation					[-5,000]

Title II-RDT and E (Dollars in Thousands)

<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2005 Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
0603002A	31	MEDICAL ADVANCED TECHNOLOGY	38,404	46,404	47,804	8,300	46,704
		Automatic records tracking		[2,000]	[2,000]		
		Wound decontamination		[3,000]	[1,400]		
		Electronic textiles		[3,000]	[2,000]		
		Digital imaging diagnosis		[1,000]	[1,000]		
		Non-defense research reduction		[5,000]	[5,000]		
		Elastin biomaterials		[4,000]	[4,000]		
		Lentimaniasis		[1,400]	[1,400]		
		Patient Monitor with Defibrillator		[1,500]	[1,500]		
0603003A	32	AVIATION ADVANCED TECHNOLOGY	69,549	71,549	77,549	8,000	77,549
		Unmanned tactical combat vehicle		[8,000]	[6,000]		
		VTDP Compound Helicopter Program		[2,000]	[2,000]		
0603004A	33	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY	67,622	83,622	69,622	2,000	69,622
		Advanced penetrator munitions		[2,000]	[2,000]		
		Silicon Power Light Sandwich Technology		[1,000]	[15,000]		
		ALACV Air Burst Munition					

Title II-RDT and E
(Dollars in Thousands)

<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2005 Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
0603005A	34	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY	203,126	225,126	239,326	31,800	234,926
		Electrochromic materials research			[4,000]	[2,000]	
		Advanced thermal management controls			[3,500]	[2,600]	
		Fastening and joining research			[2,000]	[1,500]	
		Fuel cell ground support equipment demonstration			[6,100]	[4,600]	
		Next generation non-tactical vehicle propulsion			[3,500]	[2,600]	
		Tactical vehicle design tools			[2,000]	[1,500]	
		Armored composite cab development			[4,000]	[2,500]	
		Active protection system			[3,600]	[7,500]	
		Lightweight Structures Initiative			[9,000]	[7,900]	
		UAV Weaponization			[4,000]	[1,000]	
		Advanced Composite Bridge			[9,000]	[5,600]	
0603006A	35	COMMAND, CONTROL, COMMUNICATIONS ADVANCED TECHNOLOGY	9,946	9,946	9,946	9,946	9,946
0603007A	36	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	7,288	7,288	10,288	1,000	8,288
		Coordinated training			[3,000]	[1,000]	
0603008A	37	ELECTRONIC WARFARE ADVANCED TECHNOLOGY	41,760	58,760	48,760	14,000	55,760
		Emergency response broadband system			[4,000]	[3,000]	
		C4 mobile service research			[2,000]	[2,000]	
		Missile intercept test bed			[2,000]	[2,000]	
		Applied Communications and Information Networking			[10,000]		
		GalaxyVue Compression Technology			[2,000]		
		Advanced Antenna Technologies			[11,000]		
0603009A	38	TRACTOR HIKE	8,035	8,035	8,035	8,035	8,035

Title II-RDT and E
(Dollars in Thousands)

Account	Line	Program Title	FY2005 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
0603015A	39	NEXT GENERATION TRAINING & SIMULATION SYSTEMS IC/joint fires and effects training system Automatic virtual environment	18,072	18,072	23,572 [2,500]	5,500 [3,000]	23,572
0603020A	40	TRACTOR ROSE	4,736	4,736	4,736 [2,000]	4,736 [1,400]	4,736
0603103A	41	EXPLOSIVES DEMILITARIZATION TECHNOLOGY Missile recycling	9,706	9,706	13,706 [2,000]	2,900 [1,500]	12,606
0603105A	42	MILITARY HIV RESEARCH	6,641	6,641	6,641 [1,500]	6,641 [3,000]	6,641
0603125A	43	COMBATING TERRORISM, TECHNOLOGY DEVELOPMENT	3,383	3,383	3,383 [1,500]	3,383 [1,000]	3,383
0603238A	44	GLOBAL SURVEILLANCE/AIR DEFENSE/PRECISION STRIKE TECHNOLOGY	10,721	10,721	10,721 [1,500]	10,721 [1,000]	10,721
0603270A	45	ELECTRONIC WARFARE TECHNOLOGY	9,382	9,382	9,382 [1,500]	9,382 [1,000]	9,382
0603313A	46	MISSILE AND ROCKET ADVANCED TECHNOLOGY Close-in Active Protection System (CIAPS)	92,800	92,800	100,300 [7,500]	5,300 [5,300]	98,100
0603322A	47	TRACTOR CAGE	13,312	13,312	13,312 [5,300]	13,312 [5,300]	13,312
0603606A	48	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY	25,577	25,577	25,577 [1,500]	25,577 [1,000]	25,577
0603607A	49	JOINT SERVICE SMALL ARMS PROGRAM	5,968	5,968	5,968 [1,500]	5,968 [1,000]	5,968
0603654A	50	LINE-OF-SIGHT TECHNOLOGY DEMONSTRATION	50,071	61,571	54,871 [4,800]	10,400 [2,400]	60,471
0603710A	51	NIGHT VISION ADVANCED TECHNOLOGY Cost Effective Targeting Systems - demo/integrate into Stryker Night Vision Fusion Technology					
0603728A	52	Integrated Autonomous Situation Awareness Sensor ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS	14,666	14,666	14,666 [2,000]	14,666 [2,000]	14,666

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Title II-RDT and E
(Dollars in Thousands)

<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2005 Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
0603734A	53	MILITARY ENGINEERING ADVANCED TECHNOLOGY	3,865	3,865	10,065	6,200	10,065
		Advanced mobile microgrid		[6,200]			
0603772A	54	ADVANCED TACTICAL COMPUTER SCIENCE AND SENSOR TECHNOLOGY	31,951	38,951	31,951	1,000	32,951
		Digital Army radar technology development	[7,000]		[1,000]		
0603305A	55	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION(NON SPACE)	53,509	63,509	84,509	16,100	69,609
		C4ISR visualization			[3,000]	[1,000]	
		Integrated composite missile structure		[7,000]	[2,500]		
		Interactive modeling and simulation			[3,000]	[2,100]	
		Remote sensor monitoring technology research program			[3,000]	[2,500]	
		Mobile tactical high energy laser			[15,000]	[8,000]	
		Joint and Combined Communications Test Tool	[10,000]				
0603308A	56	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION (SPACE)	4,871	4,871	4,871	4,871	
0603327A	57	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	91,713	105,713	103,713	15,500	107,213
		Adaptive integrated fire control demo program			[2,000]		
		E-STRIKE			[10,000]	[5,000]	
		Space and Missile Defense Architecture Analysis Program		[7,000]	[5,200]		
		Geospatial Information Decision Support		[7,000]	[5,300]		
0603619A	58	LANDMINE WARFARE AND BARRIER - ADV DEV	11,634	11,634	11,634	11,634	
0603627A	59	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV	6,249	6,249	6,249	6,249	
0603639A	60	TANK AND MEDIUM CALIBER AMMUNITION	39,697	39,697	39,697	-15,000	24,697
		Mid-range munition (MRM)				[15,000]	
0603645A	61	ARMORED SYSTEM MODERNIZATION - ADV DEV	51,892	\$1,892	51,892		
0603653A	62	ADVANCED TANK ARMAMENT SYSTEM (ATAS)					51,892

Title II-RDT and E
 (Dollars in Thousands)

Account	Line	Program Title	FY2005 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
0603747A	63	SOLDIER SUPPORT AND SURVIVABILITY	13,810	13,810	13,810		13,810
0603766A	64	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM - ADV DEV	15,441	15,441	15,441		15,441
0603774A	65	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	14,947	14,947	14,947		14,047
0603779A	66	ENVIRONMENTAL QUALITY TECHNOLOGY	9,356	11,856	13,956	3,450	12,806
		Manganese Health Research Project			[4,600]	[2,250]	
		Aberdeen Proving Ground Asbestos Conversion Facility			[2,500]	[1,200]	
0603782A	67	WARFIGHTER INFORMATION NETWORK-TACTICAL	99,645	99,645	99,645		99,645
0603790A	68	NATO RESEARCH AND DEVELOPMENT	4,801	4,801	4,801		4,801
0603801A	69	AVIATION - ADV DEV	12,113	12,113	12,113		12,113
0603802A	70	WEAPONS AND MUNITIONS - ADV DEV	2,382	2,382	4,382		2,382
		120MM mortar family advance development			[2,000]		
0603804A	71	LOGISTICS AND ENGINEER EQUIPMENT - ADV DEV	10,485	10,485	16,485	4,500	14,985
		Mobile parts hospital - continue development			[6,000]	[4,500]	
0603805A	72	COMBAT SERVICE SUPPORT CONTROL SYSTEM EVALUATION AND ANAL	6,366	6,366	6,366		6,366
0603807A	73	MEDICAL SYSTEMS - ADV DEV	10,258	10,258	10,258		10,258
0603830A	74	INTEGRATED BROADCAST SERVICE (IMIP/DISTP)	4,356	4,356	4,356		4,356
0603834A	75	ARTILLERY SYSTEMS			*		
0603836A	76	SCAMP BLOCK II	10,221	10,221	10,221		10,221
0603869A	77	MEDIUM EXTENDED AIR DEFENSE SYSTEM (MEADS) CONCEPTS	264,527	264,527	328,705		264,527
		PAC-3/MEADS (transfer from 64865A, line 126)			[64,178]		
0604201A	78	AIRCRAFT AVIONICS	68,857	68,857	68,857		68,857
0604220A	79	ARMED, DEPLOYABLE OH-58D	20,000	20,000	-5,000		15,000
		Lack of justification			[-5,000]		

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Title II-RDT and E
(Dollars in Thousands)

<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2005 Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
0604223A	80	COMANCHE					
0604270A	81	ELECTRONIC WARFARE DEVELOPMENT	16,879	16,879			16,879
0604280A	82	JOINT TACTICAL RADIO	121,400	121,400			121,400
0604321A	83	ALL SOURCE ANALYSIS SYSTEM	5,346	5,346			5,346
0604328A	84	TRACTOR CAGE	14,149	14,149			14,149
0604329A	85	COMMON MISSILE	152,381	152,381			117,381
		Funding ahead of need					
0604601A	86	INFANTRY SUPPORT WEAPONS	28,187	30,687			32,187
		XM312 .50 caliber advanced crew served weapon					
		XM307 25mm advanced crew served weapon					
		Low Cost Course Correction M135 AT4					
0604604A	87	MEDIUM TACTICAL VEHICLES	2,834	12,554			12,554
		Medium Tactical Vehicle Development					
0604609A	88	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-SDD	3,798	[9,700]	[3,000]	[9,700]	3,798
0604611A	89	JAVELIN	944	944			944
0604622A	90	FAMILY OF HEAVY TACTICAL VEHICLES	2,479	2,479			2,479
		Tactical wheeled vehicle development					
0604633A	91	AIR TRAFFIC CONTROL	2,088	2,088			2,088
0604641A	92	TACTICAL UNMANNED GROUND VEHICLE (TUGV)					
0604642A	93	LIGHT TACTICAL WHEELED VEHICLES					
0604645A	94	HMMWV block improvement program - initiate development	2,700,455	1,737,401	[15,000]	[10,000]	-270,070
		ARMORED SYSTEMS MODERNIZATION (ASM)-SDD					2,430,385
		Program decrease					[270,070]

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<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2005 Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
646XAA	94a	Reconnaissance and Sensors					
646XBA	94b	Unmanned Ground Vehicles					
646XCA	94c	MGVs					
646XDA	94d	UGS					
646XEA	94e	NLOS-LS					
0604647A	95	NON-LINE OF SIGHT CANNON Program increase	497,643	843,500	497,643	497,643	
0604649A	96	ENGINEER MOBILITY EQUIPMENT DEVELOPMENT					
0604710A	97	NIGHT VISION SYSTEMS - SDD	24,693	24,693	24,693	24,693	
0604713A	98	COMBAT FEEDING, CLOTHING, AND EQUIPMENT Integrated battle space combat situational awareness system	115,093	119,293	117,593	-12,200	102,893
		Mounted Warrior Nomad C2 HUD	[4,200]	[2,800]	[2,800]		
		Land Warrior/Future Force Warrior consolidation					
0604715A	99	NON-SYSTEM TRAINING DEVICES - SDD	51,694	51,694	51,694	51,694	
0604716A	100	TERAIN INFORMATION - SDD	3,199	3,199	3,199	3,199	
0604726A	101	INTEGRATED METEOROLOGICAL SUPPORT SYSTEM	2,485	2,485	2,485	2,485	
0604738A	102	JSIMS CORE PROGRAM					
0604741A	103	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE - SDD	27,376	27,376	27,376	27,376	
0604742A	104	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	42,869	42,869	42,869	42,869	
0604746A	105	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	4,713	4,713	7,213	1,800	6,513
0604760A	106	Accelerate diagnostic and expert system development					
0604766A	107	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS) - SDD TACTICAL SURVEILLANCE SYSTEMS - SDD	26,985	26,985	[1,800]	26,985	
			21,821	21,821	21,821	21,821	

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<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2005 Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
0604768A	108	ARMY TACTICAL MISSILE SYSTEM (ATACMS) Viper Strike	21	21	5,021 [5,000]	1,800 [1,800]	1,821
0604770A	109	JOINT SURVEILLANCE/TARGET ATTACK RADAR SYSTEM (JSTARS)	2,048	2,048	2,048 [23,849]	-4,740 [-4,740]	2,048 19,109
0604778A	110	POSITIONING SYSTEMS DEVELOPMENT (SPACE)	23,849	23,849	23,849 [23,849]	-4,740 [-4,740]	2,048 19,109
0604780A	111	COMBINED ARMS TACTICAL TRAINER (CATT) CORE Comanche IOT&E funding	10,726	10,726	10,726 [10,726]	2,378 [2,378]	10,726 2,378
0604783A	112	JOINT NETWORK MANAGEMENT SYSTEM	125,885	125,885	142,885 [125,885]	24,000 [24,000]	149,885 149,885
0604801A	113	AVIATION - SDD	89,151 [89,151]	89,151 [89,151]	89,151 [89,151]	89,151 [89,151]	89,151 89,151
0604802A	114	WEAPONS AND MUNITIONS - SDD	219,790 [219,790]	219,790 [219,790]	219,790 [219,790]	219,790 [219,790]	219,790 219,790
		AIRKWS - semi-active laser seeker production transition initiative Precision guided mortar munitions - accelerate Block I Common Remotely Operated Weapon System	11,727 [11,727]	14,227 [14,227]	16,227 [16,227]	6,300 [6,300]	18,027 18,027
		LSTAT	133,297 [133,297]	138,297 [138,297]	133,297 [133,297]	2,500 [2,500]	2,500 135,797
0604808A	118	Leishmaniasis topical treatment (S. Amdt 3329)	51,045 [51,045]	51,045 [51,045]	51,045 [51,045]	4,500 [4,500]	51,045 51,045
0604814A	119	LANDMINE WARFARE/BARRIER - SDD ARTILLERY MUNITIONS	6,994 [6,994]	6,994 [6,994]	6,994 [6,994]	6,994 [6,994]	6,994 6,994
		BONUS Compliance Program	68,110 [68,110]	68,110 [68,110]	68,110 [68,110]	68,110 [68,110]	68,110 68,110
0604817A	120	COMBAT IDENTIFICATION	22,628 [22,628]	22,628 [22,628]	22,628 [22,628]	22,628 [22,628]	22,628 22,628
0604818A	121	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE					
0604819A	122	LOSAT					

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<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2005 Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
0604820A	123	RADAR DEVELOPMENT	6,107	6,107	6,107		6,107
0604823A	124	FIREFINDER	18,516	18,516	18,516		18,516
0604834A	125	ARTILLERY SYSTEMS	9,550	9,550	9,550		9,550
0604865A	126	PATRIOT PAC-3 THEATER MISSILE DEFENSE ACQUISITION	64,178	64,178	64,178		64,178
0605013A	127	PAC-3 (transfer to 63869A, line 77)				[-64,178]	
0604256A	128	INFORMATION TECHNOLOGY DEVELOPMENT	95,261	95,261	95,261		95,261
0604258A	129	THREAT SIMULATOR DEVELOPMENT	22,101	22,101	22,101		22,101
0604759A	130	TARGET SYSTEMS DEVELOPMENT	11,017	11,017	11,017		11,017
0605103A	131	MAJOR T&E INVESTMENT	57,987	57,987	57,987		57,987
0605301A	132	RAND ARROYO CENTER	20,012	20,012	20,012		20,012
0605326A	133	ARMY KWAJALEIN ATOLL	143,921	143,921	143,921		143,921
0605326A	134	CONCEPTS EXPERIMENTATION PROGRAM	22,727	22,727	22,727		22,727
0605302A	135	SMALL BUSINESS INNOVATIVE RESEARCH					
0605601A	136	ARMY TEST RANGES AND FACILITIES	181,114	181,114	181,114		181,114
0605602A	137	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	52,433	52,433	52,433		52,433
0605604A	138	SURVIVABILITY/LETHALITY ANALYSIS	44,648	44,648	44,648		44,648
0605605A	139	DOD HIGH ENERGY LASER TEST FACILITY	15,725	15,725	15,725		15,725
0605606A	140	AIRCRAFT CERTIFICATION	3,485	3,485	3,485		3,485
0605702A	141	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES	8,711	8,711	8,711		8,711
0605706A	142	MATERIEL SYSTEMS ANALYSIS	18,000	18,000	18,000		18,000
0605709A	143	EXPLOITATION OF FOREIGN ITEMS	4,740	4,740	4,740		4,740
0605712A	144	SUPPORT OF OPERATIONAL TESTING	71,239	71,239	71,239		71,239
0605716A		ARMY EVALUATION CENTER	62,209	62,209	62,209		62,209

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(Dollars in Thousands)

Account	Line	Program Title	FY2005		Senate		Conference		Conference	
			Request	Authorized	House	Authorized	Change	Authorized	Change	Authorized
0605718A	145	SIMULATION & MODELING FOR ACQ, RQTS, & TNG (SMART)	1,935	1,935	59,368	59,368	1,935	1,935	1,935	1,935
0605801A	146	PROGRAMWIDE ACTIVITIES	27,713	27,713	27,713	27,713	30,713	30,713	59,368	59,368
0605803A	147	TECHNICAL INFORMATION ACTIVITIES	14,611	17,111	15,111	15,111	[3,000]	[3,000]	1,500	29,213
		Supercomputing research							[1,500]	
0605805A	148	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	14,611	17,111	15,111	15,111	[500]	[500]	3,000	17,611
		Battle effects simulator							[500]	
		MEMS/IMU Technology							[2,500]	
0605857A	149	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	4,527	4,527	11,575	11,575	4,527	4,527	4,527	4,527
0605898A	150	MANAGEMENT HQ - R&D							11,575	11,575
0909999A	151	FINANCING FOR CANCELLED ACCOUNT ADJUSTMENTS								
0102419A	152	JOINT LAND ATTACK CRUISE MISSILES DEFENSE (JLENS)	81,514	84,514	81,514	81,514				81,514
		Aerostat Joint Program Office								
0203610A	153	DOMESTIC PREPAREDNESS AGAINST WMD	17,994	17,994	15,952	20,952	17,994	17,994	17,994	17,994
0203726A	154	ADV FIELD ARTILLERY TACTICAL DATA SYSTEM								
0203735A	155	COMBAT VEHICLE IMPROVEMENT PROGRAMS								
		Combat Vehicle Electronics								
0203740A	156	MANEUVER CONTROL SYSTEM	24,753	24,753	242,853	242,853	24,753	24,753	24,753	24,753
0203744A	157	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS								
		Contract award delay								
0203752A	158	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	2,427	5,927	242,853	242,853	-20,000	-20,000	222,853	222,853
		Full Authority Control (FADEC) for armed reconnaissance Helicopters								
		Electronic Flight Planning								
0203758A	159	DIGITIZATION	24,506	24,506	24,506	24,506	[5,000]	[5,000]	24,506	24,506

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0203759A	160	FORCE XXI BATTLE COMMAND, BRIGADE AND BELOW (FBBCB2)	23,510	23,510	23,510		23,510
0203801A	161	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	31,690	31,690	36,690	2,000	33,690
		Advanced composite radome			[5,000]	[2,000]	
0203802A	162	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS	4,863	4,863	4,863		4,863
0203806A	163	TRACTOR RUT	3,321	3,321	3,321		3,321
0203808A	164	TRACTOR CARD	9,023	9,023	9,023		9,023
0208010A	165	JOINT TACTICAL COMMUNICATIONS PROGRAM (TRI-TAC)	18,177	18,177	18,177		18,177
0208053A	166	JOINT TACTICAL GROUND SYSTEM	9,967	9,967	9,967		9,967
0301359A	167	SPECIAL ARMY PROGRAM	5,213	5,213	5,213		5,213
0303028A	168	SECURITY AND INTELLIGENCE ACTIVITIES	4,000	4,000	16,000	11,000	11,000
		Document exploitation			[4,000]	[3,000]	
		Information Dominance Center			[4,000]	[8,000]	
		Pathfinder Data Analysis Tool			[4,000]	[4,000]	
0303140A	169	INFORMATION SYSTEMS SECURITY PROGRAM	24,725	24,725	24,725		24,725
0303141A	170	GLOBAL COMBAT SUPPORT SYSTEM	94,215	94,215	94,215		94,215
0303142A	171	SATCOM GROUND ENVIRONMENT (SPACE)	51,959	51,959	51,959		51,959
0303150A	172	WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM	19,204	19,204	19,204		19,204
0305114A	173	TRAFFIC CONTROL, APPROACH AND LANDING SYSTEM					
0305204A	174	TACTICAL UNMANNED AERIAL VEHICLES (UAV)	45,627	49,127	45,627		45,627
		Shadow UAV Improvements			[3,500]		
0305206A	175	AIRBORNE RECONNAISSANCE SYSTEMS	5,128	8,628	11,328	3,100	8,228
		Hyperspectral Longwave Imager for the Tactical Environment (HYLITE)			[3,500]	[6,200]	
0305208A	176	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	43,254	43,254	43,254		43,254

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<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2005</u>		<u>House</u>		<u>Senate</u>		<u>Conference</u>	
			<u>Request</u>	<u>Authorized</u>	<u>Authorized</u>	<u>Change</u>	<u>Authorized</u>	<u>Change</u>	<u>Authorized</u>	<u>Change</u>
0603778A	177	MLRS PRODUCT IMPROVEMENT PROGRAM	97,422	97,422	97,422	997	97,422	997	97,422	997
0702239A	178	AVIONICS COMPONENT IMPROVEMENT PROGRAM Program decrease	997	[997]	70,236	-797	75,736	8,200	75,436	8,200
0708045A	179	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES Packaging and interconnection technology Virtual parts program Lean manufacturing & system demonstrations	67,236	70,236	[3,000]	[2,500]	[3,000]	[2,300]	[1,900]	[1,500]
1001018A	180	LEAN Munitions NATO JOINT STARS	595	595	48,000	5,000	48,000	5,000	48,000	5,000
XXXXXX	180A	Army Aviation Test Bed								
	180B	Defense Language Institute Foreign Learning Center								
		Financial information systems								
		Total, RDT&E Army	9,266,258	9,478,164	9,690,458	-18,200	40,990	40,990	9,307,248	9,307,248

Advanced battery technology initiative

The budget request included \$41.2 million in PE 62705A for applied research in electronics and electronic devices.

The House bill would authorize an increase of \$20.0 million in PE 62705A for an advanced battery technology initiative.

The Senate amendment contained no similar authorization.

The conferees agree to authorize an increase of \$15.6 million in PE 62705A for an advanced battery technology initiative, which would fund programs selected on the basis of technical merit, cost effectiveness, and potential to meet service requirements, including the following areas: alkaline cylindrical cells; cylindrical zinc air batteries; high capacity nickel/zinc rechargeable cells; lithium battery technologies; lithium carbon monoflouride cells; and proton exchange membrane fuel cells.

The conferees note that in a recent study, "Meeting the Energy Needs of Future Warriors," the National Research Council highlighted the importance of Army research on soldier power technologies, and indicated that "energy to power soldier systems, ... must now be viewed on par with the other critical logistics commodities - ammunition, fuel, food, and water."

Medical technology applied research initiative

The budget request included \$60.9 million in PE 62787A for medical technology.

The House bill would authorize an increase of \$25.0 million in PE 62787A for a medical technology applied research initiative.

The Senate amendment contained no similar authorization.

The conferees agree to authorize an increase of \$7.05 million for an applied initiative in medical technologies of specific military application and value, including: dermal phase meter; gene delivery technology; fibrin bandages from non-mammalian sources; nano-fabricated bioartificial kidney; and rapid bio-pathogen detection technology. Projects are to be selected on the basis of technical merit, cost effectiveness, and potential to meet service requirements.

Lightweight Structures Initiative

The budget request included \$203.1 million in PE 63005A for combat vehicle and automotive technology.

The House bill would authorize an increase of \$9.0 million in PE 63005A for the Lightweight Structures Initiative.

The Senate amendment would authorize an increase of \$7.5 million for components of the Lightweight Structures Initiative including: \$3.0 million for advanced titanium armor systems; \$1.5 million for Future Combat System common chassis design; and \$3.0

million for non-line of sight cannon structure design.

The conferees agree to authorize an increase of \$7.9 million in PE 63005A for the Lightweight Structures Initiative.

Mobile tactical high energy laser

The budget request included \$53.5 million in PE 63305A for Army missile defense systems integration, of which \$39.0 million was for the mobile tactical high energy laser (MTHEL).

The House bill would authorize the budget request.

The Senate amendment would authorize an increase of \$15.0 million for MTHEL.

The conferees agree to authorize an increase of \$8.0 million in PE 63305A for MTHEL.

The conferees are aware of successful tests of the Army's heat capacity solid state laser and believe that laser weapons could play an important role in future missile, air, and counter-mortar defenses. The conferees direct that the increase be used to accelerate development of a 100 kilowatt solid state laser and to initiate a system demonstration using a solid state laser.

The conferees note that the Joint Technology Office (JTO) plays a key role in maturing a range of laser technologies. The JTO was established pursuant to subtitle E, title II, of the National Defense Authorization Act for Fiscal Year 2001 (Public Law 106-398) with the intent of establishing an office that would accelerate progress in high energy laser technology and provide incentives to services to invest in such technologies. The conferees are concerned that the JTO may not be effective in accomplishing the goals defined in subtitle E or transitioning laser technology to the services. The conferees direct the Secretary of Defense to provide a report to the congressional defense committees by January 15, 2005 on the effectiveness of the JTO in achieving the objectives of subtitle E, the impact of shifting funding responsibility for JTO efforts to the Air Force, and the effectiveness of the JTO structure in transitioning laser technologies to the warfighter. The conferees further direct the Comptroller General to review this assessment and to report the results of this review to congressional defense committees no later March 15, 2005.

NAVY

Research, Development, Test and Evaluation, Navy Overview

The budget request for fiscal year 2005 included an authorization of \$16,346.4 million in Research, Development, Test and Evaluation, Navy for the Department of Defense.

The House bill would authorize \$16,052.8 million.

The Senate amendment would authorize \$16,690.4 million.

The conferees recommend an authorization of \$16,200.6

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

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0601103N	1	RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY UNIVERSITY RESEARCH INITIATIVES	83,508	83,508	100,508	6,600	90,108
		Nanoscience research			[3,000]	[1,500]	
		Nanoparticle materials research			[1,500]	[1,500]	
		Remote sensing research			[1,000]	[1,000]	
		Corrosion research			[5,000]	[5,000]	
		Neural engineering research			[1,500]	[1,000]	
		Multifunctional materials for naval structures			[5,000]	[1,600]	
0601152N	2	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	17,664	17,664	20,164	1,900	19,564
		Navy S&T outreach			[2,500]	[1,900]	
0601153N	3	DEFENSE RESEARCH SCIENCES	375,812	378,812	375,812		375,812
		Nanoscience and Nanomaterials			[3,000]		
0602114N	4	POWER PROJECTION APPLIED RESEARCH	98,831	106,831	103,831	10,200	109,031
		Silver Fox			[5,000]	[1,200]	
		Integrated Personnel Protection System			[2,000]	[2,000]	
		Interrogator for High-Speed Retro-Reflective Communications			[2,000]	[2,000]	
		Terahertz for Photonics for Imaging					

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0602123N	5	FORCE PROTECTION APPLIED RESEARCH	96,269	103,269	111,269	15,400	111,669
		Hyperspectral data fusion			[4,000]	[3,400]	
		Unmanned systems battery development			[3,000]	[2,000]	
		Structural reliability composite research			[1,000]	[1,000]	
		Fire retardant resins			[1,000]		
		Theater support vessel hull material development			[4,000]	[2,000]	
		Polymer aircraft components			[2,000]	[2,000]	
		Hybrid POSS Composites			[2,000]	[2,000]	
		Center for Critical Infrastructure Protection			[5,000]	[5,000]	
0602131M	6	MARINE CORPS LANDING FORCE TECHNOLOGY	35,398	35,398	35,398	[5,000]	35,398
0602232N	7	COMMUNICATIONS, COMMAND AND CONTROL, INTELL, SURVEILLANCE					
0602233N	8	HUMAN SYSTEMS TECHNOLOGY			2,000		1,500
		Human Systems Integration			[2,000]		[1,500]
0602234N	9	MATERIALS, ELECTRONICS AND COMPUTER TECHNOLOGY					
0602235N	10	COMMON PICTURE APPLIED RESEARCH	60,134	66,134	60,134	6,000	66,134
		Theater Undersea Warfare Initiative			[6,000]		

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0602236N	11	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	63,726	80,926	86,726	24,200	87,926
		Aerospace alloy research			[2,000]	[1,400]	
		Microsystem fuzes, safe & arm devices			[2,000]	[1,000]	
		Infectious disease analysis			[2,500]	[2,100]	
		Biowarfare detector			[2,500]	[2,100]	
		Sensornet			[12,000]	[12,000]	
		Titanium materials research			[2,000]	[1,600]	
		Formable Aligned Carbon Thermosets			[2,000]	[1,500]	
		Marine Mammal Research Program			[8,000]	[1,100]	
		Composite Ceramic UUV			[5,000]	[1,400]	
		Composite Ceramic Materials for Aerospace Fabrication			66,151	52,651	
0602271N	12	RF SYSTEMS APPLIED RESEARCH	49,151	[4,000]	[1,500]	9,300	58,451
		Wide bandgap semiconductor research			[2,000]	[2,700]	
		High brightness electronics				[1,500]	
		Vacuum Technology			[10,000]	[3,100]	
		Gallium Nitride RF Power Technology			[3,000]	[2,000]	
0602435N	13	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	48,482	48,482	50,482	1,000	49,482
		Integrated littoral sensor network			[2,000]	[1,000]	
0602747N	14	UNDERSEA WARFARE APPLIED RESEARCH	64,060	65,060	65,060	1,000	64,060
		Low Acoustic Signature Motor/Propulsor			[1,000]		
0602782N	15	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	48,016	48,016	48,016		48,016

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0603114N	16	POWER PROJECTION ADVANCED TECHNOLOGY Free electron laser Unjustified growth	92,359	117,359	96,359 [9,000]	18,300 [-5,000] [2,200]	110,659
		DP-2 Thrust Vectoring System	[10,000]			[7,500]	
		Laser Radar Data Exploitation	[3,000]			[2,100]	
		Low-Cost Terminal Imaging Seeker	[5,000]			[4,500]	
		Low Power Mega Performance UAV Processing Engine	[7,000]			[2,000]	
0603123N	17	FORCE PROTECTION ADVANCED TECHNOLOGY High temp semiconductor (HTS) synchronous Navy propulsion motor Development of wide bandgap semiconductor materials Wave Power Demonstration Project Composite twisted rudder Tactical aircraft directed IR countermeasures Steel sandwich panel qualification Littoral Support Craft Experimental	82,130	141,630 [8,000]	109,630 [7,000] [6,000] [4,000]	47,000 [3,500] [4,500] [3,400]	129,130
		Superconducting DC Homopolar Motor Project M	[2,800] [2,200] [4,000]			[11,100] [5,500] [2,500]	
		Technologies for Future Naval Capabilities	[2,000]			[1,300]	
		Electromagnetic Gun Program	[2,000]			[3,900]	
		High-Speed Power Node Switching Center	[1,000]			[1,000]	
0603235N	18	COMMON PICTURE ADVANCED TECHNOLOGY Consolidated undersea situational awareness	79,521	83,521 [4,000]	82,521 [3,000]	3,400 [3,400]	82,921

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0603236N	19	WARFIGHTER SUSTAINMENT ADVANCED TECHNOLOGY	61,103	76,103	78,103	13,500	74,603
		Automatic container and cargo handling systems			[4,000]	[2,000]	
		Ultrasonic consolidation of matrix composites			[2,000]	[1,000]	
		Expeditionary logistics for the 21st Century			[6,000]	[3,000]	
		Defense Systems Modernization and Sustainment Initiative			[5,000]	[4,000]	
		Intermediate Modulus COTS Carbon Fiber Qualification			[1,000]	[1,000]	
		Emerging/Critical Interconnection Technology			[1,500]	[1,500]	
		Virtual, At Sea Training Initiative			[1,000]	[1,000]	
		Human Systems Integration			[1,500]	[1,500]	
		Program growth			[-1,500]		
0603271N	20	RF SYSTEMS ADVANCED TECHNOLOGY	44,046	65,546	47,046	5,000	49,046
		APY-6 Realtime Precision Targeting Radar			[10,000]	[3,000]	
		Vacuum Technology			[5,000]		
		Remote Ocean Surveillance System			[3,000]		
		SCOUT Radar			[2,000]		
		Spectral Beam Combining Fiber Lasers			[1,500]		
0603640M	21	USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	58,222	62,722	67,222	12,600	70,822
		Unmanned tactical combat vehicle				[1,000]	
		Water purification research				[8,000]	
		Advanced Mine Detection Program				[2,600]	
		Rapid Deployment Fortification Wall				[1,000]	
0603712N	22	ENVIRONMENTAL QUALITY AND LOGISTICS ADVANCED TECHNOLOGY					

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0603727N	23	NAVY TECHNICAL INFORMATION PRESENTATION SYSTEM Transfer PDW 81a	167,626	[-167,626]	167,626		167,626
0603729N	24	WARRIOR PROTECTION ADVANCED TECHNOLOGY Anti-oxidant micronutrients research Battlefield pharmaceutical test Organ Transplant Technology Biomedical Research Imaging Oxygen Dressing Transfer PDW 81b	16,719	27,719	19,319 [600] [2,000]	3,600 [600] [1,000] [2,000]	20,319
0603747N	25	UNDERSEA WARFARE ADVANCED TECHNOLOGY JOINT WARFARE EXPERIMENTS	26,515 26	26,515 [-26]	26,515 26		26,515
0603757N	26	Transfer PDW 81b					26
0603758N	27	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS	16,006	16,006	16,006		16,006
0603782N	28	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY	32,899	32,899	32,899		32,899
0603792N	29	ADVANCED TECHNOLOGY TRANSITION					
0603207N	30	AIR/OCean TACTICAL APPLICATIONS	24,431	24,431	24,431		24,431
0603216N	31	AVIATION SURVIVABILITY Rotorcraft External Airbag System	10,820	13,820	16,320 [5,500]	3,800 [3,800]	14,620
		Reduced Risk Ordnance					
0603237N	32	DEPLOYABLE JOINT COMMAND AND CONTROL	42,394	42,394	42,394		42,394
0603254N	33	ASW SYSTEMS DEVELOPMENT Claymore marine Tactical E Field Buoy Development	4,541	15,541 [7,000] [4,000]	9,541 [5,000]	7,900 [4,200] [3,700]	12,441

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0603261N	34	TACTICAL AIRBORNE RECONNAISSANCE UAV Concept of Operations	6,448	1,900	6,448		6,448
0603382N	35	ADVANCED COMBAT SYSTEMS TECHNOLOGY		[4,548]			
0603502N	36	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES UUV	67,605	67,605	67,605	-3,500	67,605
		Long-Term Mine Reconnaissance System	103,308	123,308	103,308	[1,500]	99,808
0603506N	37	SURFACE SHIP TORPEDO DEFENSE Anti Torpedo Torpedo	46,896	53,896	46,896	7,000	53,896
0603512N	38	CARRIER SYSTEMS DEVELOPMENT	157,479	167,479	166,479	3,700	161,179
		Aviation Ship Integration Center		[10,000]	[9,000]	[3,700]	
0603513N	39	SHIPBOARD SYSTEM COMPONENT DEVELOPMENT	18,993	25,493	21,993	2,900	21,893
		Amorphous metal permanent magnet generator set			[3,000]	[1,500]	
		D/D(X) Ship System Component Development			[1,400]	[1,400]	
		Integrated-fight-through-power					
		Ultrasonic Detection Equipment					
0603525N	40	PILOT FISH	78,223	78,223	78,223		78,223
0603527N	41	RETRACT LARCH	82,532	82,532	82,532		82,532
0603536N	42	RETRACT JUNIPER	36,915	36,915	36,915		36,915
0603542N	43	RADIOLOGICAL CONTROL	946	946	946		946
0603553N	44	SURFACE ASW	17,633	34,233	23,433	2,400	20,033
		Surface ship combat systems warfare enhancements			[3,000]	[1,000]	
		Improved surface vessel torpedo launcher			[2,800]	[1,400]	
		Task Force Anti-Submarine Warfare					
					[16,600]		

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0603559N	45	SSGN CONVERSION	19,970	19,970	19,970		19,970
0603561N	46	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	81,160	98,160	91,160	1,400	82,560
		Submarine payloads and sensors		[10,000]	[10,000]	[5,000]	
		Composite Structures		[7,000]		[1,400]	
		Development and demonstration of UUV in submarine operations				[5,000]	
0603562N	47	SUBMARINE TACTICAL WARFARE SYSTEMS	5,957	5,957	5,957		5,957
0603563N	48	SHIP CONCEPT ADVANCED DESIGN	3,723	3,723	8,723	2,500	6,223
0603564N	49	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES			[5,000]	[2,500]	
0603570N	50	ADVANCED NUCLEAR POWER SYSTEMS	169,733	169,733	169,733		169,733
0603573N	51	ADVANCED SURFACE MACHINERY SYSTEMS					
0603576N	52	CHALK EAGLE	47,786	47,786	47,786		47,786
0603581N	53	LITTORAL COMBAT SHIP (LCS)	352,089	244,389	352,089	-2,000	350,089
		Program decrease		[-107,700]			
		Phase I Design for Flight 1 Ship				[-2,000]	
0603582N	54	COMBAT SYSTEM INTEGRATION	80,840	86,840	75,840	-6,000	74,840
		Context-adaptable autonomous and remote unmanned systems			[5,000]	[2,500]	
		Transfer to PE 64503N (RDN 108)			[-10,000]	[-10,000]	
		Laser Diode Arrays				[1,500]	
0603609N	55	CONVENTIONAL MUNITIONS	34,151	34,151	34,151		34,151
0603611M	56	MARINE CORPS ASSAULT VEHICLES	236,969	236,969	236,969		236,969
0603612M	57	USMC MINE COUNTERMEASURES SYSTEMS - ADV DEV	4,522	4,522	4,522		4,522

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0603635M	58	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM Urban operations environmental laboratory Urban operations nonlethal and scalable weaponization	22,440	22,440	39,140 [6,400]	10,300 [4,200]	32,740 [1,900]
0603654N	59	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT COOPERATIVE ENGAGEMENT	18,047 103,452	18,047 103,452	18,047 103,452	18,047 103,452	18,047 103,452
0603658N	60	Anti-Armor Weapon System - Heavy CLEARING FACILITIES WITH NOVEL TECHNOLOGY	26,232 24,641	26,232 24,641	26,232 24,641	26,232 24,641	26,232 26,741
0603713N	61	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT					
0603721N	62	ENVIRONMENTAL PROTECTION Marine mammal detection and mitigation					
0603724N	63	NAVY ENERGY PROGRAM Proton exchange membrane (PEM) fuel cell trial One Megawatt Molten Carbonate Fuel Cell	1,494 [6,000]	7,494 1,621	4,994 1,621	6,300 [2,800]	7,794 [3,500]
0603725N	64	FACILITIES IMPROVEMENT CHALK CORAL					
0603734N	65	NAVY LOGISTIC PRODUCTIVITY RETRACT MAPLE	58,467 7,421	58,467 7,421	58,467 7,421	58,467 7,421	58,467 7,421
0603739N	66	LINK PLUMERIA					
0603746N	67	RETRACT ELM	112,997 48,130	112,997 48,130	112,997 48,130	112,997 48,130	112,997 48,130
0603748N	68	SHIP SELF DEFENSE					
0603751N	69	LINK EVERGREEN	9,493 63,346	9,493 63,346	9,493 63,346	9,493 63,346	9,493 63,346
0603755N	70	SPECIAL PROCESSES					
0603764N	71	NATO RESEARCH AND DEVELOPMENT	10,151	10,151	10,151	10,151	10,151

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0603795N	74	LAND ATTACK TECHNOLOGY Reduction - Affordable Weapons System Affordable Weapon System	82,049	105,049	53,149 [+28,900]	13,200	95,249
		Extended Range Guided Munition (ERGM)		[23,000]		[20,000] [-6,800]	
0603851M	75	NONLETHAL WEAPONS	43,321	43,321			43,321
0603857N	76	ALL SERVICE COMBAT IDENTIFICATION EVALUATION TEAM (ASCIET)	13,626	13,626			13,626
0603860N	77	JOINT PRECISION APPROACH AND LANDING SYSTEMS	32,391	32,391			32,391
0603879N	78	SINGLE INTEGRATED AIR PICTURE (SIAP) SYSTEM ENGINEER (SE)	20,252	20,252			20,252
0603889N	79	COUNTERDRUG R&D&E PROJECTS					
0604272N	80	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM)					
0604707N	81	SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINEERING	25,943	25,943			25,943
0604787N	82	JOINT WARFARE TRANSFORMATION PROGRAMS	22,450	22,450			22,450
		Transfer PDW 81c		[+22,450]			
0604212N	83	OTHER HELO DEVELOPMENT	186,970	186,970			186,970
0604214N	84	AV-8B AIRCRAFT - ENG DEV	12,284	12,284			12,284
0604215N	85	STANDARDS DEVELOPMENT	57,675	57,675			57,675
0604216N	86	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT	78,757	78,757			78,757
0604217N	87	S-3 WEAPON SYSTEM IMPROVEMENT					
0604218N	88	AIR/OCEAN EQUIPMENT ENGINEERING					
0604221N	89	P-3 MODERNIZATION PROGRAM	4,506	4,506			4,506
0604230N	90	WARFARE SUPPORT SYSTEM	9,554	9,554			9,554
0604231N	91	TACTICAL COMMAND SYSTEM	5,201	5,201			5,201
0604234N	92	ADVANCED HAWKEYE	49,180	49,180			49,180
			597,015	597,015			597,015

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0604245N	93	H-1 UPGRADES AH-1ZUH-1Y upgrades - turned exhaust	90,389	90,389	132,389	[42,000] [42,000]	132,389
0604261N	94	ACOUSTIC SEARCH SENSORS Automatic Radar Periscope Detection Discrimination	13,363	28,363	13,363	[15,000] [304,164]	13,363
0604262N	95	V-22A CV-22 flight test program delay	304,164	304,164	304,164	[-42,000] [-42,000]	262,164
0604264N	96	AIR CREW SYSTEMS DEVELOPMENT Joint Helmet Mounted Cueing System Quad Eye	8,838	8,838	12,838	[4,000] [4,000]	12,838
0604269N	97	EA-18	357,502	357,502	357,502	[4,000] [4,000]	357,502
0604270N	98	ELECTRONIC WARFARE DEVELOPMENT	48,936	48,936	48,936	[48,936] [48,936]	48,936
0604273N	99	VXXX EXECUTIVE HELO DEVELOPMENT VXX executive helicopter execution	777,398	557,398	632,398	[-220,000] [-145,000]	557,398
0604280N	100	JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY)	78,624	93,624	78,624	[-220,000] [-145,000]	80,624
0604300N	101	Digital Modular Radio SC-21 TOTAL SHIP SYSTEM ENGINEERING For second DD(X) Program decrease	1,431,385	1,220,485	1,530,985	[2,000] [99,400] [99,400]	2,000 39,900 1,471,485
0604307N	102	Advanced Gun System for DD(X) Joint distance support and response and integrated fleet support Open Architecture SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	146,463	168,263	146,463	[-44,500] [10,000] [21,800]	150,763
0604311N	103	LPPD-17 CLASS SYSTEMS INTEGRATION	8,988	8,988	8,988	[4,300]	8,988
0604312N	104	TRI-SERVICE STANDOFF ATTACK MISSILE	27,047	27,047	27,047	27,047	27,047

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0604329N	105	SMALL DIAMETER BOMB (SDB)	9,961	9,961	9,961	9,961	9,961
0604366N	106	STANDARD MISSILE IMPROVEMENTS	99,022	99,022	109,022	8,500	107,522
		Standard missile insensitive munitions improvements			[5,000]	[5,000]	
		Advanced missile data link			[5,000]	[3,500]	
0604373N	107	AIRBORNE MCM	50,514	50,514	53,514	50,514	
		Surface Navy integrated undersea tactical technology (SNIUTT) sim			[3,000]		
0604503N	108	SSN-688 AND TRIDENT MODERNIZATION	75,359	104,359	94,359	20,800	96,159
		Submarine expendable communication device			[4,000]		
		Transfer from PE 63582N (RDN 54)			[10,000]		
		Advanced Processor Build Integration			[4,000]		
		Affordable Towed Array Construction			[3,500]		
		AN/BLO-10 Test and Support					
		Littoral array system (S. Amdt 3351)			[5,000]		
0604504N	109	AIR CONTROL	13,102	13,102	13,102	13,102	
0604507N	110	ENHANCED MODULAR SIGNAL PROCESSOR	1,075	1,075	1,075	1,075	
0604512N	111	SHIPBOARD AVIATION SYSTEMS	28,631	32,631	31,131	1,000	29,631
		Synthetic material arresting cable			[2,500]	[1,000]	
		Aviation Shipboard Information Technology Initiative					
0604518N	112	COMBAT INFORMATION CENTER CONVERSION	8,228	8,228	8,228	8,228	

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0604558N	113	NEW DESIGN SSN Submarine information assurance Multi-mission module Large aperture bow array Common submarine radio room Re-align base funding to fiscal year 2004 level	143,270	153,270	219,370 [2,000] [56,000] [5,000] [13,100]	12,000 [1,500] [20,000] [2,500] [8,000] [-20,000]	155,270
0604561N	114	SSN-21 DEVELOPMENTS	3,020	3,020	3,020	3,020	3,020
0604562N	115	SUBMARINE TACTICAL WARFARE SYSTEM Submarine warfare system strike weapon status control	43,404	43,404	49,404 [6,000]	4,600 [4,600]	48,004
0604567N	116	SHIP CONTRACT DESIGN/ LIVE FIRE T&E Cruiser modernization	130,908	130,908	130,908 [-13,000]	-13,000	117,908
0604574N	117	NAVY TACTICAL COMPUTER RESOURCES	2,381	2,381	2,381	2,381	2,381
0604601N	118	MINE DEVELOPMENT	6,123	6,123	6,123	6,123	6,123
0604603N	119	UNGUIDED CONVENTIONAL AIR-LAUNCHED WEAPONS					
0604610N	120	LIGHTWEIGHT TORPEDO DEVELOPMENT	9,965	9,965	9,965	1,500	11,465
		MK-54 System PIP (non-add) MK-54 System	[2,000]		[1,500]		
0604618N	121	JOINT DIRECT ATTACK MUNITION					
0604654N	122	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	8,081	8,081	8,081	8,081	8,081
0604703N	123	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS	3,005	3,005	3,005	3,005	3,005
0604710N	124	NAVY ENERGY PROGRAM					
0604721N	125	BATTLE GROUP PASSIVE HORIZON EXTENSION SYSTEM Anti-terrorism Tech Surveillance System	17,981	17,981	20,981 [3,000]	1,100 [1,100]	19,081

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0604727N	126	JOINT STANDOFF WEAPON SYSTEMS	9,531	9,531	9,531		9,531
0604755N	127	SHIP SELF DEFENSE (DETECT & CONTROL) Directed energy user scrutiny equipment Integrated Radar Optical Surveillance and Sighting System Evolved Sea Sparrow	48,154	88,754	53,154	[5,000]	9,400 [2,500] [3,500]
0604756N	128	Open Architecture Warfare Systems SHIP SELF DEFENSE (ENGAGE: HARD KILL)	51,213	51,213	51,213		51,213
0604757N	129	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW) NULLKA research to counter multi-mode RF and IR	28,233	28,233	33,233		1,500 [1,500]
0604771N	130	MEDICAL DEVELOPMENT Sea rescue technology	6,942	21,942	9,942	[3,000]	11,500 [3,000]
		Hemoglobin-based Oxygen Carrier Pseudofolliculus Barbae Research		[13,000] [2,000]		[7,000] [1,500]	
0604777N	131	NAVIGATION/ID SYSTEM	28,104	28,104	28,104		28,104
0604784N	132	DISTRIBUTED SURVEILLANCE SYSTEM	7,776	7,776	7,776		7,776
0604800N	133	JOINT STRIKE FIGHTER (JSF) STOVL lift fan study Align engine development with SDD schedule Fiscal year 2003/04 reprogramming activity Manufacturing, tooling materials	2,264,507	2,264,507	2,279,507	[15,000]	-126,000 [8,000] [49,000] [25,000] [-60,000]
0604910N	134	SMART CARD	695	695	695		695
0605013M	135	INFORMATION TECHNOLOGY DEVELOPMENT	9,301	9,301	9,301		9,301

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0605013N	136	INFORMATION TECHNOLOGY DEVELOPMENT Enterprise Resource Planning	109,543	29,543 [-8,000] [3,000]	109,543	-25,000 [-25,000]	84,543
0605014N	137	DEFENSE INTEGRATED MILITARY HUMAN RESOURCES SYSTEM (DIMHRS)	496,029	496,029	496,029		496,029
0605500N	138	MULTI-MISSION MARITIME AIRCRAFT (MMA)					
0508713N	139	NAVY STANDARD INTEGRATED PERSONNEL SYSTEM (NSIPS)					
0604256N	140	THREAT SIMULATOR DEVELOPMENT	23,866	23,866	23,866		23,866
0604258N	141	TARGET SYSTEMS DEVELOPMENT	35,677	35,677	35,677		35,677
0604759N	142	MAJOR T&E INVESTMENT	39,787	39,787	39,787		39,787
0605152N	143	STUDIES AND ANALYSIS SUPPORT - NAVY	2,183	2,183	2,183		2,183
0605154N	144	CENTER FOR NAVAL ANALYSES	43,982	43,982	43,982		43,982
0605155N	145	FLEET TACTICAL DEVELOPMENT	2,338	2,338	2,338		2,338
0605020N	146	SMALL BUSINESS INNOVATIVE RESEARCH	696	696	696		696
0605804N	147	TECHNICAL INFORMATION SERVICES	31,407	31,407	31,407		31,407
0605833N	148	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	3,493	3,493	3,493		3,493
0605836N	149	STRATEGIC TECHNICAL SUPPORT	66,117	66,117	62,317	-3,800	62,317
0605861N	150	RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT					
0605862N	151	RDT&E INSTRUMENTATION MODERNIZATION	19,370	19,370	19,370		19,370
0605863N	152	RDT&E SHIP AND AIRCRAFT SUPPORT	81,308	81,308	81,308		81,308
0605864N	153	TEST AND EVALUATION SUPPORT	255,926	255,926	255,926		255,926
0605865N	154	OPERATIONAL TEST AND EVALUATION CAPABILITY	13,044	13,044	13,044		13,044
0605866N	155	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT	2,941	2,941	2,941		2,941

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0605867N	156	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT	12,160	12,160			12,160
0605873M	157	MARINE CORPS PROGRAM WIDE SUPPORT	19,701	19,701			19,701
0909999N	158	FINANCING FOR CANCELLED ACCOUNT ADJUSTMENTS		[]			
0603660N	159	ADVANCED DEVELOPMENT PROJECTS		[]			
0603661N	160	RETRACT VIOLET					
0101221N	161	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	108,782	108,782	113,782	-18,100	90,682
		Thin-plate pure lead battery technology			[5,000]	[14,900]	
		Strategic propulsion applications			[-18,000]		
		Radiation hardened applications			[-5,000]		
0101224N	162	SSBN SECURITY TECHNOLOGY PROGRAM	43,408	43,408			43,408
0101226N	163	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	8,453	8,453	8,453		8,453
0101402N	164	NAVY STRATEGIC COMMUNICATIONS	31,391	31,391			31,391
0203761N	165	RAPID TECHNOLOGY TRANSITION (RTT)	14,630	14,630	14,630		14,630
0204136N	166	FA-18 SQUADRONS	134,580	134,580			134,580
0204152N	167	E-2 SQUADRONS	6,055	6,055	6,055		6,055
0204163N	168	FLEET TELECOMMUNICATIONS (TACTICAL)	19,784	19,784			19,784
0204229N	169	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	28,776	28,776	33,776	4,000	32,776
		Precision Terrain Aided Navigation			[5,000]		
0204311N	170	INTEGRATED SURVEILLANCE SYSTEM	16,965	16,965			16,965
0204413N	171	AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT)	2,604	2,604	2,604		2,604
0204571N	172	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	21,644	21,644			21,644
0204574N	173	CRYPTOLOGIC DIRECT SUPPORT	1,460	1,460	1,460		1,460
0204575N	174	ELECTRONIC WARFARE (EW) READINESS SUPPORT	12,139	12,139			12,139

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0205601N	175	HARM IMPROVEMENT	163,371	165,371	163,371	1,100 [1,100]	164,471
		Embedded National Tactical Receiver - AARGM		[2,000]			
0205604N	176	TACTICAL DATA LINKS	18,977	18,977			18,977
0205620N	177	SURFACE ASW COMBAT SYSTEM INTEGRATION	10,612	10,612			10,612
0205632N	178	MK-48 ADCAP	21,620	21,620			21,620
0205633N	179	AVIATION IMPROVEMENTS	62,635	67,635			66,335
		Corrosion inhibiting coatings		[4,000]			
		Name-composite hard-coat for aircraft canopies (H. Amdt 10)		[5,000]			
0205658N	180	NAVY SCIENCE ASSISTANCE PROGRAM	3,821	3,821			3,821
0205675N	181	OPERATIONAL NUCLEAR POWER SYSTEMS	64,554	64,554			64,554
0206313M	182	MARINE CORPS COMMUNICATIONS SYSTEMS	268,638	268,638			262,638
		Communication emitter sensing and attacking system					
		Infrastructure system security engineering development (S. Amdt 3228)					
		Advanced Ferrite antenna (S. Amdt 3179)					
		Coastal battlefield reconnaissance and analysis					
0206623M	183	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	44,828	44,828			44,828
0206624M	184	MARINE CORPS COMBAT SERVICES SUPPORT	10,731	10,731			11,731
		Battlefield Management System		[2,000]			
0207161N	185	TACTICAL AIM MISSILES	4,061	4,061			4,061
0207163N	186	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	9,085	9,085			9,085
0301303N	187	MARITIME INTELLIGENCE	[]	[]			
0301323N	188	COLLECTION MANAGEMENT	[]	[]			
0301327N	189	TECHNICAL RECONNAISSANCE AND SURVEILLANCE	[]	[]			

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Account	Line	Program Title	FY2005 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
0303109N	190	SATELLITE COMMUNICATIONS (SPACE) Joint Integrated Systems Technology for Digital Networking MOUS - fund to CAIG estimate	573,092	581,092 [8,000]	573,092	-105,100 [4,900] [-10,000]	467,992
0303140N	191	INFORMATION SYSTEMS SECURITY PROGRAM Common Submarine Radio Room	18,676	36,376 [17,700]	18,676		18,676
0304111N	192	SPACE ACTIVITIES	[]	80,694	80,694		
0305149N	193	COBRA JUDY			93,694	13,000 [13,000]	93,694
0305160N	194	Cobra Judy replacement NAVY METEOROLOGICAL AND OCEAN SENSORS-SPACE (METOC)	4,215	4,215	4,215		4,215
0305188N	195	JOINT C4ISR BATTLE CENTER (BBC)	43,569	43,569	43,569		43,569
0305192N	196	JOINT MILITARY INTELLIGENCE PROGRAMS	4,746	4,746	4,746		4,746
0305204N	197	TACTICAL UNMANNED AERIAL VEHICLES (JUAV)	53,439	53,439	53,439		53,439
0305205N	198	ENDURANCE UNMANNED AERIAL VEHICLES	113,438	113,438	113,438	-15,000 [-15,000]	98,438
0305206N	199	Broad Area Maritime Development - schedule slip due to competition AIRBORNE RECONNAISSANCE SYSTEMS	10,191	13,191	10,191	1,000 [1,000]	11,191
0305207N	200	Passive Collision Avoidance and Reconnaissance MANNED RECONNAISSANCE SYSTEMS (JMIP)	20,203	20,203	20,203		20,203
0305208N	201	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS Enterprise Targeting and Strike System	3,635	9,635 [6,000]	3,635 [2,800]	2,800 [2,800]	6,435
0305927N	202	NAVAL SPACE SURVEILLANCE	24,909	24,909	24,909		24,909
0307207N	203	AERIAL COMMON SENSOR (ACS) (JMIP)	7,262	7,262	16,262	6,000 [6,000]	13,262
0308601N	204	MODELING AND SIMULATION SUPPORT Modeling and simulation research					

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0702207N	205	DEPOT MAINTENANCE (NON-IF)	56,565	56,565	56,565	56,565	56,565
0708011N	206	INDUSTRIAL PREPAREDNESS	10,265	10,265	10,265	10,265	10,265
0708730N	207	MARITIME TECHNOLOGY (MARITECH)	1,003,485	1,003,485	1,003,485	1,003,485	1,003,485
XXXXXXXXX999		CLASSIFIED PROGRAMS					
		Financial information systems		-15,200			
		Total, RDT&E Navy	16,346,391	16,052,841	16,690,391	-145,800	16,200,591



Littoral Combat Ship

The budget request included \$352.1 million in PE 63581N for the Littoral Combat Ship (LCS), including \$244.4 million for LCS development and \$107.7 million for construction.

The House bill would authorize \$244.4 million in PE 63581N for LCS development, a decrease of \$107.7 million, delaying construction of the first LCS until fiscal year 2006.

The Senate amendment would authorize the budget request.

The conferees agree to authorize \$350.1 million, a decrease of \$2.0 million for phase one design of the Flight One LCS design.

The conferees note the concerns expressed in the House report accompanying H.R. 4200 (H. Rept. 108-491) regarding whether the LCS program schedule provides sufficient time and opportunities for experimentation and evaluation of the operational concepts for LCS in Flight Zero before committing to major serial production of the ship with Flight One. The program plan provided with the fiscal year 2005 budget request had construction starting on Flight One ships before delivery and evaluation of Flight Zero ships. This concurrency could require expensive retrofit to Flight One ships after lessons have been learned from operating Flight Zero ships.

The conferees are concerned with a potential industrial impact induced by making fiscal year 2006 a gap year in LCS production, which could lead to increased ship costs or technology insertion challenges. However, the conferees agree with the rationale of section 8092 of the Department of Defense Appropriations Act for Fiscal Year 2005 (section A of Public Law 108-287), which directs that no funds be obligated for construction of a third vessel in the fiscal year 2006 budget request. The conferees expect that the Navy will include a plan that reduces the risk of concurrency in the LCS justification submitted as part of the fiscal year 2006 budget request.

Land attack technology

The budget request included \$82.0 million in PE 63795N for land attack technology. This included \$28.9 million for the affordable weapons system (AWS) and \$11.3 million for the continued development of the extended range guided munition (ERGM).

The House bill would authorize \$105.0 million in PE 63795N for land attack technology. This included \$51.9 million for AWS, an increase of \$23.0 million, and would authorize the budget request for ERGM.

The Senate amendment would authorize \$53.1 million in PE 63795N for land attack technology. This would authorize no funding for AWS, and would authorize the budget request for ERGM.

The conferees agree to authorize \$95.2 million in PE 63795N

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for land attack technology. This includes an authorization of \$48.9 million for AWS, an increase of \$20.0 million. This also includes an authorization of \$4.5 million for ERGM, a decrease of \$6.8 million.

The conferees are aware of past testing problems in the ERGM program, but have supported fielding of ERGM capability as soon as possible. The conferees are also aware that the Navy has issued a notice to industry stating that it will issue a solicitation for a capability to mirror that of ERGM. While supportive of this risk-reduction strategy, the conferees also expect that funds appropriated for the ERGM program be applied to continued developmental testing of ERGM.

Open architecture

The budget request included \$146.5 million in PE 64307N for surface combatant combat system engineering and \$48.2 million in PE 64755N for ship self-defense (detect and control).

The House bill would authorize an increase of \$21.8 million in PE 64307N for open architecture systems and would also authorize an increase of \$21.8 million in PE 64755N for open architecture warfare systems.

The Senate amendment would authorize the budget request.

The conferees agree to authorize an increase of \$4.3 million in PE 64307N and an increase of \$3.4 million in PE 64755N for open architecture warfare systems.

The conferees concur with the Navy's decision to move to open architecture (OA)-based warfare systems, and recognize OA as an enabling step to modernizing warfighting capabilities at an affordable cost. Similarly, given the rapid rate that commercial, off-the-shelf computing equipment and software is becoming obsolescent, delaying the implementation of OA will result in military systems falling further and further behind the commercial sector's capability. While an OA approach to development and fielding requires increased cooperation at all levels, it also creates interdependencies among programs as a result of design and development components that will be used in multiple systems. With this approach, the impact of a delay or funding cut in a program implementing OA could have impact on other programs.

The Navy identified the implementation of OA into Navy surface forces as its highest unfunded priority in fiscal year 2005. Under the Navy's plan, modernization of existing forces (cruiser modernization and DDG modernization) and recapitalization of the surface fleet (DD(X), CVN-21, and the Littoral Combat Ship) are all inextricably linked to the overall execution of the OA initiative. The conferees believe that there could be serious, cascading effects on these programs unless the Navy ensures that the OA initiative is fully funded, and urge the Navy to pursue any shortfalls through supplemental submissions

for fiscal year 2005. The conferees also believe the Navy should consider grouping various OA efforts in a separate program element, so that: (1) the Navy can coordinate its efforts more efficiently; and (2) difficulties with individual platform programs do not jeopardize the entire effort.

AIR FORCE

Research, Development, Test and Evaluation, Air Force Overview

The budget request for fiscal year 2005 included an authorization of \$21,114.7 million in Research Development, Test and Evaluation, Air Force for the Department of Defense.

The House bill would authorize \$21,533.0 million.

The Senate amendment would authorize \$21,264.3 million.

The conferees recommend an authorization of \$20,432.9 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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0601102F	1	RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE	217,304	219,304	227,304	7,800	225,104
		DEFENSE RESEARCH SCIENCES			[3,000]	[2,500]	
		Information assurance research			[2,000]		
		Logistics research			[2,000]		
		Advanced research in quantum information technology			[1,000]		
		Nanomaterials research			[3,000]	[2,300]	
0601103F	2	Chabot Space and Science Center	115,865	115,865	132,465	6,700	122,565
		UNIVERSITY RESEARCH INITIATIVES			[1,600]	[1,600]	
		Photonics research			[2,500]		
		Nano- and micro-electromechanical research			[2,500]		
		Information security research			[1,600]		
		SMART Defense scholarship pilot program			[10,000]	[2,500]	
		Logistics research			[1,000]		
0601108F	3	HIGH ENERGY LASER RESEARCH INITIATIVES	12,331	12,331	12,331		12,331
0602102F	4	MATERIALS	73,660	73,660	77,060	2,900	76,560
		Composite materials research for unmanned structures			[1,500]	[1,000]	
		Blast resistant barriers			[1,900]	[1,900]	
0602201F	5	AEROSPACE VEHICLE TECHNOLOGIES	74,679	74,679	74,679		74,679
0602202F	6	HUMAN EFFECTIVENESS APPLIED RESEARCH	71,483	74,483	76,483	2,600	74,083
		Battlefield air operations technology			[5,000]	[1,100]	
		Improved Performance Research Integration Tool			[3,000]	[1,500]	

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0602203F	7	AEROSPACE PROPULSION Hypersonics research (X-43C) Integrated Cooling and Power System Magnetic Bearing Fuel Cell Technology-Proton Exchange Membrane Advanced Vehicle and Propulsion Center Engineering Research Lab Equipment Upgrade	92,650	108,150	102,650 [10,000]	7,800	100,450 [2,800]
0602204F	8	AEROSPACE SENSORS Super-resolution Sensor System Three-dimensional microelectronics development Compact Optical Receiver for Smart Loitering Standoff Munitions (non-add)	78,804	78,804	83,804 [3,000] [2,000]	5,000 [2,000]	83,804 [2,000]
0602500F	9	MULTI-DISCIPLINARY SPACE TECHNOLOGY	84,581	84,581	84,581	84,581	84,581
0602601F	10	SPACE TECHNOLOGY	88,909	96,909	99,909 [3,000] [3,000]	1,500 [2,000]	90,409 [1,500]
		Elastic memory composite research Foldable space structures Hyperspectral technology			[5,000]		
		Integrated Control for Autonomous Space Systems Satellite Tool Kit Technology Integration Spacecraft vehicles technology; deployable structures for SBR			[4,000] [4,000]	[2,000]	
0602602F	11	CONVENTIONAL MUNITIONS	52,251	52,251			
0602605F	12	DIRECTED ENERGY TECHNOLOGY Ultra Short Pulse Laser Technology	36,532	46,532 [10,000]	36,532 [5,000]	5,000 [41,532]	41,532

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0602702F	13	COMMAND CONTROL AND COMMUNICATIONS Joint battlespace inosphere	82,147	86,647	83,147	1,000 [1,000]	83,147
		Collaborative Information and Knowledge Management	[4,500]				
0602805F	14	DUAL USE SCIENCE AND TECHNOLOGY PROGRAM	5,151	5,151	5,151		5,151
0602890F	15	HIGH ENERGY LASER RESEARCH	45,333	45,333	45,333		45,333
0603112F	16	ADVANCED MATERIALS FOR WEAPON SYSTEMS Metals Affordability Initiative	34,284	48,284	41,284	7,500 [7,500]	41,784
0603203F	17	ADVANCED AEROSPACE SENSORS Advanced sensors	30,634	30,634	34,634	2,550 [2,550]	33,184
0603205F	18	FLIGHT VEHICLE TECHNOLOGY					
0603211F	19	AEROSPACE TECHNOLOGY DEV/DEMO Photonics technology	29,145	29,145	31,145		29,145
0603216F	20	AEROSPACE PROPULSION AND POWER TECHNOLOGY Advanced turbine engine gas generators	79,914	79,914	87,914	5,900 [5,000]	85,814
		Turbine engine program				[3,500] [3,000]	
0603231F	21	CREW SYSTEMS AND PERSONNEL PROTECTION TECHNOLOGY Decision support and cognitive systems	32,794	32,794	27,794 [-5,000]		32,794
0603270F	22	ELECTRONIC COMBAT TECHNOLOGY Day-Night Electro Optical Tracker Countermeasures	28,282	40,282	28,282 [6,000]	5,600	33,882
		Light Weight Modular Support Jammer					
0603311F	23	BALISTIC MISSILE TECHNOLOGY					
0603333F	24	UNMANNED AIR VEHICLE DEV/DEMO					

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0603401F	25	ADVANCED SPACECRAFT TECHNOLOGY AC coupled interconnect	60,124	74,124	87,124	17,000 [1,000]	77,124
		Hardening technologies for satellites			[5,000]	[3,500]	
		Thin film amorphous solar arrays			[7,000]	[7,000]	
		Boron energy cell technology			[5,000]	[1,000]	
		Intelligent free space optical satellite communications node			[3,000]	[1,500]	
		Satellite Simulation Toolkit			[5,000]	[3,000]	
		Streaker Small Launch Vehicle			[6,000]	[3,000]	
0603444F	26	MAUI SPACE SURVEILLANCE SYSTEM (MSSS)	6,306	16,306	16,306	8,500 [8,500]	14,806
		High accuracy network determination system (HANDS)			[10,000]	[10,000]	
0603500F	27	MULTI-DISCIPLINARY ADVANCED DEVELOPMENT SPACE TECHNOLOGY	51,114	58,114	56,114		51,114
		Laser threat warning attack reporting for space			[5,000]	[5,000]	
		Upper Stage Engine Technology			[7,000]	[7,000]	
0603601F	28	CONVENTIONAL WEAPONS TECHNOLOGY	22,398	31,398	25,398	3,000 [3,000]	25,398
		Low Cost Autonomous Attack System			[3,000]	[3,000]	
		BLU-109H			[9,000]	[3,000]	
0603605F	29	ADVANCED WEAPONS TECHNOLOGY	31,103	31,103	31,103		31,103
0603723F	30	ENVIRONMENTAL ENGINEERING TECHNOLOGY					
0603789F	31	C3I ADVANCED DEVELOPMENT	28,524	33,524	28,524	1,500 [1,500]	30,024
		Identification of Time Critical Targets			[5,000]	[5,000]	
0603801F	32	SPECIAL PROGRAMS	320,503	320,503	320,503		320,503
0603850F	33	INTEGRATED BROADCAST SERVICE	2,294	2,294	2,294		2,294
0603924F	34	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM	8,547	8,547	8,547		8,547

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Account	Line	Program Title	FY2005 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
0207423F	35	ADVANCED COMMUNICATIONS SYSTEMS	12,051	12,051		12,051	12,051
0401840F	36	AMC COMMAND AND CONTROL SYSTEM	6,038	6,038		6,038	6,038
0804751F	37	JOINT NATIONAL TRAINING CENTER	2,939	2,939		2,939	2,939
0603260F	38	INTELLIGENCE ADVANCED DEVELOPMENT	4,612	4,612		4,612	4,612
0603287F	39	PHYSICAL SECURITY EQUIPMENT	22,640	35,640		2,000	24,640
		X-ray Base Protection System	[8,000]	[8,000]		[2,000]	
		Quick Reaction Perimeter Intrusion Detection	[5,000]	[5,000]			
0603421F	40	NAVSTAR GLOBAL POSITIONING SYSTEM III	40,568	40,568		40,568	40,568
0603430F	41	ADVANCED EHF MILSATCOM (SPACE)	612,049	612,049		612,049	612,049
0603432F	42	POLAR MILSATCOM (SPACE)	960	960		960	960
0603434F	43	NATIONAL POLAR-ORBITING OPERATIONAL ENVIRONMENTAL SATELLITE					
0603438F	44	SPACE CONTROL TECHNOLOGY	15,046	15,046		15,046	15,046
0603742F	45	COMBAT IDENTIFICATION TECHNOLOGY	19,582	19,582		19,582	19,582
0603790F	46	NATO RESEARCH AND DEVELOPMENT	3,930	3,930		3,930	3,930
0603791F	47	INTERNATIONAL SPACE COOPERATIVE R&D	552	552		552	552
0603845F	48	TRANSFORMATIONAL SATCOM (TSAT)	774,836	674,836		674,836	474,836
		TSAT program risk					
0603850F	49	INTEGRATED BROADCAST SERVICE	23,927	23,927		23,927	23,927
0603851F	50	INTERCONTINENTAL BALLISTIC MISSILE	72,503	72,503		-2,000	70,503
		Long range planning					
0603854F	51	WIDEBAND GAPHILLER SYSTEM RDT&E (SPACE)	73,499	88,499		73,499	73,499
		Program increase	[15,000]	[15,000]			
0603856F	52	AIR FORCE/NATIONAL PROGRAM COOPERATION (AFNPC)					

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0603858F	53	SPACE-BASED RADAR Technological risk reduction	327,732	327,732	327,732	-252,732 [-252,732]	75,000
0603859F	54	POLLUTION PREVENTION	2,692	2,692	2,692	2,692	2,692
0603860F	55	JOINT PRECISION APPROACH AND LANDING SYSTEMS	18,385	18,385	18,385	18,385	18,385
0604015F	56	NEXT GENERATION BOMBER Program increase	100,000	[100,000]	100,000	30,000 [30,000]	30,000
0604327F	57	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM	6,383	6,383	6,383	6,383	6,383
0604731F	58	UNMANNED COMBAT AIR VEHICLE (UCAV)	35,362	45,362	42,862	-2,000 [11,000]	33,362
0604855F	59	OPERATIONALLY RESPONSIVE LAUNCH Operationally responsive launch	[6,000]	[6,000]	[7,500]	[2,000]	[2,000]
		Blue MAJIC					
		Program reduction					
0604856F	60	COMMON AERO VEHICLE (CAV) Program increase	21,610	33,610	21,610	-5,000 [12,000]	16,610
		Program reduction					
		Program increase					
0305178F	61	NATIONAL POLAR-ORBITING OPERATIONAL ENVIRONMENTAL SATELLITE	307,668	307,668	307,668	307,668	307,668
0603840F	62	GLOBAL BROADCAST SERVICE (GBS) Reduce forward financing	33,447	33,447	33,447	[-7,000] [-7,000]	26,447
0604012F	63	JOINT HELMET MOUNTED CUEING SYSTEM (JHMCS)	2,867	2,867	2,867	2,867	2,867
0604222F	64	NUCLEAR WEAPONS SUPPORT	13,301	13,301	13,301	13,301	13,301
0604226F	65	B-1B B-1 data link and FLIR upgrades	59,462	59,462	79,462	20,000 [20,000]	79,462
0604233F	66	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING	3,359	3,359	3,359	3,359	3,359

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0604239F	67	F-22	210,000	210,000	210,000	0	210,000
0604240F	68	B-2 ADVANCED TECHNOLOGY BOMBER	245,049	343,049	245,049	-100,000	275,049
		Global Strike	[98,000]	[30,000]	[30,000]		
0604270F	69	ELECTRONIC WARFARE DEVELOPMENT	138,393	138,393	153,093	-32,000	106,393
		PLAID		[14,700]	[4,000]		[36,000]
		AEA technology development					
0604280F	70	JOINT TACTICAL RADIO	49,856	49,856	49,856	-10,000	39,856
		SDD contract award delay					
0604287F	71	PHYSICAL SECURITY EQUIPMENT	9,744	9,744	9,744	0	9,744
0604329F	72	SMALL DIAMETER BOMB (SDB)	76,489	76,489	76,489	0	76,489
0604421F	73	COUNTERSPACE SYSTEMS	75,863	75,863	80,863	-49,500	26,363
		Space control test capabilities					
		Counter Surveillance Reconnaissance System					
0604435F	74	ADVANCED POLAR MILSATCOM	508,448	543,448	543,448	35,000	543,448
0604441F	75	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD		[35,000]	[35,000]		
		SBIRS development					
0604479F	76	MILSTAR LDR/MR SATELLITE COMMUNICATIONS (SPACE)	1,380	1,380	1,380	0	1,380
0604600F	77	MUNITIONS DISPENSER DEVELOPMENT	28,048	28,048	28,048	0	28,048
0604602F	78	ARMAMENT/ORDNANCE DEVELOPMENT	8,353	8,353	8,353	0	8,353
0604604F	79	SUBMUNITIONS	4,824	4,824	4,824	0	4,824
0604617F	80	AGILE COMBAT SUPPORT	10,053	10,053	10,053	0	10,053
0604618F	81	JOINT DIRECT ATTACK MUNITION					
0604706F	82	LIFE SUPPORT SYSTEMS	6,630	6,630	6,630	0	6,630

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0604731F	83	UNMANNED COMBAT AIR VEHICLE (UCAV)	18,714	18,714	18,714		18,714
0604735F	84	COMBAT TRAINING RANGES	258	6,258	258	5,600	5,858
0604740F	85	INTEGRATED COMMAND & CONTROL APPLICATIONS (IC2A) Distributed Mission Interoperability Tool Kit	[6,000]	[6,000]	[5,600]		
0604750F	86	INTELLIGENCE EQUIPMENT	1,349	1,349	1,349		1,349
0604754F	87	TACTICAL DATA LINK INFRASTRUCTURE					
0604762F	88	COMMON LOW OBSERVABLES VERIFICATION SYSTEM (CLOVERS)	10,303	10,303	10,303	10,303	
0604800F	89	JOINT STRIKE FIGHTER (JSF) F135 engine development	2,307,420	2,307,420	2,307,420	-134,000 [-49,000] [-25,000] [-60,000]	2,173,420
		Reprogramming activity					
		Manufacturing, tooling and materials					
0604851F	90	INTERCONTINENTAL BALLISTIC MISSILE	91,687	91,687	91,687		91,687
0604853F	91	EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE)	27,000	27,000	27,000		27,000
0605011F	92	RDT&E FOR AGING AIRCRAFT	15,665	19,665	15,665	3,000 [2,000]	18,665
		Enterprise Availability and Cost Optimization System					
		Program increase					
0207131F	93	A-10 SQUADRONS					
0207256F	94	UNMANNED COMBAT AIR VEHICLE JOINT PROGRAM OFFICE	2,911	2,911	2,911		2,911
0207434F	95	LINK-16 SUPPORT AND SUSTAINMENT Data Links Facility - fiscal year 2006 contract award	141,012	141,012	141,012	-10,800 [-10,800]	130,212
0207443F	96	FAMILY OF INTEROPERABLE OPERATIONAL PICTURES (FIOP) Command-and-control service level management (H. Amdt 10) Program growth	44,947 [5,000]	49,947 [5,000]	44,947	-200 [3,800] [-4,000]	44,747

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0207450F	97	MULTI-SENSOR C2 AIRCRAFT (MC2A) Reduction - MC2A (late delivery of test bed aircraft)	538,860	538,860	498,860	-40,000 [-40,000]	498,860
0207701F	98	FULL COMBAT MISSION TRAINING	5,894	5,894	5,894		5,894
0305176F	99	COMBAT SURVIVOR EVADER LOCATOR					
0401318F	100	CV-22	16,439	16,439	16,439		16,439
XXXXXXX100a		Tanker Replacement Transfer Fund					
0604246F	101	THREAT SIMULATOR DEVELOPMENT	34,517	34,517	34,517		34,517
0604759F	102	MAJOR T&E INVESTMENT	58,933	58,933	58,933		58,933
0605101F	103	RAND PROJECT AIR FORCE	24,970	24,970	24,970		24,970
0605306F	104	RANCH HAND II EPIDEMIOLOGY STUDY	4,813	4,813	4,813		4,813
0605502F	105	SMALL BUSINESS INNOVATION RESEARCH					
0605712F	106	INITIAL OPERATIONAL TEST & EVALUATION	28,839	28,839	28,839		28,839
0605807F	107	TEST AND EVALUATION SUPPORT	356,266	356,266	356,266		356,266
0605860F	108	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE) Ballistic missile range safety technology	7,984	7,984	7,984	15,000 [15,000]	22,984
0605864F	109	Microsatellite launch capability SPACE TEST PROGRAM (STP)					
0605976F	110	FACILITIES RESTORATION AND MODERNIZATION - TEST AND EVALUATION	44,521	44,521	44,521		44,521
0605978F	111	FACILITIES SUSTAINMENT - TEST AND EVALUATION SUPPORT	58,936	58,936	58,936		58,936
0804731F	112	GENERAL SKILL TRAINING	23,067	23,067	23,067		23,067
0909900F	113	FINANCING FOR EXPIRED ACCOUNT ADJUSTMENTS	323	323	323		323
0909980F	114	JUDGMENT FUND REIMBURSEMENT	100,000	100,000	100,000		100,000
1001004F	115	INTERNATIONAL ACTIVITIES	3,945	3,945	3,945		3,945

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0605024F	116	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY	7,858	7,858			7,858
0101113F	117	B-52 SQUADRONS	25,766	25,766			25,766
0101120F	118	ADVANCED CRUISE MISSILE	7,740	7,740			7,740
0101122F	119	AIR-LAUNCHED CRUISE MISSILE (ALCM)	11,837	11,837			11,837
0101313F	120	STRAT WAR PLANNING SYSTEM - USSTRATCOM ISPA(N) contractor costs	23,391	23,391		-5,000	18,391
0101314F	121	NIGHT FIST - USSTRATCOM	4,987	4,987			4,987
0101815F	122	ADVANCED STRATEGIC PROGRAMS	8,393	8,393			8,393
0102326F	123	REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION PROG	19,047	19,047			19,047
0203761F	124	WARRFIGHTER RAPID ACQUISITION PROCESS (WRAP) RAPID TRANSITION I	24,935	24,935			24,935
0207028F	125	JOINT EXPEDITIONARY FORCE EXPERIMENT					
0207131F	126	A-10 SQUADRONS	22,590	22,590			27,590
		A-10 propulsion modernization			[10,000]	[5,000]	
0207133F	127	F-16 SQUADRONS	99,606	99,606			99,606
0207134F	128	F-15E SQUADRONS	115,246	132,446			129,846
0207136F	129	ACTIVE ELECTRONICALLY SCANNED ARRAY RADAR	16,976	16,976			16,976
0207138F	130	MANNED DESTRUCTIVE SUPPRESSION	354,528	354,528			344,528
		FA-22 SQUADRONS					
		Execution					
0207141F	131	F-117A SQUADRONS	29,661	29,661			29,661
0207161F	132	TACTICAL AIM MISSILES	5,558	5,558			5,558
0207163F	133	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	33,266	33,266			33,266
0207224F	134	COMBAT RESCUE AND RECOVERY	12,342	12,342			12,342

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0207247F	135	AF TENCAP GPS jammer detection and locator system	10,673	10,673	15,673	3,300 [3,300]	13,973
0207248F	136	SPECIAL EVALUATION PROGRAM	199,040	199,040	199,040	5,000	199,040
0207253F	137	COMPASS CALL	3,990	3,990	3,990	3,990	3,990
0207268F	138	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	165,609	165,609	165,609	165,609	165,609
0207277F	139	CSAF INNOVATION PROGRAM	1,879	1,879	1,879	1,879	1,879
0207325F	140	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)	45,777	45,777	45,777	45,777	45,777
0207410F	141	AIR & SPACE OPERATIONS CENTER (AOC)	27,695	27,695	27,695	27,695	27,695
0207412F	142	CONTROL AND REPORTING CENTER (CRC)	11,634	11,634	11,634	11,634	11,634
0207417F	143	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)	288,787	288,787	288,787	288,787	288,787
0207423F	144	ADVANCED COMMUNICATIONS SYSTEMS	20,066	20,066	20,066	20,066	20,066
0207424F	145	EVALUATION AND ANALYSIS PROGRAM	249,391	249,391	249,391	249,391	249,391
0207433F	146	ADVANCED PROGRAM TECHNOLOGY	37,210	37,210	37,210	37,210	37,210
0207438F	147	THEATER BATTLE MANAGEMENT (TBM) C4I	50,976	50,976	50,976	50,976	50,976
0207445F	148	FIGHTER TACTICAL DATA LINK	120,256	120,256	120,256	120,256	120,256
0207446F	149	BOMBER TACTICAL DATA LINK	B-52 program growth				
0207448F	150	C2ISR TACTICAL DATA LINK	25,441	25,441	25,441	25,441	25,441
0207449F	151	COMMAND AND CONTROL (C2) CONSTELLATION	44,035	44,035	44,035	44,035	44,035
020758F	152	JOINT SURVEILLANCE/TARGET ATTACK RADAR SYSTEM (JSTARS)	89,247	100,247	89,247	89,247	89,247
0207590F	153	Blue Force Combat ID Upgrades	[11,000]				
		SEEK EAGLE	23,159	23,159	23,159	23,159	23,159

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0207591F	154	ADVANCED PROGRAM EVALUATION Classified program	474,734	474,734	474,734	-40,000 [-40,000]	434,734
0207601F	155	USAF MODELING AND SIMULATION	18,693	18,693	18,693		18,693
0207605F	156	WARGAMING AND SIMULATION CENTERS	6,377	6,377	6,377		6,377
0208006F	157	MISSION PLANNING SYSTEMS Program growth	136,701	136,701	136,701	-30,000 [-30,000]	106,701
0208021F	158	INFORMATION WARFARE SUPPORT	7,230	7,230	7,230		7,230
0208160F	159	TECHNICAL EVALUATION SYSTEM					
0208161F	160	SPECIAL EVALUATION SYSTEM					
0301310F	161	NATIONAL AIR INTELLIGENCE CENTER	[]	[]	[]		
0301314F	162	COBRA BALL	[]	[]	[]		
0301315F	163	MISSILE AND SPACE TECHNICAL COLLECTION	[]	[]	[]		
0301324F	164	FOREST GREEN	[]	[]	[]		
0301398F	165	MANAGEMENT HEADQUARTERS GDIP	[]	[]	[]		
0302015F	166	E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC)	11,172	11,172	11,172		11,172
0303110F	167	DEFENSE SATELLITE COMMUNICATIONS SYSTEM (SPACE)	33,183	33,183	33,183		33,183
0303131F	168	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEEC)	79,625	87,625	87,625	6,500 [2,500]	86,125
0303140F	169	INFORMATION SYSTEMS SECURITY PROGRAM Cyber security research				[5,000] [3,000]	[2,000]
		Info systems security research				[8,000]	
		Worldwide Infrastructure Security Environment				[18,637]	
0303141F	170	GLOBAL COMBAT SUPPORT SYSTEM	18,637	18,637	18,637		18,637

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0303150F	171	GLOBAL COMMAND AND CONTROL SYSTEM Global awareness presentation system Applied Research in Computing Enterprise Services	3,611	5,611	11,611 [8,000]	1,800 [1,800]	5,411
0303401F	172	COMMUNICATIONS SECURITY (COMSEC)	[2,000]	272,149	272,149		272,149
0303601F	173	MILSATCOM TERMINALS	[]	[]			
0304111F	174	SPECIAL ACTIVITIES	[]	[]			
0304311F	175	SELECTED ACTIVITIES	[]	[]			
0305099F	176	GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	7,291	7,291	7,291	7,291	7,291
0305110F	177	SATELLITE CONTROL NETWORK (SPACE)	17,833	17,833	20,833 [3,000]	2,500 [2,500]	20,333
0305111F	178	Civil reserve space service	16,526	16,526	16,526	16,526	16,526
0305114F	179	WEATHER SERVICE	7,371	7,371	7,371	7,371	7,371
0305116F	180	AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCALS)	5,178	5,178	5,178	5,178	5,178
0305128F	181	AERIAL TARGETS	484	484	484	484	484
0305142F	182	SECURITY AND INVESTIGATIVE ACTIVITIES	[]	[]			
0305142F	183	APPLIED TECHNOLOGY AND INTEGRATION	7,905	7,905	7,905	7,905	7,905
0305148F	183	AIR FORCE TACTICAL MEASUREMENT AND SIGNATURE INTELLIGENCE (F)	219,345	219,345	219,345	-30,000 [-30,000]	189,345
0305159F	184	DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES (SPACE) Classified adjustment	[]	[]			
0305160F	185	DEFENSE METEOROLOGICAL SATELLITE PROGRAM (SPACE)	104,114	104,114	104,114	104,114	104,114
0305164F	186	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE)	148,344	148,344	148,344	148,344	148,344
0305165F	187	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENT)	[]	[]			
0305172F	188	COMBINED ADVANCED APPLICATIONS	411	411	411	411	411
0305174F	189	SPACE WARFARE CENTER					

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0305182F	190	SPACELIFT RANGE SYSTEM (SPACE)	47,253	47,253	47,253	47,253	47,253
0305191F	191	PERSONNEL SECURITY INVESTIGATIONS PROGRAM - AIR FORCE	118,787	118,787	118,787	118,787	118,787
0305193F	192	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)	1,097	1,097	1,097	1,097	1,097
0305202F	193	DRAGON U-2 (JMIP)	87,745	81,445	87,745	87,745	87,745
0305205F	194	ENDURANCE UNMANNED AERIAL VEHICLES	[6,300]	[6,300]	[6,300]	[6,300]	[6,300]
		Network Centric Collaborative Targeting	[2,000]	[2,000]	[2,000]	[2,000]	[2,000]
0305206F	195	AIRBORNE RECONNAISSANCE SYSTEMS	55,464	55,464	55,464	55,464	55,464
0305207F	196	MANNED RECONNAISSANCE SYSTEMS	13,283	24,783	13,283	13,283	16,483
		Geo Processor	[4,000]	[4,000]	[4,000]	[4,000]	[4,000]
		COBRA BALL	[7,500]	[7,500]	[7,500]	[7,500]	[7,500]
0305208F	197	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	21,232	21,232	21,232	21,232	21,232
0305219F	198	PREDATOR UAV (JMIP)	81,346	81,346	81,346	81,346	81,346
0305220F	199	GLOBAL HAWK UAV (JMIP)	336,159	318,159	336,159	336,159	336,159
		Program decrease	[18,000]	[18,000]	[18,000]	[18,000]	[18,000]
0305887F	200	INTELLIGENCE SUPPORT TO INFORMATION WARFARE	963	963	963	963	963
		Program decrease					
0305906F	201	NCMC - TW/AA SYSTEM	64,822	64,822	64,822	64,822	64,822
0305910F	202	SPACETRACK (SPACE)	161,838	170,838	172,538	-21,600	140,238
		Air Force Space Surveillance System	[9,000]	[10,700]	[5,400]	[5,400]	[5,400]
		Block 10 contract savings					
		SBSS delay					
0305911F	203	DEFENSE SUPPORT PROGRAM (SPACE)					

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0305913F	204	NUDET DETECTION SYSTEM (SPACE)	35,398	35,398	35,398		35,398
0305917F	205	SPACE ARCHITECT	12,907	12,907	12,907		12,907
0308601F	206	MODELING AND SIMULATION SUPPORT					
0308699F	207	SHARED EARLY WARNING (SEW)	3,345	3,345	3,345		3,345
0401115F	208	C-130 AIRLIFT SQUADRON	150,242	153,242	150,242	2,000	152,242
		Realtime Weight and Balance Measurement	[3,000]			[2,000]	
0401119F	209	C-5 AIRLIFT SQUADRON (IF)	332,982	332,982	332,982		332,982
0401130F	210	C-17 AIRCRAFT (IF)	199,692	199,692	199,692		199,692
0401132F	211	C-130 PROGRAM	36,305	36,305	36,305		36,305
0401134F	212	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM)	73,684	73,684	73,684		73,684
0401218F	213	KC-135S	1,079	1,079	1,079		1,079
0401219F	214	KC-10S	18,452	9,352	18,452	-18,452	
		KC-10 GATM		[9,100]		[18,452]	
0408011F	215	SPECIAL TACTICS / COMBAT CONTROL	1,067	1,067	1,067		1,067
0702207F	216	DEPOT MAINTENANCE (NON-AF)	1,431	1,431	1,431		1,431
0702816F	217	ACQUISITION AND MANAGEMENT SUPPORT	1,596	1,596	1,596		1,596
0708011F	218	INDUSTRIAL PREPAREDNESS	38,012	38,012	42,512	3,200	41,212
		Aircraft batteries					
		Advanced nanomaterials research					
0708012F	219	LOGISTICS SUPPORT ACTIVITIES					
0708026F	220	PRODUCTIVITY, RELIABILITY, AVAILABILITY, MAINTAIN. PROG OFC (PRA					
					[1,300]	[1,900]	
					[2,500]		

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0708611F	221	SUPPORT SYSTEMS DEVELOPMENT Modular fuel cell architecture development Unmanned aging aircraft maintenance	50,238	50,238	57,238	3,000 [2,000]	53,238
0708612F	222	COMPUTER RESOURCES SUPPORT IMPROVEMENT PROGRAM (CRSIP)	110	110	110		110
0808716F	223	OTHER PERSONNEL ACTIVITIES					
0901212F	224	SERVICE-WIDE SUPPORT (NOT OTHERWISE ACCOUNTED FOR)					
0901218F	225	CIVILIAN COMPENSATION PROGRAM	7,272	7,272	7,272		7,272
0901538F	226	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT CLASSIFIED PROGRAMS	15,732	15,732	15,732		15,732
XXXXXXXXX999			5,551,279	5,551,279	5,551,279		5,551,279
		Financial information systems			-11,500		
		Total, RDT&E Air Force	21,114,667	21,532,967	21,264,267	-681,734	20,432,933

Transformational satellite communications

The budget request included \$674.8 million in PE 63845F for transformational military satellite communications (TSAT).

The House bill would authorize a decrease of \$100.0 million in PE 63845F.

The Senate amendment would authorize a decrease of \$100.0 million in PE 63845F.

The conferees agree to authorize \$374.8 million in PE 63845F, a decrease of \$300.0 million.

The conferees strongly support the objectives of the TSAT program, including much higher communications capacity, assured connectivity for a much larger number of mobile and fixed forces, and the ability to protect these capabilities against emerging threats. The conferees, however, have had continuing concerns related to the risk of the current acquisition approach and potential program delays, which the conferees believe could elevate operational risks resulting from gaps in the military satellite communications (MILSATCOM) architecture.

The conferees are aware of program options that could leverage both current MILSATCOM program investments and TSAT development efforts. The conferees believe that such an approach could accelerate the deployment of advanced communications capabilities, provide the opportunity to incrementally demonstrate advanced satellite communications technology, and provide a lower risk path to meeting TSAT requirements. The conferees believe that such an approach is potentially more consistent with spiral development and capabilities-based acquisition.

The conferees direct the Secretary of Defense to evaluate modified TSAT acquisition strategies that streamline the program structure and leverage current MILSATCOM investment, and to provide a report to the congressional defense committees on that evaluation by March 1, 2005.

Space based radar

The budget request included \$327.7 million in PE 63858F for space based radar (SBR).

The House bill would authorize the budget request.

The Senate amendment would authorize the budget request.

The conferees agree to authorize \$75.0 million in PE 63858F for SBR, a decrease of \$252.7 million.

The conferees believe that the United States must continue to improve its space-based and airborne intelligence, reconnaissance, and surveillance (ISR) systems; and believe that persistent surveillance will be critical to future U.S. military and intelligence capabilities. The conferees note that space based radar can make a significant contribution to persistent surveillance and that radars provide the only all weather,

day/night ISR capabilities.

While strongly supportive of radar satellites, the conferees are concerned that the Air Force cost estimates for the notional SBR architecture that served as the basis for the fiscal year 2005 budget request were very high. If accurate, these estimates could render the system unaffordable.

The conferees believe that affordability will be critically dependent on the development and deployment of a single radar satellite system to meet both military and intelligence community needs and the thorough integration of space based radar ISR capabilities into a system of systems architecture that includes air assets, other national technical means, responsive space assets, and possibly near-space assets. Such an integration will have direct and significant implications for the capabilities needed in any one element of a system of systems. The conferees believe that an integrated architecture, that leverages and evolves existing architectures as well as innovative technologies, will provide greater capabilities earlier and at a more affordable cost.

Consequently, the conferees believe that the number of satellites and technical capabilities needed in an SBR system, and how an SBR system might evolve over time, is critically dependent on a more complete understanding of an integrated ISR system. The conferees direct that the SBR effort be restructured to focus on continued technology maturation (including satellite integration), architectural analysis, and system evolution. The conferees further direct the Secretary of Defense to submit a report to the congressional defense committees no later than March 1, 2005, outlining the key features and programmatic implications of an ISR system of systems architecture that includes national technical means and other space, air, responsive space, near-space and terrestrial systems.

Space based infrared system

The budget request included \$508.4 million in PE 64441F for the space based infrared system (SBIRS).

The House bill would authorize the budget request.

The Senate amendment would authorize the budget request.

The conferees agree to authorize an increase of \$35.0 million in PEG4441F.

The conferees remain concerned with continued SBIRS cost increases, schedule delays, and technical problems. The conferees note that the initial 1996 cost estimate for SBIRS was \$3.6 billion; that estimate has increased by nearly \$4 billion in the last three years and is now \$10.0 billion. While strongly supportive of the development of next generation early warning capabilities, the conferees do not believe that continuation of this program can be justified if such increases continue in the future. The conferees direct the Secretary of Defense to provide

a report in classified and unclassified form to the congressional defense committees no later than February 1, 2005 on the cause of the most recent SBIRS cost increases, schedule delays, and technical problems; the most recent Defense Support Program gap analysis and any effect that further delays will have on U.S. early warning, technical intelligence, and missile defense capabilities; steps taken to address the most recent SBIRS technical difficulties; any adjustments in management and contract arrangements with the contractor to reflect the most recent program challenges; remaining risk areas; and an assessment of the confidence level in the SBIRS schedule and cost estimates current as of October 1, 2004.

DEFENSE-WIDE

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

The budget request for fiscal year 2005 included an authorization of \$20,739.8 million in Research, Development, Test and Evaluation, Defense-wide for the Department of Defense.

The House bill would authorize \$20,721.3 million.

The Senate amendment would authorize \$20,654.4 million.

The conferees recommend an authorization of \$20,252.9 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2005 Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE-WIDE							
0601101D8Z	1	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	143,729	148,729	151,229	9,900	153,629
0601101E	2	DEFENSE RESEARCH SCIENCES					
		Molecular electronics			[2,500]	[1,900]	
		Infectious disease research			[2,000]	[1,000]	
		Nanophotonics systems research			[2,000]	[2,000]	
		Novel energetic materials			[1,000]		
		Optoelectronics and Optical Communications					
		Super Lattice Nanotechnology					
0601103D8Z	3	UNIVERSITY RESEARCH INITIATIVES					
0601105D8Z	4	FORCE HEALTH PROTECTION					
0601108D8Z	5	HIGH ENERGY LASER RESEARCH INITIATIVES					
0601111D8Z	6	GOVERNMENT/INDUSTRY COSPONSORSHIP OF UNIVERSITY RESEARCH					
0601114D8Z	7	DEFENSE EXPERIMENTAL PROGRAM TO STIMULATE COMPETITIVE RESE,	9,590	9,590	7,000	7,000	7,000
06011384BP	8	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	36,769	51,769	[7,000]	[7,000]	9,590
0602227D8Z	9	Basic Research Initiative	9,668	19,668	[15,000]	[11,000]	47,769
		MEDICAL FREE ELECTRON LASER			[10,000]	[8,000]	
		Medical free electron laser			[9,000]		
0602228D8Z	10	HISTORICALLY BLACK COLLEGES AND UNIVERSITIES (HBCU) SCIENCE	14,192	14,192	17,668	9,000	18,668
0602234D8Z	11	LINCOLN LABORATORY RESEARCH PROGRAM	25,441	25,441	25,441	25,441	25,441
0602301E	12	COMPUTING SYSTEMS AND COMMUNICATIONS TECHNOLOGY	342,614	322,614	342,614	342,614	342,614
0602302E	13	EMBEDDED SOFTWARE AND PERVERSIVE COMPUTING					

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0602383E	14	BIOLOGICAL WARFARE DEFENSE Biodefense research	147,533	157,533	150,533	3,000	150,533	
		Asymmetric Protocols		[10,000]	[3,000]	[1,000]		
0602384BP	15	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM Mustard gas antidote	104,385	129,385	114,285	33,350	137,735	
		Bioinformatics			[3,000]	[3,000]		
		Chemical agent persistence models			[2,000]	[2,000]		
		Neurotoxin mitigation research (S. Amdt 3241)			[2,900]	[2,900]		
		Applied Research Initiative			[2,000]	[1,000]		
0602702E	16	TACTICAL TECHNOLOGY Stimulated Isomer Energy Release	339,175	300,175	314,175	-12,200		
		Automated battle management			[4,000]	[4,000]		
		Novel sensors			[-10,000]	[-10,000]		
		HEDlight			[-3,000]	[-3,200]		
		Laser star			[-3,000]	[-3,000]		
		Walrus Hybrid Airlift Vehicle					[10,000]	
		High-speed/Hypersonic reusable demonstration					[15,000]	
		Program Reduction						[10,000]
		Combat zones that see						[2,000]

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0602712E	17	MATERIALS AND ELECTRONICS TECHNOLOGY Bio-based nanosensors Unjustified growth	502,044	492,044	479,044 [2,000]	-3,500 [-25,000]	498,544
0602716BR	18	WMD DEFEAT TECHNOLOGY BioFabrication Program Reduction	249,786	259,786	249,786	[-5,500]	249,786
0602717BR	19	WMD DEFENSE TECHNOLOGIES	116,113 [10,000]	116,113	116,113	0	116,113
0602787D8Z	20	MEDICAL TECHNOLOGY Pseudofolliculitis Barbae	10,084	10,084 [100]	10,184	0	10,084
0602890D8Z	21	HIGH ENERGY LASER RESEARCH	13,109	16,109	13,109	2,500	15,609
1160401BB	22	SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT	3,000	3,000	2,500	0	2,500
1160407BB	23	SOF MEDICAL TECHNOLOGY DEVELOPMENT	2,162	2,162	2,162	0	2,162
0603002D8Z	24	MEDICAL ADVANCED TECHNOLOGY Anti-radiation Drug and Trials Program	2,063	7,063 [5,000]	5,063	1,500	3,563
0603104D8Z	25	Radiation casualty research (S. Amdt 3157)	0	0	0	0	0
0603121D8Z	26	EXPLOSIVES DEMILITARIZATION TECHNOLOGY	32,682	32,682	32,682	0	32,682
0603122D8Z	27	SO/LIC ADVANCED DEVELOPMENT COMBATING TERRORISM TECHNOLOGY SUPPORT	46,719	74,219 [10,000]	56,719	13,500 [7,000]	60,219
		Blast mitigation					
		SVS Collaborative and Virtual Reality Training Pilot					
		Advanced Combating Terrorism Technology					
			[2,500] [25,000]				

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0603160BR	28	COUNTERPROLIFERATION INITIATIVES - PROLIFERATION PREVENTION A:	74,456	74,456	79,456	5,000	79,456
		Portable radiation search tool			[5,000]		
0603175C	29	BALLISTIC MISSILE DEFENSE TECHNOLOGY	204,320	208,320	211,120	6,100	210,420
		Massively parallel optical interconnects		[4,000]	[4,000]	[3,400]	
		Radiation hardened CMOS			[3,300]	[2,700]	
		Radiation hardened CMOS (S. Andt 3228)			[500]		
0603225D8Z	30	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT	23,319	23,319	23,319		23,319
0603232D8Z	31	AUTOMATIC TARGET RECOGNITION	361,067	306,067	321,067	-37,500	323,567
0603285E	32	ADVANCED AEROSPACE SYSTEMS					
		Unjustified growth					
		Reduction - Orbital Express project					
		Program Reduction					
		Wains Hybrid Airlift Vehicle					
		Transfer to 63122D8Z					
		RASCAL					
		CAV					
0603384BP	33	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - ADVANCED DEVELOI	117,343	152,343	126,843	38,250	155,593
		Anthrax and plague oral vaccine development			[6,000]	[2,800]	
		Water quality sensors			[3,500]	[2,600]	
		Advanced Technology Development Initiative					
0603400D8Z	34	JOINT UNMANNED COMBAT AIR SYSTEMS (J-UCAS) ADVANCED TECHNOL	284,617	284,617	284,617		284,617
0603704D8Z	35	SPECIAL TECHNICAL SUPPORT					
0603711BR	36	ARMS CONTROL TECHNOLOGY					

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0603712S	37	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS	27,542	29,542	47,042	18,150	45,692
		Ferite technology			[2,500]	[2,500]	
		Support of legacy systems			[2,000]	[2,000]	
		Multi-purpose airframe support system			[2,500]	[1,400]	
		Vehicle fuel cell program			[7,000]	[5,250]	
		Supply chain surge/shortage			[2,500]	[2,500]	
		Microelectronics testing and technology			[2,000]	[3,000]	
		Connectory for Rapid ID of Tech Resources			[56,936]	[36,936]	
		STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM			9,936	9,936	
		JOINT WARFIGHTING PROGRAM			218,151	213,151	
		ADVANCED ELECTRONICS TECHNOLOGIES				[207,151]	
		Unjustified growth				[-11,000]	
		Program Reduction					
		ADVANCED CONCEPT TECHNOLOGY DEMONSTRATIONS			[5,000]		
		HARDWARE			213,901	213,901	
		Hardware encryption device				[2,000]	
		HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM			186,666	192,666	
		High performance computing visualization				[190,666]	
		Simulation center upgrade				[4,000]	
		COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS			[6,000]	[2,000]	
		Unjustified growth			225,784	205,784	
		Program Reduction					
		Space Based Networking					

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0603762E	44	SENSOR AND GUIDANCE TECHNOLOGY Unjustified growth Program Reduction	337,117	312,117	322,117	-3,000	334,117
		ISIS	[25,000]			[-3,000]	
0603763E	45	MARINE TECHNOLOGY	63,121	63,121	63,121		63,121
0603764E	46	LAND WARFARE TECHNOLOGY	238,131	213,131	238,131		238,131
0603765E	47	CLASSIFIED DARPA PROGRAMS					
		Program Reduction	[25,000]				
0603766E	48	NETWORK-CENTRIC WARFARE TECHNOLOGY	125,124	110,124	125,124		125,124
		Program Reduction	[15,000]				
0603769E	49	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT	13,756	13,756	13,756		13,756
0603781D8Z	50	SOFTWARE ENGINEERING INSTITUTE	21,599	21,599	21,599		21,599
0603805S	51	DUAL USE APPLICATION PROGRAMS					
0603826D8Z	52	QUICK REACTION SPECIAL PROJECTS	64,389	169,389	74,389	5,300	69,689
		IED Electronic Counter Measures and Jammers	[30,000]				
		Optical Surveillance Systems	[25,000]				
		Quick Reaction Counter Rocket and Mortar Capability	[50,000]				
		Combat casualty technologies (S. Amdt 3264)					
0603832D8Z	53	JOINT WARGAMING SIMULATION MANAGEMENT OFFICE	46,017	46,017	46,017		46,017
0603924D8Z	54	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM					
0603942D8Z	55	TECHNOLOGY LINK	1,934	1,934	1,934		1,934
0605160D8Z	56	COUNTERPROLIFERATION SUPPORT	1,958	1,958	7,958		1,958
		Nuclear physical security	[6,000]				

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1160402BB	57	SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT Remote Sensor Power Source Advanced ID Capability for AC-130U ANGELFIRE Active Protection	48,803	64,803 [4,000] [3,000] [6,000] [3,000]	48,803	7,000	55,803
0603228D8Z	58	SURVEILLANCE AUGMENTATION VEHICLE - Insertable on Request					
0603228D8Z	59	PHYSICAL SECURITY EQUIPMENT	11,771	11,771	11,771	11,771	
0603709D8Z	60	JOINT ROBOTICS PROGRAM ADVANCED SENSOR APPLICATIONS PROGRAM Program increase	17,581	35,581 [10,000] [3,000] [5,000]	17,581 [10,000] [3,000] [2,100]	9,150 [5,500] [1,500]	26,731
0603736D8Z	61	MULTI-WAVELENGTH SURFACE SCANNING BIOLGICS SENSOR Advanced Solid State Dye Laser					
0603851D8Z	62	CALS INITIATIVE ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM Unexploded ordnance detection using airborne GPR Enhanced techniques for the detection of explosives (ETDE)	32,546	32,546 [4,700] [3,000]	40,246	40,246	32,546
0603869C	63	MEADS CONCEPTS	256,159	206,159 [-50,000]	256,159	-25,000 [-25,000]	231,159
0603879C	64	ADVANCED CONCEPTS, EVALUATIONS AND SYSTEMS Reduce programmed growth					
0603880C	65	BALLISTIC MISSILE DEFENSE SYSTEM SEGMENT	937,748	984,748	937,748	937,748	
0603881C	66	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT Arrow coproduction (non-additive) Program increase		[47,000]	[80,000]	[68,000]	



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06033882C	67	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT	4,384,775	4,414,775	4,424,775	[75,000] [-35,000]	[75,000] [-28,000]
		GMD enhancements				[30,000]	[15,000] [-28,000]
		GMD long lead					492,614
		Solid State S Band Radar					104,195
		Long lead materials for interceptors #31-40					591,957
06033883C	68	BALLISTIC MISSILE DEFENSE BOOST DEFENSE SEGMENT	492,614	492,614	492,614		104,195
06033884BP	69	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	104,195	104,195	104,195		600,957
06033884C	70	BALLISTIC MISSILE DEFENSE SENSORS	591,957	540,957	611,957	[15,000] [5,000]	[9,000] [9,000]
		Airborne infrared system					
		E-2C infrared search and track (IRST)					
		Program decrease					
06033886C	71	Post Ramos Project	511,262	396,262	311,262	[200,000]	-163,000
		BALLISTIC MISSILE DEFENSE SYSTEM INTERCEPTOR					
		Kinetic energy interceptor					
		Program decrease					
		BMD System Interceptor Program (H. Amdt 10)					
		Boost Phase Hit-to-Kill					
		Reduce programmed growth					
06033888C	72	BALLISTIC MISSILE DEFENSE TEST & TARGETS	713,658	713,658	713,658		713,658
06033889C	73	BALLISTIC MISSILE DEFENSE PRODUCTS	418,608	358,608	423,608	[5,000] [12,500]	-13,500 [12,500]
		Joint National Integration Center					
		Program decrease					
		D					

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0603890C	74	BALLISTIC MISSILE DEFENSE SYSTEMS CORE Corporate lethality program Program decrease	479,764	449,764	474,764	-74,000	405,764
0603910D8Z	75	STRATEGIC CAPABILITY MODERNIZATION Wide Bandwidth Technology (non-additive) System engineering and integration national team unjustified growth		[~-30,000] [4,000]		[1,000] [-75,000]	
060xxxx1D8Z	75A	Operationally responsive satellite payloads		25,000			
06039201D8Z	76	HUMANITARIAN DEMINING	13,747	13,747	13,747		13,747
0603923D8Z	77	COALITION WARFARE	5,886	5,886	5,886		5,886
0604400D8Z	78	JOINT UNMANNED COMBAT AIR SYSTEMS (J-LUCAS) ADVANCED COMPOUND Program restructure	422,873	422,873	422,873	-200,000	222,873
						[~-200,000]	
0604722D8Z	79	JOINT SERVICE EDUCATION AND TRAINING SYSTEMS DEVELOPMENT REDUCTION OF TOTAL OWNERSHIP COST	27,351	27,351	27,351	-27,351	-27,351
0605017D8Z	80	Lack of program justification		6,679	6,679		6,679
0303191D8Z	81	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM		167,626			
	81a	Joint Experimentation		26			
	81b	Joint Warfare Experiments		22,450			
	81c	Joint Warfare Transformation Programs		165,379	159,379	-11,500	140,879
0604384BP	82	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM Joint Biological Point Detection System JSLSCAD Joint Service Lightweight Standoff Chemical Agent Detector JCAD - Cancellation	152,379	[5,000] [2,000]	[5,000] [8,000]	[3,500] [-15,000]	

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0604618D8Z	83	MANPADS DEFENSE PROGRAM Program decrease	14,135	[-14,135]	14,135	-6,500 [-6,500]	7,635
0604709D8Z	84	JOINT ROBOTICS PROGRAM	13,845	13,845	13,845		13,845
0604764K	85	ADVANCED IT SERVICES JOINT PROGRAM OFFICE (AITS-JPO)	18,183	18,183	18,183		18,183
0604771D8Z	86	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	18,515	18,515	18,515		18,515
0604861C	87	THEATER HIGH-ALTITUDE AREA DEFENSE SYSTEM -TMD					
0604865C	88	PATRIOT PAC-3 THEATER MISSILE DEFENSE ACQUISITION	10,683	10,683	10,683		10,683
0605013BL	89	INFORMATION TECHNOLOGY DEVELOPMENT					
0605013D8Z	90	PROTOTYPE ACCOUNTING SYSTEMS	52,407	52,407	52,407		52,407
0605014SE	91	INFORMATION TECHNOLOGY DEVELOPMENT	6,690	6,690	6,690		6,690
0605015BL	92	INFORMATION TECHNOLOGY DEVELOPMENT-STANDARD PROCUREMENT	94,767	45,767 [-49,000]	94,767	-45,000 [-45,000]	49,767
0605016D8Z	93	FINANCIAL MANAGEMENT SYSTEM IMPROVEMENTS Program decrease					
0303129K	94	DEFENSE MESSAGE SYSTEM	6,623	6,623	6,623		6,623
0303140K	95	INFORMATION SYSTEMS SECURITY PROGRAM	2,493	2,493	2,493		2,493
0303141K	96	GLOBAL COMBAT SUPPORT SYSTEM	17,867	17,867	17,867		17,867
0303158K	97	JOINT COMMAND AND CONTROL PROGRAM (JC2)	3,000	3,000	3,000		3,000
0305840K	98	ELECTRONIC COMMERCE	3,466	3,466	3,466		3,466
0305840S	99	ELECTRONIC COMMERCE	2,345	2,345	2,345		2,345
0901200D8Z	100	BMM/P DOMAIN MANAGEMENT AND SYSTEMS INTEGRATION	7,472	7,472	7,472		7,472
0603704D8Z	101	SPECIAL TECHNICAL SUPPORT	19,274	19,274	8,000 [8,000]	27,274	
0603757D8Z	102	Classified Adjustment TRAINING TRANSFORMATION (T2)					

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0603835D8Z 103		TRANSFORMATION INITIATIVES PROGRAM Program reduction	9,977	9,977	9,977	-9,977 [-9,977]	
0603858D8Z 104		UNEEXPLODED ORDNANCE DETECTION AND CLEARANCE	19,691	19,691	19,691	19,691	
0604774D8Z 105		DEFENSE READINESS REPORTING SYSTEM (DRRS)	4,989	4,989	4,989	4,989	
0604875D8Z 106		JOINT SYSTEMS ARCHITECTURE DEVELOPMENT	7,263	7,263	7,263	7,263	
0604943D8Z 107		THERMAL VICAR	30,618	31,618	25,618	1,000	31,618
0605104D8Z 108		TECHNICAL STUDIES, SUPPORT AND ANALYSIS			[5,000]		
		Unjustified growth			[1,000]		
0605110BR 169		NDU Technology Pilot Program	1,937	1,937	1,937	1,937	
0605114D8Z 110		CRITICAL TECHNOLOGY SUPPORT	21,535	21,535	21,535	21,535	
0605116D8Z 111		BLACK LIGHT					
0605117D8Z 112		GENERAL SUPPORT TO C3I					
0605117D8Z 112		FOREIGN MATERIAL ACQUISITION AND EXPLOITATION	35,572	35,572	35,572	35,572	
0605122D8Z 113		INTERAGENCY EXPORT LICENSE AUTOMATION	5,882	5,882	5,882	5,882	
0605124D8Z 114		DEFENSE TRAVEL SYSTEM	28,508	28,508	28,508	28,508	
06051261 115		JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION	86,409	86,409	86,409	86,409	
0605128D8Z 116		CLASSIFIED PROGRAM USD(P)	35,633	37,183	35,633	36,633	
0605130D8Z 117		FOREIGN COMPARATIVE TESTING			[1,550]	[1,000]	
		Weather SCOUT UAV			11,490	13,690	
0605170D8Z 118		SUPPORT TO NETWORKS AND INFORMATION INTEGRATION			11,490	1,100	12,590
		Command Information Superiority Architectures Program			[2,200]	[1,100]	
0605200D8Z 119		GENERAL SUPPORT TO USD (INTELLIGENCE)	4,830	4,830	4,830	4,830	

1.000
4,830
12,590

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<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2005 Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
0605384BP	120	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM Management support cost growth	42,632	42,632	42,632	-5,000 [-5,000]	37,652
0605502BR	121	SMALL BUSINESS INNOVATION RESEARCH					
0605502C	122	SMALL BUSINESS INNOVATIVE RESEARCH - MDA					
0605502DZ	123	SMALL BUSINESS INNOVATIVE RESEARCH					
0605502E	124	SMALL BUSINESS INNOVATIVE RESEARCH					
0605710DBZ	125	CLASSIFIED PROGRAMS - C3I Foreign Supplier Assessment Center					
0605790DZ	126	SMALL BUSINESS INNOVATION RESEARCH/CHALLENGE ADMINISTRATION	1,999	1,999	1,999	1,999	1,999
0605798S	127	DEFENSE TECHNOLOGY ANALYSIS	7,279	7,279	8,279	8,279	7,279
		Global research watch					
0605799DZ	128	FORCE TRANSFORMATION DIRECTORATE Operationally Responsive Satellite	19,591	44,591	19,591	20,000	39,591
		Operationally Responsive Satellite (line 75A)	[25,000]	[25,000]	[20,000]	[20,000]	[20,000]
0605801K	129	DEFENSE TECHNICAL INFORMATION SERVICES (DTIC)	45,203	45,203	45,203	45,203	45,203
0605803SE	130	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVALUATION	10,598	10,598	10,598	10,598	10,598
0605804DZ	131	DEVELOPMENT TEST AND EVALUATION	8,882	8,882	8,882	8,882	8,882
0605898E	132	MANAGEMENT HQ - R&D	46,689	46,689	46,689	46,689	46,689
0303169DZ	133	INFORMATION TECHNOLOGY RAPID ACQUISITION	19,958	2,958	19,958	-14,958 [-14,958]	5,000
		Rapid Acquisition Process	[17,000]	[17,000]	[17,000]	[17,000]	[17,000]
0305193DZ	134	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)	12,878	12,878	12,878	12,878	12,878
0305193G	135	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)	[]	[]	[]	[]	[]
0901585C	136	PENTAGON RESERVATION	13,884	13,884	13,884	13,884	13,884

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(Dollars in Thousands)

<u>Account</u>	<u>Line</u>	<u>Program Title</u>		<u>FY2005 Request</u>	<u>Hous. Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
0901598C	137	MANAGEMENT HQ - MDA Reduce programmed growth		141,923	141,923	141,923	-25,000 [-25,000]	116,923
0901598DB8W	138	IT SOFTWARE DEV INITIATIVES		1,700	1,700	1,700		1,700
0909999E	139	FINANCING FOR CANCELLED ACCOUNT ADJUSTMENTS						
XXXXXXXXXX	999	Classified Programs increase						
0604805DBZ	140	COMMERCIAL OPERATIONS AND SUPPORT SAVINGS INITIATIVE		20,400				
0605127T	141	PARTNERSHIP FOR PEACE (PFP) INFORMATION MANAGEMENT SYSTEM		6,995	6,995	6,995		6,995
0607384BP	142	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVEL		2,178	2,178	2,178		2,178
0208043J	143	CLASSIFIED PROGRAMS		1,663	1,663	1,663		1,663
0208045K	144	C4I INTEROPERABILITY		41,074	41,074	41,074		41,074
0208052J	145	JOINT ANALYTICAL MODEL IMPROVEMENT PROGRAM		5,577	5,577	5,577		5,577
0300205R	146	INFORMATION TECHNOLOGY SYSTEMS		[]	[]	[]		
0301011G	147	CRYPTOLOGIC ACTIVITIES		[]	[]	[]		
0301301L	148	GENERAL DEFENSE INTELLIGENCE PROGRAM		[]	[]	[]		
0301318BB	149	HUMINT (CONTROLLED)		[]	[]	[]		
0301398L	150	MANAGEMENT HEADQUARTERS GDIP, DIA		[]	[]	[]		
0301555BB	151	CLASSIFIED PROGRAMS		[]	[]	[]		
0301556BB	152	SPECIAL PROGRAM		[]	[]	[]		
0302016K	153	NATIONAL MILITARY COMMAND SYSTEM-WIDE SUPPORT		1,240	1,240	1,240		1,240
0302019K	154	DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATION		2,517	2,517	2,517		2,517
0303126K	155	LONG-HAUL COMMUNICATIONS - DCS		11,401	11,401	11,401		11,401
0303127K	156	SUPPORT OF THE NATIONAL COMMUNICATIONS SYSTEM						
0303131K	157	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEEC		7,261	7,261	7,261		7,261

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<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2005 Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
0303140D8Z	158	INFORMATION SYSTEMS SECURITY PROGRAM	11,135	11,135	11,135	11,135	11,135
0303140G	159	INFORMATION SYSTEMS SECURITY PROGRAM	477,846	477,846	477,846	477,846	477,846
0303149J	160	C4I FOR THE WARRIOR	4,177	4,177	4,177	4,177	4,177
0303149K	161	C4I FOR THE WARRIOR	24,712	24,712	24,712	24,712	24,712
0303150K	162	GLOBAL COMMAND AND CONTROL SYSTEM	43,693	43,693	43,693	43,693	43,693
0303153K	163	JOINT SPECTRUM CENTER	18,941	18,941	18,941	18,941	18,941
0303165K	164	DEFENSE COLLABORATION TOOL SUITE (DCTS)	8,503	8,503	8,503	8,503	8,503
0303170K	165	NET-CENTRIC ENTERPRISE SERVICES (NCES)	52,059	52,059	52,059	52,059	52,059
0303610K	166	TELEPORT PROGRAM	10,272	10,272	10,272	10,272	10,272
0304210BB	167	SPECIAL APPLICATIONS FOR CONTINGENCIES	20,758	20,758	20,758	20,758	20,758
0304345BQ	168	NATIONAL IMAGERY AND MAPPING PROGRAM	[]	[]	[]	-200	[]
0305102BQ	169	DEFENSE IMAGERY AND MAPPING PROGRAM TPED of SYERS-2	[3,000] [3,200]	[3,000] [3,200]	[3,000] [3,200]	28,021	28,021
0305125D8Z	170	National Geospatial-Intelligence Agency CRITICAL INFRASTRUCTURE PROTECTION (CIP)	[]	[]	[]	28,021	28,021
0305127BZ	171	FOREIGN COUNTERINTELLIGENCE ACTIVITIES	32,939	32,939	32,939	32,939	32,939
0305127V	172	FOREIGN COUNTERINTELLIGENCE ACTIVITIES	[]	[]	[]	32,939	32,939
0305146BZ	173	DEFENSE JOINT COUNTERINTELLIGENCE PROGRAM (JMIP)	[]	[]	[]	32,939	32,939
0305146DBZ	174	DEFENSE JOINT COUNTERINTELLIGENCE PROGRAM (JMIP)	[]	[]	[]	32,939	32,939
0305183L	175	DEFENSE HUMINT PROGRAM (DHIP)	[]	[]	[]	32,939	32,939
0305190D8Z	176	C3I INTELLIGENCE PROGRAMS	[]	[]	[]	32,939	32,939
0305191D8Z	177	TECHNOLOGY DEVELOPMENT	[]	[]	[]	32,939	32,939
0305193G	178	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)	[]	[]	[]	32,939	32,939

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<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2005 Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
0305193L	179	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)	[]	144,222	214,222	-80,000	134,222
0305199DZ	180	NET CENTRICITY					
		Program decrease					
		Horizontal Fusion program reduction					
0305202G	181	DRAFON U-2 (JIMIP)	[]				
0305206G	182	AIRBORNE RECONNAISSANCE SYSTEMS	[]				
0305207G	183	MANNED RECONNAISSANCE SYSTEMS	[]				
0305208BQ	184	DISTRIBUTED COMMON GROUND SYSTEMS	[]				
0305208G	185	DISTRIBUTED COMMON GROUND SYSTEMS	[]				
0305208L	186	DISTRIBUTED COMMON GROUND SYSTEMS	[]				
0305883L	187	HARD AND DEEPLY BURIED TARGET INTEL SUPPORT	[]				
		Enhanced ISR					
0305884L	188	INTELLIGENCE PLANNING AND REVIEW ACTIVITIES	[]				
		Measures and Signatures Intelligence Consortium	[]				
0305885G	189	TACTICAL CRYPTOLOGIC ACTIVITIES	[]				
0305889G	190	COUNTERDRUG INTELLIGENCE SUPPORT	[]				
0305917DZ	191	NATIONAL SECURITY SPACE ARCHITECT (NSSA)	[]				
0708011S	192	INDUSTRIAL PREPAREDNESS	11,005	23,205	16,005	4,500	15,505
		Advanced manufacturing technologies					
		Advanced manufacturing technologies (S Amdt 3157)					
0708012S	193	Smart Machine Platform Initiative	[12,200]				
0902298J	194	LOGISTICS SUPPORT ACTIVITIES	11,389	11,389	11,389	11,389	
		MANAGEMENT HEADQUARTERS (JCS)	22,421	22,421	22,421	22,421	



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<u>Account</u>	<u>Line</u>	<u>Program Title</u>	<u>FY2005 Request</u>	<u>House Authorized</u>	<u>Senate Authorized</u>	<u>Conference Change</u>	<u>Conference Authorized</u>
1001018D8Z	195	NATO JOINT STARS					
1160279BB	196	SMALL BUSINESS INNOVATIVE RESEARCH/SMALL BUS TECH TRANSFER	30,399	30,399	30,399		30,399
1160401BB	197	SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT					
1160402BB	198	SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT	311,966	311,966	316,866	-28,500	283,466
1160404BB	199	SPECIAL OPERATIONS TACTICAL SYSTEMS DEVELOPMENT LAW confined space			[4,900]	[-10,000]	
		Underexecution				[-18,500]	
		C.A.P Program	25,015	25,015	32,015	5,800	30,815
		SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT			[5,000]	[3,800]	
		Wireless management and control project			[2,000]	[2,000]	
		Joint Threat Warning System maritime variants (S. Amdt 3471)					
1160405BB	200	SOF MEDICAL TECHNOLOGY DEVELOPMENT	57,643	57,643	61,643	1,400	59,043
		SOF OPERATIONAL ENHANCEMENTS			[4,000]	[1,400]	
		Tactical computer system development	3,578,082	3,583,082	3,578,082		3,578,082
		CLASSIFIED PROGRAMS			[5,000]		
		Program Increase					
		Financial information systems				-10,500	
		Total, RDT&E Defense-Wide	20,739,837	20,721,254	20,654,437	-486,986	20,252,851

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Chemical and biological defense basic research program

The budget request included \$36.8 million in PE 61384BP for chemical and biological defense program basic research.

The House bill would authorize an increase of \$15.0 million in PE 61384BP for a chemical and biological defense basic research initiative.

The Senate amendment would authorize the budget request.

The conferees agree to authorize an increase of \$11.0 million in PE 61384BP for a chemical and biological defense basic research initiative. The conferees note that projects and technologies to be considered for funding under the chemical and biological defense basic research initiative should be selected on the basis of technical merit and potential operational utility. The conferees recommend that the projects and technologies to be considered for funding under the chemical and biological defense basic research initiative should include, but not be limited to, the following: engineered pathogen identification and countermeasures, multipurpose biodefense immunoarrays and fluorescence activated sensing technologies.

Chemical and biological defense applied research program

The budget request included \$104.4 million in PE 62384BP for chemical and biological defense program applied research.

The House bill would authorize an increase of \$25.0 million in PE 62384BP for a chemical and biological defense applied research initiative.

The Senate amendment would authorize an increase of \$8.9 million in PE 62384BP, including \$3.0 million for mustard gas antidotes; \$2.0 million for bioinformatics; \$2.0 million for neurotoxin mitigation research; and \$2.9 million for chemical agent persistence models.

The conferees agree to authorize an increase of \$33.4 million in PE 62384BP for chemical and biological defense program applied research, including \$3.0 million for mustard gas antidote; \$2.0 million for bioinformatics; \$1.0 million for neurotoxin mitigation research; \$2.9 million chemical agent persistence models; and \$24.5 million for a chemical and biological applied research initiative.

The conferees note that projects and technologies to be considered for funding under the chemical and biological defense program applied research initiative should be selected on the basis of technical merit and potential operational utility. The conferees recommend that the projects and technologies to be considered for funding under the chemical and biological defense applied research initiative should include, but not be limited to, the following: air contamination monitoring systems; hand-held detectors; heat shock protein vaccine creation processes; low-cost chemical-biological protective shelters; membrane

research for next generation chemical-biological protective suits; rapid anti-body based biological countermeasures; and rapid decontamination systems for nerve agents.

Stimulated isomer energy release

The budget request included \$339.2 million in PE 62702E for tactical technology applied research, including \$4.0 million for the Defense Advanced Research Project Agency's (DARPA) stimulated isomer energy release (SIER) project.

The House bill and the Senate amendment would reduce the budget request for the SIER project by \$4.0 million. The House bill also directed the Secretary of Defense to terminate the project.

The conferees agree to authorize no funds for continuation of the DARPA SIER project and direct that the DARPA project be terminated.

Combating terrorism technology support

The budget request included \$46.7 million in PE 63122D8Z for combating terrorism technology support programs.

The House bill would authorize an increase of \$27.5 million in PE 63122D8Z for combating terrorism technology support programs, including \$25.0 million for advanced combating terrorism technology support.

The Senate amendment would authorize an increase of \$10.0 million in PE 63122D8Z for blast mitigation research. The conferees agree to authorize an increase of \$13.5 million in PE 63122D8Z for combating terrorism technology support, including \$7.0 million for blast mitigation; \$5.0 million for advanced combating terrorism technology support; and \$1.5 million for combating terrorism intelligence, surveillance, and reconnaissance research.

Chemical and biological defense program advanced technology development

The budget request included \$117.3 million in PE 63384BP for the chemical and biological defense program for advanced technology development.

The House bill would authorize an increase of \$35.0 million in PE 63384BP for a chemical and biological defense program advanced technology initiative.

The Senate amendment would authorize an increase of \$9.5 million for chemical and biological defense program advanced technology development, including \$6.0 million for anthrax and plague oral vaccine development; and \$3.5 million for water quality sensors.

The conferees agree to authorize an increase of \$38.3

million for chemical and biological defense program for advanced technology development, including \$32.9 million for an advanced technology development initiative; \$2.8 million for anthrax and plague oral vaccine development; and \$2.6 million for water quality sensors.

The conferees note that projects and technologies to be considered for funding under the chemical and biological defense advanced technology development initiative should be selected on the basis of technical merit and potential operational utility. The conferees recommend that the projects and technologies to be considered for funding under the chemical and biological defense basic research initiative should include, but not be limited to, the following: hand-held biological detection systems; immuno biological/chemical threat agent detectors; non-invasive vectored vaccine development; and recombinant protein vaccines.

Airborne laser

The budget request included \$474.3 million in PE 63883C for the airborne laser (ABL).

The House bill would authorize the budget request.

The Senate amendment would authorize the budget request.

The conferees agree to authorize the budget request.

The conferees remain convinced of the importance of boost phase intercept in the ballistic missile defense architecture, and note that ABL has potentially revolutionary capabilities. The conferees also note that, in response to consistent cost overruns and schedule delays, the program has been restructured to reflect these difficulties and its developmental nature. The conferees applaud this restructuring and are aware of progress in recent months toward achieving key milestones in the ABL program, particularly first light from conjoined laser modules. The conferees note that demonstrated progress in these areas will be critical to the continuation of the ABL effort.

The conferees direct the Secretary of Defense to provide a report to the congressional defense committees by February 15, 2005 that provides the status of ABL laser tests and the beam control/fire control system and recommendations on the future of the ABL program.

Kinetic energy interceptor

The budget request included \$511.3 million in PE 63886C for the kinetic energy interceptor (KEI) and associated boost phase intercept efforts.

The House bill authorized a decrease of \$75.0 million in PE 63886C.

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

The conferees agree to authorize \$348.3 million in PE

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63886C, a decrease of \$163.0 million.

The conferees remain convinced that the KEI could be an important aspect of the overall ballistic missile defense architecture, potentially contributing intercept capabilities in boost, midcourse, and terminal phases of the threat missile flight. The conferees are concerned, however, with the lack of progress in defining basing modes. The conferees note that:

- 1) recent justifications for the KEI ground-based variant suggest that it might serve as the basis for midcourse intercept capability in Europe. At the same time, however, the budget request included \$35.0 million for additional ground-based interceptors (GBI) for the ground-based midcourse defense element that could be deployed in Europe; and
- 2) consideration of sea-based concepts of operations and platforms do not appear to be progressing.

The conferees direct the Director of the Missile Defense Agency to provide a report to the congressional defense committees by February 1, 2005 that includes planned ground- and sea-basing modes for KEI (including specific sea-based platforms) and the concept of operations for each basing mode; how KEI will enhance ballistic missile defense system capabilities; the role KEI may play in European missile defense and how that role relates to the fielding of additional GBIs; and a comparison of anticipated sea-based KEI capabilities with other sea-based missile defense options.

Operationally responsive space

The budget request included \$19.6 million in PE 65799D8Z for the force transformation directorate, but no funds for operationally responsive satellite payloads and busses.

The House bill would authorize an increase of \$25.0 million in PE 65799D8Z for operationally responsive satellite payloads.

The Senate amendment would authorize \$25.0 million in a new program element for operationally responsive satellite payloads.

The conferees believe that smaller, less expensive satellites may provide a means of achieving more rapid and effective deployment of space-based military capabilities than is now possible. The conferees are encouraged by Air Force efforts to develop small, low-cost space launch vehicles as an essential step for enabling the launch of such satellites, but are concerned that the effort to develop viable payloads for these rockets is not adequately funded. The conferees note that the Office of Transformation is working with the Air Force Research Laboratory to develop lightweight, experimental tactical satellites (TACSATs), but that this effort lacks dedicated funding. The conferees also believe that the development of standards, protocols, and interfaces for common satellite bus components will be key to producing affordable small satellites.

The conferees agree to authorize \$39.6 million in PE 65799D8Z, an increase of \$20.0 million, for further development of TACSATs and common small satellite bus components. The conferees expect, consistent with section 913 of this Act, that future funding requests for operationally responsive payloads will be forwarded in a separate and dedicated program element.

TEST AND EVALUATION

Operational Test and Evaluation, Defense Overview

The budget request for fiscal year 2005 included an authorization of \$305.1 million in Operational Test and Evaluation, Defense for the Department of Defense.

The House bill would authorize \$305.1 million.

The Senate amendment would authorize \$309.1 million.

The conferees recommend an authorization of \$304.1 million. Unless noted explicitly in the statement of managers, all changes are made without prejudice.

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OPERATIONAL TEST & EVALUATION, DEFENSE							
0603941D8Z	1	TEST & EVALUATION SCIENCE & TECHNOLOGY Execution/delays	16,295	16,295		-1,500	14,795
0604940D8Z	2	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIP) Autonomous unmanned surface vessel	123,362	123,362	126,562 [3,000]	1,500 [1,500]	125,062
0605118D8Z	3	OPERATIONAL TEST AND EVALUATION	42,390	42,390	42,390		42,390
0605131D8Z	4	LIVE FIRE TESTING Joint Test and Training Rapid Advanced Capabilities	10,209	10,209	11,209 [1,000]	1,000 [1,000]	11,209
0605804D8Z	5	DEVELOPMENT TEST AND EVALUATION Threat systems	112,679	112,679	112,679 [-2,000]	-2,000 [-2,000]	110,679
Total, Operational Test & Evaluation, Defense							
			305,135	305,135	309,135	-1,000	304,135
TOTAL RDT&E							
			67,772,288	68,090,361	68,608,688	-1,274,530	66,497,758

