

XEROX

## **DIVISION C – DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018**

The following is an explanation of the effects of this Act, which makes appropriations for the Department of Defense for fiscal year 2018. The joint explanatory statement accompanying this division is approved and indicates congressional intent. Unless otherwise noted, the language set forth in House Report 115-219 warrants full compliance and carries the same weight as language included in this joint explanatory statement unless specifically addressed to the contrary in the bill or this joint explanatory statement. While some language is repeated for emphasis, this explanatory statement does not intend to negate the language referred to above unless expressly provided herein.

### **DEFINITION OF PROGRAM, PROJECT, AND ACTIVITY**

For the purposes of the Balanced Budget and Emergency Deficit Control Act of 1985 (Public Law 99-177), as amended by the Balanced Budget and Emergency Deficit Control Reaffirmation Act of 1987 (Public Law 100-119), and by the Budget Enforcement Act of 1990 (Public Law 101-508), the terms “program, project, and activity” for appropriations contained in this Act shall be defined as the most specific level of budget items identified in the Department of Defense Appropriations Act, 2018, the related classified annexes and explanatory statements, and the P-1 and R-1 budget justification documents as subsequently modified by congressional action.

The following exception to the above definition shall apply: the military personnel and the operation and maintenance accounts, for which the term “program, project, and

activity” is defined as the appropriations accounts contained in the Department of Defense Appropriations Act.

At the time the President submits the budget request for fiscal year 2019, the Secretary of Defense is directed to transmit to the congressional defense committees budget justification documents to be known as the “M-1” and the “O-1” which shall identify, at the budget activity, activity group, and sub-activity group level, the amounts requested by the President to be appropriated to the Department of Defense for military personnel and operation and maintenance in any budget request, or amended budget request, for fiscal year 2019.

#### REPROGRAMMING GUIDANCE

The Secretary of Defense is directed to continue to follow the reprogramming guidance for acquisition accounts as specified in the report accompanying the House version of the Department of Defense Appropriations bill for Fiscal Year 2008 (House Report 110-279). The dollar threshold for reprogramming funds shall be \$10,000,000 for military personnel; \$20,000,000 for operation and maintenance; \$20,000,000 for procurement; and \$10,000,000 for research, development, test and evaluation.

Also, the Under Secretary of Defense (Comptroller) is directed to continue to provide the congressional defense committees annual DD Form 1416 reports for titles I and II and quarterly, spreadsheet-based DD Form 1416 reports for Service and defense-wide accounts in titles III and IV of this Act. Reports for titles III and IV shall comply with guidance specified in the explanatory statement accompanying the Department of Defense Appropriations Act, 2006. The Department shall continue to follow the limitation that prior approval reprogrammings are set at either the specified dollar threshold or 20 percent of the procurement or research, development, test and evaluation

line, whichever is less. These thresholds are cumulative from the base for reprogramming value as modified by any adjustments. Therefore, if the combined value of transfers into or out of a military personnel (M-1), an operation and maintenance (O-1), a procurement (P-1), or a research, development, test and evaluation (R-1) line exceeds the identified threshold, the Secretary of Defense must submit a prior approval reprogramming to the congressional defense committees. In addition, guidelines on the application of prior approval reprogramming procedures for congressional special interest items are established elsewhere in this statement.

#### FUNDING INCREASES

The funding increases outlined in the tables for each appropriation account shall be provided only for the specific purposes indicated in the tables.

#### CONGRESSIONAL SPECIAL INTEREST ITEMS

Items for which additional funds have been provided or items for which funding is specifically reduced as shown in the project level tables or in paragraphs using the phrase “only for” or “only to” are congressional special interest items for the purpose of the Base for Reprogramming (DD Form 1414). Each of these items must be carried on the DD Form 1414 at the stated amount, as specifically addressed in the explanatory statement.

## CLASSIFIED ANNEX

Adjustments to classified programs are addressed in the accompanying classified annex.

### SERVICE UNFUNDED REQUIREMENTS LISTS

The House and Senate Defense Appropriations Subcommittees recognize that each military Service submits an annual unfunded requirements list to the congressional defense committees that provides insight into requirements that may have been excluded from the budget request due to budgetary constraints. However, the lists are often divided into various categories of items, thereby obscuring the true prioritization of the requests. The Chiefs of Staff of the Army and the Air Force, the Chief of Naval Operations, and the Commandant of the Marine Corps are directed to provide their individual Service unfunded requirements in consolidated priority lists for future budget submissions.

### RAPID ACQUISITION AUTHORITY

The Secretary of Defense or his designee, in conjunction with the Under Secretary of Defense (Comptroller), is directed to provide to the congressional defense committees, not later than 5 days following notification of the Secretary's intent to execute or previous application of Rapid Acquisition Authority (RAA), the following: the documented requirement intended to be addressed by use of RAA; the Service or defense agency charged with implementing the material solution identified; the identification of funds affected by the use of RAA by appropriations account, line, and/or program



element, to include outyear funding requirements by fiscal year; an explanation as to why source funds are available to fund this higher priority item; and details of, and justification for, the contract type or other transaction authority being utilized.

In addition, the Under Secretary of Defense (Comptroller) is directed to provide to the congressional defense committees a complete accounting of the use of RAA by fiscal year not later than 30 days after the end of each fiscal year. The Under Secretary of Defense (Comptroller) is further directed to provide guidance to the Services and defense agencies to appropriately identify previously received RAA funds and items funded in budget exhibits and briefings provided to the congressional defense committees in support of Department of Defense budget requests and, where appropriate, to update the Financial Management Regulation to that effect. Finally, it is noted that funds for RAA initiatives often are executed in place within the program identified as the funding source regardless of the original purpose for which funds were appropriated or the urgent requirement being addressed, and without any apportionment documents being generated. The Under Secretary of Defense (Comptroller) is directed to provide a briefing on the impact of RAA funding mechanisms on Financial Improvement and Audit Readiness efforts to the congressional defense committees not later than 60 days after the enactment of this Act.

#### BUDGETING FOR THE JOINT IMPROVISED-THREAT DEFEAT ORGANIZATION

The fiscal year 2018 budget request includes \$14,442,000 in base appropriations and \$483,058,000 in overseas contingency operations appropriations for the Joint Improvised-Threat Defeat Organization (JIDO) in the Joint Improvised-Threat Defeat Fund (JITDF). In addition, the fiscal year 2018 budget request includes \$97,788,000 in the Operation and Maintenance, Defense-Wide base appropriation for the JIDO,

reflecting the transition of the activities, functions, and resources of the Joint Improvised-Threat Defeat Agency (JIDA) to the JIDO under the authority, direction, and control of the Defense Threat Reduction Agency, as directed by Congress and implemented as of September 30, 2016.

The agreement includes no funds in base or overseas contingency operations appropriations in the JITDF. Instead, funding for the JIDO is recommended in the Operation and Maintenance, Defense-Wide; Procurement, Defense-Wide; and Research, Development, Test and Evaluation, Defense-Wide overseas contingency operations appropriations accounts only for the purpose of allowing the Director of JIDO to investigate, develop, and provide equipment, supplies, services, training, facilities, personnel, and funds to assist United States forces in the defeat of improvised explosive devices in accordance with JIDO's fiscal year 2018 budget execution plans, as subsequently adjusted.

The Director, Office of Management and Budget, Under Secretary of Defense (Comptroller), and Director, Cost Assessment and Program Evaluation are directed to assist the Director, Defense Threat Reduction Agency and Director, JIDO to ensure a seamless transition of funding for JIDO from the JITDF to regular appropriation accounts in fiscal year 2018 without negatively impacting the mission of JIDO. Funds still available in the JITDF and its predecessor account, the Joint Improvised Explosive Device Defeat Fund (JIEDDF) remain available for execution consistent with prior year guidance. It is expected that the JITDF and JIEDDF will be terminated once those balances liquidate or expire, whichever comes first.

## CYBERSPACE ACTIVITIES

The Under Secretary of Defense (Comptroller), the Department of Defense Chief Information Officer, and the Service Secretaries are directed, with the fiscal year 2020 budget submission, to initiate the establishment of individual cyberspace activity projects for research, development, test and evaluation accounts; individual cyberspace activity sub-activity groups for operation and maintenance accounts; and individual budget line items for procurement accounts. Funds that cross capability lines and are more appropriately documented within non-cyberspace activity projects, sub-activity groups, and line items may continue to be reported as such, but should include specific cyber language and resource amounts within the appropriate non-cyberspace operation and maintenance; procurement; and research, development, test and evaluation budget justification material and shall be referenced in any cyberspace justification materials. Such inclusion of cyber activities in non-cyber projects, sub-activity groups, and line items shall be carried out in the most limited manner as possible to meet congressional intent.

Funding appropriated for cyberspace activities as defined by the classified cyberspace activities information technology investment budget request for fiscal year 2018 may only be used for such activities. The Secretary of Defense is directed to use normal prior approval reprogramming procedures to obligate funding appropriated to the operation and maintenance; procurement; or research, development, test and evaluation accounts for cyberspace activities for any other purpose. The Chief Information Officer is directed to submit to the House and Senate Defense Appropriations Subcommittees two reports not later than May 30, 2018, and November 30, 2018, that provide the mid-year and end of fiscal year financial obligation and execution data for cyberspace activities for the previous and current fiscal years.

## TITLE I - MILITARY PERSONNEL

The agreement provides \$133,367,397,000 in Title I, Military Personnel, as follows:

~~(INSERT MILPERS RECAP TABLE)~~

insert 8A

### SUMMARY OF MILITARY PERSONNEL END STRENGTH

	Fiscal year 2017 authorized	Budget Request	Fiscal year 2018		
			Final Bill	Change from request	Change from fiscal year 2017
<b>Active Forces (End Strength)</b>					
Army.....	476,000	476,000	483,500	7,500	7,500
Navy.....	323,900	327,900	327,900	---	4,000
Marine Corps.....	185,000	185,000	186,000	1,000	1,000
Air Force.....	321,000	325,100	325,100	---	4,100
<b>Total, Active Forces.....</b>	<b>1,305,900</b>	<b>1,314,000</b>	<b>1,322,500</b>	<b>8,500</b>	<b>16,600</b>
<b>Guard and Reserve Forces (End Strength)</b>					
Army Reserve.....	199,000	199,000	199,500	500	500
Navy Reserve.....	58,000	59,000	59,000	---	1,000
Marine Corps Reserve.....	38,500	38,500	38,500	---	---
Air Force Reserve.....	69,000	69,800	69,800	---	800
Army National Guard.....	343,000	343,000	343,500	500	500
Air National Guard.....	105,700	106,600	106,600	---	900
<b>Total, Selected Reserve.....</b>	<b>813,200</b>	<b>815,900</b>	<b>816,900</b>	<b>1,000</b>	<b>3,700</b>
<b>Total, Military Personnel.....</b>	<b>2,119,100</b>	<b>2,129,900</b>	<b>2,139,400</b>	<b>9,500</b>	<b>20,300</b>

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
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RECAPITULATION		
MILITARY PERSONNEL, ARMY.....	41,533,674	41,628,855
MILITARY PERSONNEL, NAVY.....	28,917,918	28,772,118
MILITARY PERSONNEL, MARINE CORPS.....	13,278,714	13,231,114
MILITARY PERSONNEL, AIR FORCE.....	28,962,740	28,790,440
RESERVE PERSONNEL, ARMY.....	4,804,628	4,715,608
RESERVE PERSONNEL, NAVY.....	2,000,362	1,988,362
RESERVE PERSONNEL, MARINE CORPS.....	766,703	764,903
RESERVE PERSONNEL, AIR FORCE.....	1,824,334	1,802,554
NATIONAL GUARD PERSONNEL, ARMY.....	8,379,376	8,264,626
NATIONAL GUARD PERSONNEL, AIR FORCE.....	3,413,187	3,408,817
GRAND TOTAL, MILITARY PERSONNEL.....	133,881,636	133,367,397
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**SUMMARY OF GUARD AND RESERVE FULL-TIME STRENGTH**

	Fiscal year 2017 authorized	Budget Request	Fiscal year 2018		
			Final Bill	Change from request	Change from fiscal year 2017
<b>Active Guard and Reserve:</b>					
Army Reserve .....	16,261	16,261	16,261	---	---
Navy Reserve .....	9,955	10,101	10,101	---	146
Marine Corps Reserve .....	2,261	2,261	2,261	---	---
Air Force Reserve .....	2,955	3,588	3,588	---	633
Army National Guard .....	30,155	30,155	30,155	---	---
Air National Guard .....	14,764	16,260	16,260	---	1,496
<b>Total, Full-Time Support.....</b>	<b>76,351</b>	<b>78,626</b>	<b>78,626</b>	<b>---</b>	<b>2,275</b>

**MILITARY PERSONNEL OVERVIEW**

The agreement provides the resources required for an additional 8,500 active forces and 1,000 selected reserve forces, as authorized by current law and above the requested end strength levels, in order to meet operational needs for fiscal year 2018. The agreement also provides the funding necessary to support a 2.4 percent pay raise for all military personnel, as authorized, effective January 1, 2018.

**REPROGRAMMING GUIDANCE FOR MILITARY PERSONNEL ACCOUNTS**

The Secretary of Defense is directed to submit the Base for Reprogramming (DD Form 1414) for each of the fiscal year 2018 appropriations accounts not later than 60 days after the enactment of this Act. The Secretary of Defense is prohibited from executing any reprogramming or transfer of funds for any purpose other than originally appropriated until the aforementioned report is submitted to the House and Senate Defense Appropriations Subcommittees.

The Secretary of Defense is directed to use the normal prior approval reprogramming procedures to transfer funds in the Services' military personnel accounts between budget activities in excess of \$10,000,000.

#### MILITARY PERSONNEL SPECIAL INTEREST ITEMS

Items for which additional funds have been provided or have been specifically reduced as shown in the project level tables or in paragraphs using the phrase "only for" or "only to" in the explanatory statement are congressional special interest items for the purpose of the Base for Reprogramming (DD Form 1414). Each of these items must be carried on the DD Form 1414 at the stated amount as specifically addressed in the explanatory statement. Below Threshold Reprogrammings may not be used to either restore or reduce funding from congressional special interest items as identified on the DD Form 1414.

MILITARY PERSONNEL, ARMY

The agreement provides \$41,628,855,000 for Military Personnel, Army, as follows:

~~(INSERT COMPUTER TABLE)~~ *e*

~~(INSERT PROJECT LEVEL TABLE)~~ *insert 11A-D*



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
50 MILITARY PERSONNEL, ARMY		
100 ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS		
150 BASIC PAY.....	7,024,696	7,024,696
200 RETIRED PAY ACCRUAL.....	1,998,990	1,998,990
220 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	76,094	76,094
250 BASIC ALLOWANCE FOR HOUSING.....	2,178,830	2,178,830
300 BASIC ALLOWANCE FOR SUBSISTENCE.....	285,298	285,298
350 INCENTIVE PAYS.....	85,272	85,272
400 SPECIAL PAYS.....	378,874	378,874
450 ALLOWANCES.....	182,527	182,527
500 SEPARATION PAY.....	107,732	107,732
550 SOCIAL SECURITY TAX.....	534,396	534,396
600 TOTAL, BUDGET ACTIVITY 1.....	12,852,709	12,852,709
650 ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL		
700 BASIC PAY.....	12,948,769	12,948,769
750 RETIRED PAY ACCRUAL.....	3,686,753	3,686,753
770 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	136,998	136,998
800 BASIC ALLOWANCE FOR HOUSING.....	4,588,794	4,588,794
850 INCENTIVE PAYS.....	94,105	94,105
900 SPECIAL PAYS.....	1,294,027	1,274,027
950 ALLOWANCES.....	713,047	713,047
1000 SEPARATION PAY.....	484,510	484,510
1050 SOCIAL SECURITY TAX.....	990,581	990,581
1100 TOTAL, BUDGET ACTIVITY 2.....	24,937,584	24,917,584
1150 ACTIVITY 3: PAY AND ALLOWANCES OF CADETS		
1200 ACADEMY CADETS.....	82,393	82,393

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
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1250	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL	
1300	BASIC ALLOWANCE FOR SUBSISTENCE.....	1,254,144 1,254,144
1350	SUBSISTENCE-IN-KIND.....	606,660 606,660
1400	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE.....	601 601
1450	TOTAL, BUDGET ACTIVITY 4.....	1,861,405 1,861,405
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1500	ACTIVITY 5: PERMANENT CHANGE OF STATION	
1550	ACCESSION TRAVEL.....	179,209 169,209
1600	TRAINING TRAVEL.....	150,368 150,368
1650	OPERATIONAL TRAVEL.....	379,251 379,251
1700	ROTATIONAL TRAVEL.....	730,865 730,865
1750	SEPARATION TRAVEL.....	273,871 273,871
1800	TRAVEL OF ORGANIZED UNITS.....	4,170 4,170
1850	NON-TEMPORARY STORAGE.....	12,653 12,653
1900	TEMPORARY LODGING EXPENSE.....	36,983 36,983
1950	TOTAL, BUDGET ACTIVITY 5.....	1,767,370 1,757,370
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2000	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS	
2050	APPREHENSION OF MILITARY DESERTERS.....	309 309
2100	INTEREST ON UNIFORMED SERVICES SAVINGS.....	160 160
2150	DEATH GRATUITIES.....	40,700 40,700
2200	UNEMPLOYMENT BENEFITS.....	107,682 107,682
2250	EDUCATION BENEFITS.....	16,091 16,091
2300	ADOPTION EXPENSES.....	603 603
2350	TRANSPORTATION SUBSIDY.....	7,884 7,884
2400	PARTIAL DISLOCATION ALLOWANCE.....	64 64
2450	RESERVE OFFICERS TRAINING CORPS (ROTC).....	101,008 101,008
2500	JUNIOR ROTC.....	28,037 28,037
2550	TOTAL, BUDGET ACTIVITY 6.....	302,538 302,538
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113

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
2600 LESS REIMBURSABLES.....	-270,325	-270,325
2650 UNDISTRIBUTED ADJUSTMENT.....	---	-106,419
2660 MILITARY PAY RAISE.....	---	63,600
2670 AUTHORIZED END STRENGTH INCREASE.....	---	168,000
	=====	=====
2700 TOTAL, ACTIVE FORCES, ARMY.....	41,533,674	41,628,855
6300 TOTAL, MILITARY PERSONNEL, ARMY.....	41,533,674	41,628,855
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(11C)

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

<b>M-1</b>	<b>Budget Request</b>	<b>Final Bill</b>
<b>BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL</b>		
<b>SPECIAL PAYS</b>	<b>1,294,027</b>	<b>1,274,027</b>
Excess growth		-20,000
<b>BA-5: PERMANENT CHANGE OF STATION TRAVEL</b>		
<b>ACCESSION TRAVEL</b>	<b>179,209</b>	<b>169,209</b>
Excess growth		-10,000
<b>UNDISTRIBUTED ADJUSTMENTS</b>		<b>125,181</b>
Enlisted workyear variance		-31,299
Authorized end strength increase		168,000
Historical unobligated balances		-75,120
Military pay raise		63,600

(11D)

MILITARY PERSONNEL, NAVY

The agreement provides \$28,772,118,000 for Military Personnel, Navy, as follows:

~~(INSERT COMPUTER TABLE)~~ *e*

~~(INSERT PROJECT LEVEL TABLE)~~ insert 12A-D

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
6400 MILITARY PERSONNEL, NAVY		
6450 ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS		
6500 BASIC PAY.....	4,250,732	4,250,732
6550 RETIRED PAY ACCRUAL.....	1,209,645	1,209,645
6560 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	46,944	46,944
6600 BASIC ALLOWANCE FOR HOUSING.....	1,554,695	1,554,695
6650 BASIC ALLOWANCE FOR SUBSISTENCE.....	171,681	171,681
6700 INCENTIVE PAYS.....	131,251	131,251
6750 SPECIAL PAYS.....	445,426	445,426
6800 ALLOWANCES.....	120,469	120,469
6850 SEPARATION PAY.....	43,709	43,709
6900 SOCIAL SECURITY TAX.....	324,231	324,231
6950 TOTAL, BUDGET ACTIVITY 1.....	8,298,783	8,298,783
7000 ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL		
7050 BASIC PAY.....	9,165,195	9,165,195
7100 RETIRED PAY ACCRUAL.....	2,611,852	2,611,852
7120 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	102,201	102,201
7150 BASIC ALLOWANCE FOR HOUSING.....	4,382,826	4,382,826
7200 INCENTIVE PAYS.....	104,363	104,363
7250 SPECIAL PAYS.....	798,735	796,735
7300 ALLOWANCES.....	589,072	589,072
7350 SEPARATION PAY.....	138,013	138,013
7400 SOCIAL SECURITY TAX.....	701,137	701,137
7450 TOTAL, BUDGET ACTIVITY 2.....	18,593,394	18,591,394
7500 ACTIVITY 3: PAY AND ALLOWANCES OF MIDSHIPMEN		
7550 MIDSHIPMEN.....	81,501	81,501

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
7600 ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL		
7650 BASIC ALLOWANCE FOR SUBSISTENCE.....	803,889	803,889
7700 SUBSISTENCE-IN-KIND.....	415,383	415,383
7750 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE.....	10	10
7800 TOTAL, BUDGET ACTIVITY 4.....	1,219,282	1,219,282
7850 ACTIVITY 5: PERMANENT CHANGE OF STATION		
7900 ACCESSION TRAVEL.....	92,004	92,004
7950 TRAINING TRAVEL.....	88,677	88,677
8000 OPERATIONAL TRAVEL.....	219,686	219,686
8050 ROTATIONAL TRAVEL.....	347,267	347,267
8100 SEPARATION TRAVEL.....	118,410	118,410
8150 TRAVEL OF ORGANIZED UNITS.....	30,884	30,884
8200 NON-TEMPORARY STORAGE.....	12,673	12,673
8250 TEMPORARY LODGING EXPENSE.....	17,850	17,850
8350 TOTAL, BUDGET ACTIVITY 5.....	927,451	927,451
8400 ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS		
8450 APPREHENSION OF MILITARY DESERTERS.....	59	59
8500 INTEREST ON UNIFORMED SERVICES SAVINGS.....	1,162	1,162
8550 DEATH GRATUITIES.....	18,500	18,500
8600 UNEMPLOYMENT BENEFITS.....	65,326	65,326
8650 EDUCATION BENEFITS.....	16,736	16,736
8700 ADOPTION EXPENSES.....	223	223
8750 TRANSPORTATION SUBSIDY.....	4,926	4,926
8800 PARTIAL DISLOCATION ALLOWANCE.....	10	10
8900 RESERVE OFFICERS TRAINING CORPS (ROTC).....	20,536	20,536
8950 JUNIOR ROTC.....	15,410	15,410
9000 TOTAL, BUDGET ACTIVITY 6.....	142,888	142,888

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
9050 LESS REIMBURSABLES.....	-345,381	-345,381
9100 UNDISTRIBUTED ADJUSTMENT.....	---	-186,000
9170 MILITARY PAY RAISE.....	---	42,200
	=====	=====
9200 TOTAL, ACTIVE FORCES, NAVY.....	28,917,918	28,772,118
11000 TOTAL, MILITARY PERSONNEL, NAVY.....	28,917,918	28,772,118
	=====	=====



**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

<b>M-1</b>	<b>Budget Request</b>	<b>Final Bill</b>
<b>BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL</b>		
<b>SPECIAL PAYS</b>	<b>798,735</b>	<b>796,735</b>
Excess growth		-2,000
<b>UNDISTRIBUTED ADJUSTMENTS</b>		<b>-143,800</b>
Historical unobligated balances		-186,000
Military pay raise		42,200

MILITARY PERSONNEL, MARINE CORPS

The agreement provides \$13,231,114,000 for Military Personnel, Marine Corps, as follows:

~~(INSERT COMPUTER TABLE)~~

~~(INSERT PROJECT LEVEL TABLE)~~

insert 13A-C

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
12000 MILITARY PERSONNEL, MARINE CORPS		
12050 ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS		
12100 BASIC PAY.....	1,581,886	1,581,886
12150 RETIRED PAY ACCRUAL.....	450,292	450,292
12170 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	17,859	17,859
12200 BASIC ALLOWANCE FOR HOUSING.....	535,011	535,011
12250 BASIC ALLOWANCE FOR SUBSISTENCE.....	66,887	66,887
12300 INCENTIVE PAYS.....	36,374	36,374
12350 SPECIAL PAYS.....	3,333	3,333
12400 ALLOWANCES.....	43,841	43,841
12450 SEPARATION PAY.....	13,257	13,257
12500 SOCIAL SECURITY TAX.....	120,531	120,531
12550 TOTAL, BUDGET ACTIVITY 1.....	2,869,271	2,869,271
12600 ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL		
12650 BASIC PAY.....	4,980,929	4,980,929
12700 RETIRED PAY ACCRUAL.....	1,416,193	1,416,193
12720 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	55,287	55,287
12750 BASIC ALLOWANCE FOR HOUSING.....	1,620,934	1,620,934
12800 INCENTIVE PAYS.....	9,137	9,137
12850 SPECIAL PAYS.....	144,597	144,597
12900 ALLOWANCES.....	319,915	319,915
12950 SEPARATION PAY.....	90,030	90,030
13000 SOCIAL SECURITY TAX.....	380,478	380,478
13050 TOTAL, BUDGET ACTIVITY 2.....	9,017,500	9,017,500
13100 ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL		
13150 BASIC ALLOWANCE FOR SUBSISTENCE.....	450,121	450,121
13200 SUBSISTENCE-IN-KIND.....	415,759	415,759
13250 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE.....	10	10
13300 TOTAL, BUDGET ACTIVITY 4.....	865,890	865,890

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
13350 ACTIVITY 5: PERMANENT CHANGE OF STATION		
13400 ACCESSION TRAVEL.....	55,098	55,098
13450 TRAINING TRAVEL.....	18,718	18,718
13500 OPERATIONAL TRAVEL.....	184,003	184,003
13550 ROTATIONAL TRAVEL.....	120,351	120,351
13600 SEPARATION TRAVEL.....	93,216	93,216
13650 TRAVEL OF ORGANIZED UNITS.....	4,671	4,671
13750 TEMPORARY LODGING EXPENSE.....	5,578	5,578
13850 TOTAL, BUDGET ACTIVITY 5.....	481,635	481,635
13900 ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS		
13950 APPREHENSION OF MILITARY DESERTERS.....	326	326
14000 INTEREST ON UNIFORMED SERVICES SAVINGS.....	19	19
14050 DEATH GRATUITIES.....	12,900	12,900
14100 UNEMPLOYMENT BENEFITS.....	46,624	46,624
14150 EDUCATION BENEFITS.....	8,591	8,591
14200 ADOPTION EXPENSES.....	92	92
14250 TRANSPORTATION SUBSIDY.....	1,986	1,986
14300 PARTIAL DISLOCATION ALLOWANCE.....	103	103
14400 JUNIOR ROTC.....	4,408	4,408
14450 TOTAL, BUDGET ACTIVITY 6.....	75,049	75,049
14500 LESS REIMBURSABLES.....	-30,631	-30,631
14600 UNDISTRIBUTED ADJUSTMENT.....	---	-106,000
14605 MILITARY PAY RAISE.....	---	21,000
14610 AUTHORIZED END STRENGTH INCREASE.....	---	37,400
14650 TOTAL, ACTIVE FORCES, MARINE CORPS.....	13,278,714	13,231,114
16000 TOTAL, MILITARY PERSONNEL, MARINE CORPS.....	13,278,714	13,231,114

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

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<b>M-1</b>	<b>Budget Request</b>	<b>Final Bill</b>
<b>UNDISTRIBUTED ADJUSTMENTS</b>		<b>-47,600</b>
Enlisted workyear variance		-1,000
Authorized end strength increase		37,400
Historical unobligated balances		-105,000
Military pay raise		21,000

(13C)

MILITARY PERSONNEL, AIR FORCE

The agreement provides \$28,790,440,000 for Military Personnel, Air Force, as follows:

~~(INSERT COMPUTER TABLE)~~ *e*

~~(INSERT PROJECT LEVEL TABLE)~~ *insert 14A-C*

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
17000 MILITARY PERSONNEL, AIR FORCE		
17050 ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS		
17100 BASIC PAY.....	4,969,886	4,969,886
17150 RETIRED PAY ACCRUAL.....	1,407,970	1,407,970
17170 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	55,447	55,447
17200 BASIC ALLOWANCE FOR HOUSING.....	1,524,644	1,524,644
17250 BASIC ALLOWANCE FOR SUBSISTENCE.....	198,005	198,005
17300 INCENTIVE PAYS.....	236,704	236,704
17350 SPECIAL PAYS.....	336,933	326,933
17400 ALLOWANCES.....	112,425	112,425
17450 SEPARATION PAY.....	48,922	48,922
17500 SOCIAL SECURITY TAX.....	379,552	379,552
17550 TOTAL, BUDGET ACTIVITY 1.....	9,270,488	9,260,488
17600 ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL		
17650 BASIC PAY.....	9,209,338	9,209,338
17700 RETIRED PAY ACCRUAL.....	2,617,286	2,617,286
17720 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	100,601	100,601
17750 BASIC ALLOWANCE FOR HOUSING.....	3,739,482	3,739,482
17800 INCENTIVE PAYS.....	40,719	40,719
17850 SPECIAL PAYS.....	481,217	481,217
17900 ALLOWANCES.....	530,970	530,970
17950 SEPARATION PAY.....	130,904	130,904
18000 SOCIAL SECURITY TAX.....	704,515	704,515
18050 TOTAL, BUDGET ACTIVITY 2.....	17,555,032	17,555,032
18100 ACTIVITY 3: PAY AND ALLOWANCES OF CADETS		
18150 ACADEMY CADETS.....	78,280	78,280
18200 ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL		
18250 BASIC ALLOWANCE FOR SUBSISTENCE.....	1,029,962	1,029,962
18300 SUBSISTENCE-IN-KIND.....	136,688	136,688
18350 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE.....	9	9
18400 TOTAL, BUDGET ACTIVITY 4.....	1,166,659	1,166,659

04A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
18450	ACTIVITY 5: PERMANENT CHANGE OF STATION	
18500	ACCESSION TRAVEL.....	106,749 106,749
18550	TRAINING TRAVEL.....	69,348 69,348
18600	OPERATIONAL TRAVEL .....	280,290 280,290
18650	ROTATIONAL TRAVEL .....	572,460 572,460
18700	SEPARATION TRAVEL.....	159,066 159,066
18750	TRAVEL OF ORGANIZED UNITS.....	7,422 7,422
18800	NON-TEMPORARY STORAGE.....	26,779 26,779
18850	TEMPORARY LODGING EXPENSE.....	35,420 35,420
18950	TOTAL, BUDGET ACTIVITY 5.....	1,257,534 1,257,534
19000	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS	
19050	APPREHENSION OF MILITARY DESERTERS.....	16 16
19100	INTEREST ON UNIFORMED SERVICES SAVINGS.....	2,691 2,691
19150	DEATH GRATUITIES.....	14,500 14,500
19200	UNEMPLOYMENT BENEFITS.....	33,916 33,916
19300	EDUCATION BENEFITS.....	75 75
19350	ADOPTION EXPENSES.....	460 460
19400	TRANSPORTATION SUBSIDY.....	4,841 4,841
19450	PARTIAL DISLOCATION ALLOWANCE.....	421 421
19550	RESERVE OFFICERS TRAINING CORPS (ROTC).....	29,557 29,557
19600	JUNIOR ROTC.....	18,530 18,530
19650	TOTAL, BUDGET ACTIVITY 6.....	105,007 105,007
19700	LESS REIMBURSABLES.....	-470,260 -470,260
19750	UNDISTRIBUTED ADJUSTMENT.....	--- -207,000
19755	MILITARY PAY RAISE.....	--- 44,700
19800	TOTAL, ACTIVE FORCES, AIR FORCE.....	28,962,740 28,790,440
21000	TOTAL, MILITARY PERSONNEL, AIR FORCE.....	28,962,740 28,790,440



**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

<b>M-1</b>	<b>Budget Request</b>	<b>Final Bill</b>
<b>BA-1: PAY AND ALLOWANCES OF OFFICERS</b>		
<b>SPECIAL PAYS</b>	<b>336,933</b>	<b>326,933</b>
Excess growth		-10,000
<b>UNDISTRIBUTED ADJUSTMENTS</b>		<b>-162,300</b>
Historical unobligated balances		-207,000
Military pay raise		44,700

(140)

RESERVE PERSONNEL, ARMY

The agreement provides \$4,715,608,000 for Reserve Personnel, Army, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~ Insert 15A-B

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
23000 RESERVE PERSONNEL, ARMY		
23050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT		
23100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	1,642,326	1,627,326
23150 PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY).....	42,649	42,649
23200 PAY GROUP F TRAINING (RECRUITS).....	256,000	246,000
23250 PAY GROUP P TRAINING (PIPELINE RECRUITS).....	13,204	13,204
23300 MOBILIZATION TRAINING .....	332	332
23350 SCHOOL TRAINING.....	243,143	243,143
23400 SPECIAL TRAINING.....	264,269	264,269
23450 ADMINISTRATION AND SUPPORT.....	2,170,749	2,170,749
23470 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	19,894	19,894
23500 EDUCATION BENEFITS.....	32,688	32,688
23550 HEALTH PROFESSION SCHOLARSHIP .....	63,577	63,577
23600 OTHER PROGRAMS .....	55,797	55,797
23650 TOTAL, BUDGET ACTIVITY 1.....	4,804,628	4,779,628
23800 UNDISTRIBUTED ADJUSTMENT.....	---	-84,520
23810 MILITARY PAY RAISE.....	---	8,400
23815 AUTHORIZED END STRENGTH INCREASE.....	---	12,100
24000 TOTAL RESERVE PERSONNEL, ARMY.....	4,804,628	4,715,608

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

<b>M-1</b>	<b>Budget Request</b>	<b>Final Bill</b>
<b>BA-1: RESERVE COMPONENT TRAINING AND SUPPORT</b>		
<b>PAY GROUP A TRAINING</b>	<b>1,642,326</b>	<b>1,627,326</b>
Excess growth		-15,000
<b>PAY GROUP F TRAINING (RECRUITS)</b>	<b>256,000</b>	<b>246,000</b>
Excess growth		-10,000
<b>UNDISTRIBUTED ADJUSTMENTS</b>		<b>-64,020</b>
Historical unobligated balances		-84,520
Military pay raise		8,400
Authorized end strength increase		12,100

RESERVE PERSONNEL, NAVY

The agreement provides \$1,988,362,000 for Reserve Personnel, Navy, as follows:

~~(INSERT COMPUTER TABLE)~~ *e*

~~(INSERT PROJECT LEVEL TABLE)~~ *Insert 16A-B*

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
26000 RESERVE PERSONNEL, NAVY		
26050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT		
26100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	671,515	671,515
26150 PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY).....	7,972	7,972
26200 PAY GROUP F TRAINING (RECRUITS).....	62,459	62,459
26250 MOBILIZATION TRAINING.....	10,029	10,029
26300 SCHOOL TRAINING.....	52,423	52,423
26350 SPECIAL TRAINING.....	107,811	107,811
26400 ADMINISTRATION AND SUPPORT.....	1,026,549	1,026,549
26420 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	7,802	7,802
26450 EDUCATION BENEFITS.....	77	77
26500 HEALTH PROFESSION SCHOLARSHIP.....	53,725	53,725
26550 TOTAL, BUDGET ACTIVITY 1.....	2,000,362	2,000,362
26600 UNDISTRIBUTED ADJUSTMENT.....	---	-15,000
26610 MILITARY PAY RAISE.....	---	3,000
27000 TOTAL, RESERVE PERSONNEL, NAVY.....	2,000,362	1,988,362

16A

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

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<b>M-1</b>	<b>Budget Request</b>	<b>Final Bill</b>
<b>UNDISTRIBUTED ADJUSTMENTS</b>		<b>-12,000</b>
Historical unobligated balances		-15,000
Military pay raise		3,000

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(16B)

RESERVE PERSONNEL, MARINE CORPS

The agreement provides \$764,903,000 for Reserve Personnel, Marine Corps, as follows:

~~(INSERT COMPUTER TABLE)~~ 

~~(INSERT PROJECT LEVEL TABLE)~~ 



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
28000 RESERVE PERSONNEL, MARINE CORPS		
28050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT		
28100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	277,010	277,010
28150 PAY GROUP B TRAINING (BACKFILL FOR ACT DUTY).....	41,817	41,817
28200 PAY GROUP F TRAINING (RECRUITS).....	126,184	126,184
28300 MOBILIZATION TRAINING.....	1,969	1,969
28350 SCHOOL TRAINING.....	25,294	25,294
28400 SPECIAL TRAINING.....	39,809	39,809
28450 ADMINISTRATION AND SUPPORT.....	239,298	239,298
28470 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	2,640	2,640
28500 PLATOON LEADER CLASS.....	8,828	8,828
28550 EDUCATION BENEFITS.....	3,854	3,854
28600 TOTAL, BUDGET ACTIVITY 1.....	766,703	766,703
28700 UNDISTRIBUTED ADJUSTMENT.....	---	-3,000
28710 MILITARY PAY RAISE.....	---	1,200
29000 TOTAL, RESERVE PERSONNEL, MARINE CORPS.....	766,703	764,903

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

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M-1	Budget Request	Final Bill
<b>UNDISTRIBUTED ADJUSTMENTS</b>		<b>-1,800</b>
Historical unobligated balances		-3,000
Military pay raise		1,200

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RESERVE PERSONNEL, AIR FORCE

The agreement provides \$1,802,554,000 for Reserve Personnel, Air Force, as follows:

~~(INSERT COMPUTER TABLE)~~

~~(INSERT PROJECT LEVEL TABLE)~~ Insert 18A-B

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
30000 RESERVE PERSONNEL, AIR FORCE		
30050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT		
30100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	700,605	700,605
30150 PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY).....	100,151	100,151
30200 PAY GROUP F TRAINING (RECRUITS).....	58,268	58,268
30250 PAY GROUP P TRAINING (PIPELINE RECRUITS).....	2,390	2,390
30300 MOBILIZATION TRAINING.....	709	709
30350 SCHOOL TRAINING.....	156,088	156,088
30400 SPECIAL TRAINING.....	262,850	262,850
30450 ADMINISTRATION AND SUPPORT.....	465,255	465,255
30470 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	5,304	5,304
30500 EDUCATION BENEFITS.....	16,322	16,322
30550 HEALTH PROFESSION SCHOLARSHIP.....	53,326	53,326
30600 OTHER PROGRAMS (ADMIN & SUPPORT).....	3,066	3,066
30650 TOTAL, BUDGET ACTIVITY 1.....	1,824,334	1,824,334
30750 UNDISTRIBUTED ADJUSTMENT.....	---	-24,580
30755 MILITARY PAY RAISE.....	---	2,800
31000 TOTAL, RESERVE PERSONNEL, AIR FORCE.....	1,824,334	1,802,554

18A

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

M-1	Budget Request	Final Bill
<b>UNDISTRIBUTED ADJUSTMENTS</b>		<b>-21,780</b>
Historical unobligated balances		-24,580
Military pay raise		2,800

NATIONAL GUARD PERSONNEL, ARMY

The agreement provides \$8,264,626,000 for National Guard Personnel, Army, as follows:

~~(INSERT COMPUTER TABLE)~~ *e*

~~(INSERT PROJECT LEVEL TABLE)~~ *Insert 19A-B*

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
32000 NATIONAL GUARD PERSONNEL, ARMY		
32050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT		
32100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	2,623,904	2,623,904
32150 PAY GROUP F TRAINING (RECRUITS).....	589,009	589,009
32200 PAY GROUP P TRAINING (PIPELINE RECRUITS).....	46,426	46,426
32250 SCHOOL TRAINING.....	570,713	560,713
32300 SPECIAL TRAINING.....	697,050	707,800
32350 ADMINISTRATION AND SUPPORT.....	3,739,553	3,739,553
32370 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	32,437	32,437
32400 EDUCATION BENEFITS.....	80,284	80,284
32450 TOTAL, BUDGET ACTIVITY 1.....	8,379,376	8,380,126
32600 UNDISTRIBUTED ADJUSTMENT.....	---	-135,000
32610 TRAUMA TRAINING.....	---	1,200
32615 MILITARY PAY RAISE.....	---	14,100
32620 AUTHORIZED END STRENGTH INCREASE.....	---	4,200
33000 TOTAL, NATIONAL GUARD PERSONNEL, ARMY.....	8,379,376	8,264,626

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

<b>M-1</b>	<b>Budget Request</b>	<b>Final Bill</b>
<b>BA-1: RESERVE COMPONENT TRAINING AND SUPPORT</b>		
<b>SCHOOL TRAINING</b>	<b>570,713</b>	<b>560,713</b>
Excess growth		-10,000
<b>SPECIAL TRAINING</b>	<b>697,050</b>	<b>707,800</b>
Exercise overestimation		-10,000
Excess growth		-5,000
Program increase - State Partnership Program		3,750
Cyber protection teams		12,000
Program increase - training and operational support of the southwest border		10,000
<b>UNDISTRIBUTED ADJUSTMENTS</b>		<b>-115,500</b>
Historical unobligated balances		-135,000
Program increase - trauma training		1,200
Military pay raise		14,100
Authorized end strength increase		4,200

(198)



NATIONAL GUARD PERSONNEL, AIR FORCE

The agreement provides \$3,408,817,000 for National Guard Personnel, Air Force,  
as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~ insert 20A-B

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
34000 NATIONAL GUARD PERSONNEL, AIR FORCE		
34050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT		
34100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	980,536	980,536
34150 PAY GROUP F TRAINING (RECRUITS).....	88,496	88,496
34200 PAY GROUP P TRAINING (PIPELINE RECRUITS).....	8,684	8,684
34250 SCHOOL TRAINING.....	343,710	343,710
34300 SPECIAL TRAINING.....	175,589	177,539
34350 ADMINISTRATION AND SUPPORT.....	1,782,793	1,782,793
34370 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	13,814	13,814
34400 EDUCATION BENEFITS.....	19,565	19,565
34450 TOTAL, BUDGET ACTIVITY 1.....	3,413,187	3,415,137
34700 UNDISTRIBUTED ADJUSTMENT.....	---	-13,520
34720 TRAUMA TRAINING.....	---	1,800
34730 MILITARY PAY RAISE.....	---	5,400
35000 TOTAL, NATIONAL GUARD PERSONNEL, AIR FORCE.....	3,413,187	3,408,817

20A

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

<b>M-1</b>	<b>Budget Request</b>	<b>Final Bill</b>
<b>BA-1: RESERVE COMPONENT TRAINING AND SUPPORT</b>		
<b>SPECIAL TRAINING</b>	<b>175,589</b>	<b>177,539</b>
Program increase - State Partnership Program		1,950
<b>UNDISTRIBUTED ADJUSTMENTS</b>		<b>-6,320</b>
Historical unobligated balances		-13,520
Program increase - trauma training		1,800
Military pay raise		5,400

(20B)

## TITLE II – OPERATION AND MAINTENANCE

The agreement provides \$188,245,583,000 in Title II, Operation and Maintenance, as follows:

~~(INSERT O&M RECAP TABLE)~~ insert 21A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
RECAPITULATION		
OPERATION & MAINTENANCE, ARMY.....	38,945,417	38,816,957
OPERATION & MAINTENANCE, NAVY.....	45,439,407	45,384,353
OPERATION & MAINTENANCE, MARINE CORPS.....	6,933,408	6,605,546
OPERATION & MAINTENANCE, AIR FORCE.....	39,429,232	39,544,193
OPERATION & MAINTENANCE, DEFENSE-WIDE.....	34,585,817	34,059,257
OPERATION & MAINTENANCE, ARMY RESERVE.....	2,906,842	2,877,104
OPERATION & MAINTENANCE, NAVY RESERVE.....	1,084,007	1,069,707
OPERATION & MAINTENANCE, MARINE CORPS RESERVE.....	278,837	284,837
OPERATION & MAINTENANCE, AIR FORCE RESERVE.....	3,267,507	3,202,307
OPERATION & MAINTENANCE, ARMY NATIONAL GUARD.....	7,307,170	7,284,170
OPERATION & MAINTENANCE, AIR NATIONAL GUARD.....	6,939,968	6,900,798
UNITED STATES COURT OF APPEALS FOR THE ARMED FORCES...	14,538	14,538
ENVIRONMENTAL RESTORATION, ARMY.....	215,809	235,809
ENVIRONMENTAL RESTORATION, NAVY.....	281,415	365,883
ENVIRONMENTAL RESTORATION, AIR FORCE.....	293,749	352,549
ENVIRONMENTAL RESTORATION, DEFENSE-WIDE.....	9,002	19,002
ENVIRONMENTAL RESTORATION, FORMERLY USED DEFENSE SITES	208,673	248,673
OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID.....	104,900	129,900
COOPERATIVE THREAT REDUCTION ACCOUNT.....	324,600	350,000
DOD ACQUISITION WORKFORCE DEVELOPMENT FUND.....	---	500,000
	=====	=====
GRAND TOTAL, OPERATION & MAINTENANCE.....	188,570,298	188,245,583
	=====	=====

21A

## REPROGRAMMING GUIDANCE FOR OPERATION AND MAINTENANCE ACCOUNTS

The Secretary of Defense is directed to submit the Base for Reprogramming (DD Form 1414) for each of the fiscal year 2018 appropriation accounts not later than 60 days after the enactment of this Act. The Secretary of Defense is prohibited from executing any reprogramming or transfer of funds for any purpose other than originally appropriated until the aforementioned report is submitted to the House and Senate Defense Appropriations Subcommittees.

The Secretary of Defense is directed to use the normal prior approval reprogramming procedures to transfer funds in the Services' operation and maintenance accounts between O-1 budget activities, or between sub-activity groups in the case of Operation and Maintenance, Defense-Wide, in excess of \$20,000,000.

The agreement establishes new reprogramming rules for transferring funding out of readiness sub-activity groups, which are defined as follows:

### *Army:*

- Maneuver units
- Modular support brigades
- Aviation assets
- Land forces operations support
- Force readiness operations support
- Land forces depot maintenance
- Base operations support
- Facilities sustainment, restoration, and modernization
- Specialized skill training

### *Navy:*

- Mission and other flight operations
- Fleet air training
- Aircraft depot maintenance
- Mission and other ship operations
- Ship depot maintenance

Facilities sustainment, restoration, and modernization

*Marine Corps:*

Operational forces

Field logistics

Depot maintenance

Facilities sustainment, restoration, and modernization

*Air Force:*

Primary combat forces

Combat enhancement forces

Depot maintenance

Facilities sustainment, restoration, and modernization

Contractor logistics support and system support

Flying hour program

*Air Force Reserve:*

Depot maintenance

*Air National Guard:*

Depot maintenance

During fiscal year 2018, the Service Secretaries are directed to submit written notification to the congressional defense committees not later than 30 days prior to implementing transfers in excess of \$20,000,000 out of any readiness sub-activity if the funds will be transferred into another readiness sub-activity. However, if funding is transferred out of any readiness sub-activity into a non-readiness sub-activity, the Secretary of Defense is directed to use normal prior approval reprogramming procedures.

The Service Secretaries are further directed to include an enclosure with each written notification that includes increases and decreases by sub-activity group, a detailed justification explaining why the sources of funding are available and why the increases are necessary, and an explanation of the impact on resources included in the fiscal year 2019 budget request for each increase and decrease. All transfers may be implemented

30 days after congressional notification unless an objection is received from one of the congressional defense committees.

Additionally, the Secretary of Defense is directed to use normal prior approval reprogramming procedures when implementing transfers in excess of \$20,000,000 into the following budget sub-activities:

*Operation and Maintenance, Army:*

Other personnel support/recruiting and advertising

*Operation and Maintenance, Army National Guard:*

Other personnel support/recruiting and advertising

This language replaces the language included under the heading "Reprogramming Guidance for Operation and Maintenance Accounts" in House Report 115-219.

#### OPERATION AND MAINTENANCE SPECIAL INTEREST ITEMS

Items for which additional funds have been provided or have been specifically reduced as shown in the project level tables or in paragraphs using the phrase "only for" or "only to" in the explanatory statement are congressional special interest items for the purpose of the Base for Reprogramming (DD Form 1414). Each of these items must be carried on the DD Form 1414 at the stated amount as specifically addressed in the explanatory statement. Below Threshold Reprogrammings may not be used to either restore or reduce funding from congressional special interest items as identified on the DD Form 1414.

#### RESTORING READINESS

The agreement provides additional readiness funds for the Services within the operation and maintenance accounts. This funding shall be used only to improve military



readiness, including increased training, depot maintenance, and base operations support. None of the funding provided may be used for recruiting, marketing, or advertising programs. The readiness funding provided is a congressional special interest item. The Secretary of Defense and the Service Secretaries are directed to submit a detailed spend plan by sub-activity group to the House and Senate Defense Appropriations Subcommittees not less than 30 days prior to the obligation of these funds. These transfers may be implemented 30 days after congressional notification unless an objection is received from either the House or Senate Defense Appropriations Subcommittees.

#### OPERATION AND MAINTENANCE FLEXIBILITY

The agreement includes two adjustments for fiscal year 2018 to provide more flexibility of funding within the operation and maintenance accounts of this bill. The changes apply to fiscal year 2018 only and address the concerns expressed by senior leadership of the Department of Defense to be able to expend readiness funding within the confines of existing controls, while still ensuring accountability of the disbursement of taxpayer funds. These adjustments are necessary due to the delay of the final passage of this year's appropriation bill, combined with the large funding increase made possible by the Bipartisan Budget Act of 2018, which provides a stable top-line level of funding for fiscal years 2018 and 2019.

The first adjustment for flexibility is to Section 8004, which restricts obligations in the last two months of the fiscal year to 20 percent. This restriction is also known as the "80/20 rule." The agreement allows for the alleviation of the limitation by increasing the amount from 20 percent to 25 percent. This will allow the Services and the Department more flexibility to obligate annual funds within fiscal year 2018.

The second adjustment is to reprogramming guidelines for readiness funding. The readiness accounts identified in this agreement under “Reprogramming Guidance for Operation and Maintenance Accounts” will not require prior approval, only notification, for realignments between identified readiness budget lines. It is understood that realignments are required for unforeseen operational requirements or changes due to program cost increases or schedule delays. Commensurate with the lifting of the realignment restrictions, for fiscal year 2018, the funding amount for the below threshold limitation has been increased from \$15,000,000 to \$20,000,000.

#### ADDITIONAL READINESS FUNDING FOR OPERATIONS IN THE PACIFIC

The agreement includes funding for the Army and the Air Force to begin the replenishment process in order to accelerate readiness in the Pacific region. The increased funding will yield greater operational readiness to forces serving in the Pacific area of responsibility, specifically in the Republic of Korea, by investing in additional training, equipment, and supplies. This funding is a congressional special interest item. The Secretary of the Army and the Secretary of the Air Force are directed to submit a detailed spend plan by sub-activity group to the House and Senate Defense Appropriations Subcommittees not less than 30 days prior to the obligation of these funds.

#### MAINTENANCE OF REAL PROPERTY

The Under Secretary of Defense (Acquisition and Sustainment), in conjunction with the Service Secretaries, is directed to submit a report to the congressional defense committees not later than 180 days after the enactment of this Act that outlines the total

real property with a zero percent utilization rate of five years or more currently accounted for in the Department of Defense real property inventory database and assesses the feasibility of conveying or selling this property.

#### DRINKING WATER CONTAMINATION

The Secretary of Defense is directed to provide quarterly reports to the congressional defense committees on the extent of the per- and polyfluoroalkyl substances contamination in drinking water problem, plans for community notification, and procedures for timely remediation.

#### BOARDS FOR CORRECTION OF MILITARY RECORDS

The Secretary of Defense, in consultation with the Service Secretaries, is directed to submit a complete needs assessment of each Board for Correction of Military Records to the congressional defense committees not later than 180 days after the enactment of this Act.

#### REPORT ON EDUCATIONAL OPPORTUNITIES IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

The Secretary of Defense is directed to submit a report to the congressional defense committees, not later than two years after the enactment of this Act, that describes and assesses current Department of Defense programs to improve opportunities for Science, Technology, Engineering, and Mathematics (STEM) education for military

children and efforts to increase opportunities and achievement in STEM education for military children.

#### ARMS SALES IMPACT ON INTERNATIONAL HUMANITARIAN LAW

The Secretary of Defense, in coordination with the Secretary of State, is directed to conduct an assessment on whether United States-supplied defense articles and services have contributed to violations of human rights by recipient countries in the past three years. A report detailing the assessment shall be provided to the congressional defense committees not later than 180 days after the enactment of this Act.

OPERATION AND MAINTENANCE, ARMY

The agreement provides \$38,816,957,000 for Operation and Maintenance, Army,  
as follows:

~~(INSERT COMPUTER TABLE)~~ *e*

~~(INSERT PROJECT LEVEL TABLE)~~ *Insert 29A-E*

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
OPERATION AND MAINTENANCE, ARMY		
BUDGET ACTIVITY 1: OPERATING FORCES		
10	LAND FORCES MANEUVER UNITS.....	1,455,366 1,287,166
20	MODULAR SUPPORT BRIGADES.....	105,147 105,147
30	ECHELONS ABOVE BRIGADES.....	604,117 639,117
40	THEATER LEVEL ASSETS.....	793,217 794,217
50	LAND FORCES OPERATIONS SUPPORT.....	1,169,478 1,184,478
60	AVIATION ASSETS.....	1,496,503 1,457,803
70	LAND FORCES READINESS FORCE READINESS OPERATIONS SUPPORT.....	3,675,901 3,861,999
80	LAND FORCES SYSTEMS READINESS.....	466,720 471,592
90	LAND FORCES DEPOT MAINTENANCE.....	1,443,516 1,177,116
100	LAND FORCES READINESS SUPPORT BASE OPERATIONS SUPPORT.....	8,080,357 8,025,357
110	FACILITIES SUSTAINMENT, RESTORATION, & MODERNIZATION..	3,401,155 3,521,155
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS.....	443,790 443,790
125	ADDITIONAL ACTIVITIES.....	--- 103,030
180	COMBATANT COMMAND SUPPORT US AFRICA COMMAND.....	225,382 250,382
190	US EUROPEAN COMMAND.....	141,352 141,352
200	US SOUTHERN COMMAND.....	190,811 208,811
210	US FORCES KOREA.....	59,578 59,578
TOTAL, BUDGET ACTIVITY 1.....		23,752,390 23,732,090
BUDGET ACTIVITY 2: MOBILIZATION		
220	MOBILITY OPERATIONS STRATEGIC MOBILITY.....	346,667 346,667
230	ARMY PREPOSITIONED STOCKS.....	422,108 422,108
240	INDUSTRIAL PREPAREDNESS.....	7,750 7,750
TOTAL, BUDGET ACTIVITY 2.....		776,525 776,525

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
BUDGET ACTIVITY 3: TRAINING AND RECRUITING		
250		
ACCESSION TRAINING		
OFFICER ACQUISITION.....	137,556	137,556
260		
RECRUIT TRAINING.....	58,872	58,872
270		
ONE STATION UNIT TRAINING.....	58,035	58,035
280		
SENIOR RESERVE OFFICERS TRAINING CORPS.....	505,089	505,089
BASIC SKILL AND ADVANCED TRAINING		
290		
SPECIALIZED SKILL TRAINING.....	1,015,541	995,541
300		
FLIGHT TRAINING.....	1,124,115	1,124,115
310		
PROFESSIONAL DEVELOPMENT EDUCATION.....	220,688	213,688
320		
TRAINING SUPPORT.....	618,164	588,164
RECRUITING AND OTHER TRAINING AND EDUCATION		
330		
RECRUITING AND ADVERTISING.....	613,586	613,586
340		
EXAMINING.....	171,223	171,223
350		
OFF-DUTY AND VOLUNTARY EDUCATION.....	214,738	214,738
360		
CIVILIAN EDUCATION AND TRAINING.....	195,099	195,099
370		
JUNIOR RESERVE OFFICERS TRAINING CORPS.....	176,116	181,616
TOTAL, BUDGET ACTIVITY 3.....		
	5,108,822	5,057,322
-----		

29B

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
390	LOGISTICS OPERATIONS SERVICEWIDE TRANSPORTATION.....	555,502 555,502
400	CENTRAL SUPPLY ACTIVITIES.....	894,208 894,208
410	LOGISTICS SUPPORT ACTIVITIES.....	715,462 710,462
420	AMMUNITION MANAGEMENT.....	446,931 446,931
	SERVICEWIDE SUPPORT	
430	ADMINISTRATION.....	493,616 490,616
440	SERVICEWIDE COMMUNICATIONS.....	2,084,922 2,084,922
450	MANPOWER MANAGEMENT.....	259,588 259,588
460	OTHER PERSONNEL SUPPORT.....	326,387 326,387
470	OTHER SERVICE SUPPORT.....	1,087,602 1,074,302
480	ARMY CLAIMS ACTIVITIES.....	210,514 210,514
490	REAL ESTATE MANAGEMENT.....	243,584 242,584
500	BASE OPERATIONS SUPPORT.....	284,592 284,592
	SUPPORT OF OTHER NATIONS	
510	SUPPORT OF NATO OPERATIONS.....	415,694 415,694
520	MISC. SUPPORT OF OTHER NATIONS.....	46,856 46,856
	OTHER PROGRAMS	
	OTHER PROGRAMS.....	1,242,222 1,265,962
	TOTAL, BUDGET ACTIVITY 4.....	9,307,680 9,309,120
	OVERESTIMATION OF CIVILIAN FTE TARGETS.....	--- -50,000
	RESTORE READINESS.....	--- 150,000
	REIMBURSABLE MANPOWER CONVERSION.....	--- -50,000
	UNJUSTIFIED PROGRAM GROWTH.....	--- -19,400
	O & M TRANSFER TO DAWDF.....	--- -92,000
	BOARD OF CORRECTIONS.....	--- 1,500
	PROGRAM INCREASE--JOINT TRAVEL REGULATIONS--LONG-TERM TDY WAIVERS.....	--- 1,800
	TOTAL, OPERATION AND MAINTENANCE, ARMY.....	===== 38,945,417 38,816,957 =====



**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

O-1	Budget Request	Final Bill
<b>111 MANEUVER UNITS</b>	<b>1,455,366</b>	<b>1,287,166</b>
Remove one-time fiscal year 2017 increases		-110,000
Program increase - improve training and maintenance readiness		21,800
OCO operations - transfer to title IX		-80,000
<b>113 ECHELONS ABOVE BRIGADE</b>	<b>604,117</b>	<b>639,117</b>
Program increase - improve training and maintenance readiness		35,000
<b>114 THEATER LEVEL ASSETS</b>	<b>793,217</b>	<b>794,217</b>
Unjustified growth		-10,000
Program increase - improve maintenance readiness		11,000
<b>115 LAND FORCES OPERATIONS SUPPORT</b>	<b>1,169,478</b>	<b>1,184,478</b>
Program increase - improve maintenance readiness		15,000
<b>116 AVIATION ASSETS</b>	<b>1,496,503</b>	<b>1,457,803</b>
Program increase - improve maintenance readiness		11,300
Unjustified growth		-50,000
<b>121 FORCE READINESS OPERATIONS SUPPORT</b>	<b>3,675,901</b>	<b>3,861,999</b>
Unjustified growth		-60,000
Program increase - advanced helmets		5,000
Increase readiness in the Pacific region		526,098
OCO operations - transfer to title IX		-285,000
<b>122 LAND FORCES SYSTEMS READINESS</b>	<b>466,720</b>	<b>471,592</b>
Program increase - medical equipment sets		4,872
<b>123 LAND FORCES DEPOT MAINTENANCE</b>	<b>1,443,516</b>	<b>1,177,116</b>
Program increase - improve maintenance readiness		18,600
OCO operations - transfer to title IX		-285,000
<b>131 BASE OPERATIONS SUPPORT</b>	<b>8,080,357</b>	<b>8,025,357</b>
Program decrease not properly accounted		-30,000
Unjustified growth		-25,000
<b>132 FACILITIES SUSTAINMENT, RESTORATION AND MODERNIZATION</b>	<b>3,401,155</b>	<b>3,521,155</b>
Program increase		120,000
<b>135 ADDITIONAL ACTIVITIES</b>	<b>0</b>	<b>103,030</b>
JUON PC-0016 (Cyber MDDE)		6,370
JUON CC-0558 (C-UAS)		92,000
JUON ST-007 (Cyber)		3,060
JUON CC-0557 (Chem-bio stand-off detection)		1,600
<b>141 U.S. AFRICA COMMAND</b>	<b>225,382</b>	<b>250,382</b>
Personnel recovery		25,000
<b>143 U.S. SOUTHERN COMMAND</b>	<b>190,811</b>	<b>208,811</b>
Program increase - SOUTHCOM ship, special mission		18,000

O-1		Budget Request	Final Bill
321	<b>SPECIALIZED SKILL TRAINING</b> Unjustified growth	1,015,541	995,541 -20,000
323	<b>PROFESSIONAL DEVELOPMENT EDUCATION</b> Unjustified growth	220,688	213,688 -7,000
324	<b>TRAINING SUPPORT</b> Unjustified growth	618,164	588,164 -30,000
335	<b>JUNIOR ROTC</b> Program increase	176,116	181,616 5,500
411	<b>SECURITY PROGRAMS</b> Classified adjustment Program increase - SOUTHCOM ISR	1,242,222	1,265,962 1,990 21,750
423	<b>LOGISTIC SUPPORT ACTIVITIES</b> Remove one-time fiscal year 2017 costs	715,462	710,462 -5,000
431	<b>ADMINISTRATION</b> Unjustified growth	493,616	490,616 -3,000
435	<b>OTHER SERVICE SUPPORT</b> Unjustified growth Program increase - Army support to Capitol 4th	1,087,602	1,074,302 -14,000 700
437	<b>REAL ESTATE MANAGEMENT</b> Unjustified growth	243,584	242,584 -1,000
	<b>OVERESTIMATION OF CIVILIAN FTE TARGETS</b>		-50,000
	<b>RESTORE READINESS</b>		150,000
	<b>REIMBURSEABLE MANPOWER CONVERSION</b>		-50,000
	<b>UNJUSTIFIED GROWTH</b>		-19,400
	<b>TRANSFER OPERATION AND MAINTENANCE FUNDS TO PROVIDE APPROPRIATIONS FOR THE DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE DEVELOPMENT FUND</b>		-92,000
	<b>PROGRAM INCREASE - BOARD OF CORRECTIONS</b>		1,500
	<b>PROGRAM INCREASE - JOINT TRAVEL REGULATION LONG TERM TEMPORARY DUTY WAIVERS</b>		1,800

## OPERATION AND MAINTENANCE, NAVY

The agreement provides \$45,384,353,000 for Operation and Maintenance, Navy, as follows:

~~(INSERT COMPUTER TABLE)~~

~~(INSERT PROJECT LEVEL TABLE)~~

insert 30A-F

### NAVAL SHIPYARD APPRENTICE PROGRAM

The Secretary of the Navy is directed to induct classes of not fewer than 100 apprentices at each of the respective naval shipyards.

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
OPERATION AND MAINTENANCE, NAVY		
BUDGET ACTIVITY 1: OPERATING FORCES		
AIR OPERATIONS		
10	MISSION AND OTHER FLIGHT OPERATIONS.....	5,544,165 5,214,165
20	FLEET AIR TRAINING.....	2,075,000 2,023,000
30	AVIATION TECHNICAL DATA AND ENGINEERING SERVICES.....	46,801 48,801
40	AIR OPERATIONS AND SAFETY SUPPORT.....	119,624 130,864
50	AIR SYSTEMS SUPPORT.....	552,536 557,036
60	AIRCRAFT DEPOT MAINTENANCE.....	1,088,482 1,088,482
70	AIRCRAFT DEPOT OPERATIONS SUPPORT.....	40,584 44,084
80	AVIATION LOGISTICS.....	723,786 843,786
SHIP OPERATIONS		
90	MISSION AND OTHER SHIP OPERATIONS.....	4,067,334 3,719,334
100	SHIP OPERATIONS SUPPORT AND TRAINING.....	977,701 977,701
110	SHIP DEPOT MAINTENANCE.....	7,165,858 7,175,358
120	SHIP DEPOT OPERATIONS SUPPORT.....	2,193,851 2,187,551
COMBAT COMMUNICATIONS/SUPPORT		
130	COMBAT COMMUNICATIONS.....	1,288,094 1,256,094
150	SPACE SYSTEMS AND SURVEILLANCE.....	206,678 206,678
160	WARFARE TACTICS.....	621,581 592,581
170	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY.....	370,681 380,681
180	COMBAT SUPPORT FORCES.....	1,437,966 1,437,966
190	EQUIPMENT MAINTENANCE.....	162,705 166,965
210	COMBATANT COMMANDERS CORE OPERATIONS.....	65,108 65,108
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT.....	86,892 91,892
230	MILITARY INFORMATION SUPPORT OPERATIONS.....	8,427 8,427
240	CYBERSPACE ACTIVITIES.....	385,212 372,212
WEAPONS SUPPORT		
260	FLEET BALLISTIC MISSILE.....	1,278,456 1,278,456
280	WEAPONS MAINTENANCE.....	745,680 808,680
290	OTHER WEAPON SYSTEMS SUPPORT.....	380,016 380,016

30A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
300	BASE SUPPORT	
	ENTERPRISE INFORMATION TECHNOLOGY.....	914,428 877,428
310	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	1,905,679 2,105,679
320	BASE OPERATING SUPPORT.....	4,333,688 4,326,688
	TOTAL, BUDGET ACTIVITY 1.....	38,787,013 38,365,713
-----		
BUDGET ACTIVITY 2: MOBILIZATION		
330	READY RESERVE AND PREPOSITIONING FORCES	
	SHIP PREPOSITIONING AND SURGE.....	417,450 564,447
340	READY RESERVE FORCE.....	--- 289,255
360	ACTIVATIONS/INACTIVATIONS	
	SHIP ACTIVATIONS/INACTIVATIONS.....	198,341 198,341
370	MOBILIZATION PREPAREDNESS	
	FLEET HOSPITAL PROGRAM.....	66,849 121,302
390	COAST GUARD SUPPORT.....	21,870 21,870
	TOTAL, BUDGET ACTIVITY 2.....	704,510 1,195,215
-----		
BUDGET ACTIVITY 3: TRAINING AND RECRUITING		
400	ACCESSION TRAINING	
	OFFICER ACQUISITION.....	143,924 143,924
410	RECRUIT TRAINING.....	8,975 8,975
420	RESERVE OFFICERS TRAINING CORPS.....	144,708 144,708
430	BASIC SKILLS AND ADVANCED TRAINING	
	SPECIALIZED SKILL TRAINING.....	812,708 775,308
450	PROFESSIONAL DEVELOPMENT EDUCATION.....	180,448 180,448
460	TRAINING SUPPORT.....	234,596 242,896
470	RECRUITING, AND OTHER TRAINING AND EDUCATION	
	RECRUITING AND ADVERTISING.....	177,517 182,517
480	OFF-DUTY AND VOLUNTARY EDUCATION.....	103,154 103,154
490	CIVILIAN EDUCATION AND TRAINING.....	72,216 72,216
500	JUNIOR ROTC.....	53,262 53,262
	TOTAL, BUDGET ACTIVITY 3.....	1,931,508 1,907,408
-----		

30B

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
510	SERVICEWIDE SUPPORT ADMINISTRATION.....	1,135,429 1,106,429
530	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT.....	149,365 149,365
540	MILITARY MANPOWER AND PERSONNEL MANAGEMENT.....	386,749 386,749
590	LOGISTICS OPERATIONS AND TECHNICAL SUPPORT SERVICEWIDE TRANSPORTATION.....	165,301 165,301
610	PLANNING, ENGINEERING AND DESIGN.....	311,616 314,116
620	ACQUISITION AND PROGRAM MANAGEMENT.....	665,580 665,580
660	SECURITY PROGRAMS NAVAL INVESTIGATIVE SERVICE.....	659,143 659,143
	OTHER PROGRAMS OTHER PROGRAMS.....	543,193 539,973
	TOTAL, BUDGET ACTIVITY 4.....	4,016,376 3,986,656
	RESTORE READINESS.....	--- 150,000
	ENTERPRISE LICENSE AGREEMENTS.....	--- -25,000
	CIVILIAN FTE.....	--- -17,000
	O & M TRANSFER TO DAWDF.....	--- -189,000
	LONG TERM TEMP DUTY WAIVERS.....	--- 1,400
	BOARD OF CORRECTIONS.....	--- 1,000
	COMPREHENSIVE REVIEW OF RECENT SURFACE WARFARE INCIDENTS.....	--- 7,961
	TOTAL, OPERATION AND MAINTENANCE, NAVY.....	45,439,407 45,384,353

300

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
**[In thousands of dollars]**

O-1	Budget Request	Final Bill
<b>1A1A MISSION AND OTHER FLIGHT OPERATIONS</b>	<b>5,544,165</b>	<b>5,214,165</b>
OCO operations - transfer to title IX		-330,000
<b>1A2A FLEET AIR TRAINING</b>	<b>2,075,000</b>	<b>2,023,000</b>
Remove one-time fiscal year 2017 increase		-52,000
<b>1A3A AVIATION TECHNICAL DATA AND ENGINEERING SERVICES</b>	<b>46,801</b>	<b>48,801</b>
Aviation support readiness		2,000
<b>1A4A AIR OPERATIONS AND SAFETY SUPPORT</b>	<b>119,624</b>	<b>130,864</b>
Program increase - T-45 and F/A-18 physiological episode funding		9,240
Aviation support readiness		2,000
<b>1A4N AIR SYSTEMS SUPPORT</b>	<b>552,536</b>	<b>557,036</b>
Remove one-time fiscal year 2017 increase		-6,500
Program decrease not properly accounted		-30,000
Program increase - T-45 and F/A-18 physiological episode funding		31,500
Aviation support readiness		9,500
<b>1A6A AIRCRAFT DEPOT OPERATIONS SUPPORT</b>	<b>40,584</b>	<b>44,084</b>
Aviation support readiness		3,500
<b>1A9A AVIATION LOGISTICS</b>	<b>723,786</b>	<b>843,786</b>
Program increase - fund to maximum level executable		120,000
<b>1B1B MISSION AND OTHER SHIP OPERATIONS</b>	<b>4,067,334</b>	<b>3,719,334</b>
Program decrease not properly accounted		-40,000
Program increase - combat logistics maintenance for TAO-187		22,000
OCO operations - transfer to title IX		-330,000
<b>1B4B SHIP DEPOT MAINTENANCE</b>	<b>7,165,858</b>	<b>7,175,358</b>
Program increase - dry dock capabilities		7,500
Program increase - ship repair technologies		2,000
<b>1B5B SHIP DEPOT OPERATIONS SUPPORT</b>	<b>2,193,851</b>	<b>2,187,551</b>
Remove one-time fiscal year 2017 increase		-6,300
<b>1C1C COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE</b>	<b>1,288,094</b>	<b>1,256,094</b>
Unjustified growth		-32,000
<b>1C4C WARFARE TACTICS</b>	<b>621,581</b>	<b>592,581</b>
Unjustified growth		-30,000
Program increase - operational range clearance and environmental compliance		1,000
<b>1C5C OPERATIONAL METEOROLOGY AND OCEANOGRAPHY</b>	<b>370,681</b>	<b>380,681</b>
Program increase - unmanned systems in maritime environment		5,000
Program increase - hydrographic survey launches		5,000

O-1	Budget Request	Final Bill
<b>1C7C EQUIPMENT MAINTENANCE</b> Aviation support readiness	162,705	166,965 4,260
<b>1CCM COMBATANT COMMANDERS DIRECT MISSION SUPPORT</b> Program increase - PACOM no-notice agile logistics exercise	86,892	91,892 5,000
<b>1CCY CYBERSPACE ACTIVITIES</b> Unjustified growth	385,212	372,212 -13,000
<b>1D4D WEAPONS MAINTENANCE</b> Program increase - air to air training rounds and CVN magazine alterations JUON CC-0555 (T-UAV)	745,680	808,680 5,000 58,000
<b>BSIT ENTERPRISE INFORMATION TECHNOLOGY</b> Savings from contract award delay	914,428	877,428 -37,000
<b>BSM1 FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b> Program increase	1,905,679	2,105,679 200,000
<b>BSS1 BASE OPERATING SUPPORT</b> Unjustified growth Program increase - operational range clearance and environmental compliance Program increase - port operations service craft maintenance return to five year overall periodicity	4,333,688	4,326,688 -30,000 11,000 12,000
<b>2A1F SHIP PREPOSITIONING AND SURGE</b> LMSR maintenance - transfer from NDSF LMSR maintenance - transfer from NDSF	417,450	564,447 135,800 11,197
<b>202F READY RESERVE FORCE</b> LMSR maintenance - transfer from NDSF	0	289,255 289,255
<b>2C1H EXPEDITIONARY HEALTH SERVICE SYSTEMS</b> LMSR maintenance - transfer from NDSF	66,849	121,302 54,453
<b>3B1K SPECIALIZED SKILL TRAINING</b> Program increase - comprehensive review of recent surface warfare incidents - shore-based bridge trainer improvements Unjustified growth	812,708	775,308 2,000 -39,400
<b>3B4K TRAINING SUPPORT</b> Program increase - comprehensive review of recent surface warfare incidents - shore-based bridge trainer improvements	234,596	242,896 8,300
<b>3C1L RECRUITING AND ADVERTISING</b> Program increase - Naval Sea Cadet Corps	177,517	182,517 5,000
<b>4A1M ADMINISTRATION</b> Unjustified growth Program increase - review of ship logs for veterans' claims	1,135,429	1,106,429 -30,000 1,000

(30E)



O-1	Budget Request	Final Bill
4B2N PLANNING, ENGINEERING AND DESIGN Alternative energy	311,616	314,116 2,500
9999 OTHER PROGRAMS Classified adjustment	543,193	539,973 -3,220
UNJUSTIFIED GROWTH FOR CIVILIAN FTES		-17,000
UNJUSTIFIED GROWTH FOR ENTERPRISE LICENSE AGREEMENTS		-25,000
TRANSFER OPERATION AND MAINTENANCE FUNDS TO PROVIDE APPROPRIATIONS FOR THE DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE DEVELOPMENT FUND		-189,000
PROGRAM INCREASE - JOINT TRAVEL REGULATION LONG TERM TEMPORARY DUTY WAIVERS		1,400
PROGRAM INCREASE - BOARD OF CORRECTIONS		1,000
RESTORE READINESS		150,000
PROGRAM INCREASE - COMPREHENSIVE REVIEW OF RECENT SURFACE WARFARE INCIDENTS		7,961

OPERATION AND MAINTENANCE, MARINE CORPS

The agreement provides \$6,605,546,000 for Operation and Maintenance, Marine Corps, as follows:

~~(INSERT COMPUTER TABLE)~~

~~(INSERT PROJECT LEVEL TABLE)~~ insert 31A-C

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
OPERATION AND MAINTENANCE, MARINE CORPS		
BUDGET ACTIVITY 1: OPERATING FORCES		
10	EXPEDITIONARY FORCES OPERATIONAL FORCES.....	967,949 892,787
20	FIELD LOGISTICS.....	1,065,090 1,015,090
30	DEPOT MAINTENANCE.....	286,635 286,635
40	USMC PREPOSITIONING MARITIME PREPOSITIONING.....	85,577 85,577
50	COMBAT OPERATIONS/SUPPORT CYBERSPACE ACTIVITIES.....	181,518 181,518
60	BASE SUPPORT FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	785,264 825,264
70	BASE OPERATING SUPPORT.....	2,196,252 1,977,252
	TOTAL, BUDGET ACTIVITY 1.....	5,568,285 5,264,123
BUDGET ACTIVITY 3: TRAINING AND RECRUITING		
80	ACCESSION TRAINING RECRUIT TRAINING.....	16,163 16,163
90	OFFICER ACQUISITION.....	1,154 1,154
100	BASIC SKILLS AND ADVANCED TRAINING SPECIALIZED SKILLS TRAINING.....	100,398 100,398
110	PROFESSIONAL DEVELOPMENT EDUCATION.....	46,474 46,474
120	TRAINING SUPPORT.....	405,039 405,039
130	RECRUITING AND OTHER TRAINING EDUCATION RECRUITING AND ADVERTISING.....	201,601 196,601
140	OFF-DUTY AND VOLUNTARY EDUCATION.....	32,045 32,045
150	JUNIOR ROTC.....	24,394 24,394
	TOTAL, BUDGET ACTIVITY 3.....	827,268 822,268

31A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
160		
SERVICEWIDE SUPPORT		
SERVICEWIDE TRANSPORTATION.....	28,827	28,827
170		
ADMINISTRATION.....	378,683	368,683
190		
ACQUISITION AND PROGRAM MANAGEMENT.....	77,684	77,684
SECURITY PROGRAMS		
SECURITY PROGRAMS.....	52,661	52,661
TOTAL, BUDGET ACTIVITY 4.....	537,855	527,855
RESTORE READINESS.....	---	54,000
REMOVE FY17 CONGRESSIONAL INCREASE.....	---	-59,000
PROGRAM TRANSFER UNACCOUNTED FOR.....	---	-4,000
PROGRAM INCREASE--JOINT TRAVEL REGULATIONS--LONG-TERM TDY WAIVERS.....	---	300
TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS.....	6,933,408	6,605,546
	=====	=====

318

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

O-1	Budget Request	Final Bill
<b>1A1A OPERATIONAL FORCES</b>	<b>967,949</b>	<b>892,787</b>
Remove one-time fiscal year 2017 increase		-12,000
Unjustified growth		-10,000
Program increase - corrosion control		5,000
Program increase - enhanced combat helmets		22,000
OCO operations - transfer to title IX		-80,162
<b>1A2A FIELD LOGISTICS</b>	<b>1,065,090</b>	<b>1,015,090</b>
Unjustified growth		-50,000
<b>BSM1 FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>	<b>785,264</b>	<b>825,264</b>
Program increase		40,000
<b>BSS1 BASE OPERATING SUPPORT</b>	<b>2,196,252</b>	<b>1,977,252</b>
Unjustified growth		-19,000
Remove one-time fiscal year 2017 increase		-20,000
OCO operations - transfer to title IX		-180,000
<b>3C1F RECRUITING AND ADVERTISING</b>	<b>201,601</b>	<b>196,601</b>
Advertising and recruiting - unjustified growth		-5,000
<b>4A4G ADMINISTRATION</b>	<b>378,683</b>	<b>368,683</b>
Unjustified growth		-10,000
<b>REMOVE ONE-TIME FISCAL YEAR 2017 INCREASE</b>		<b>-59,000</b>
<b>PROGRAM TRANSFER NOT PROPERLY ACCOUNTED</b>		<b>-4,000</b>
<b>PROGRAM INCREASE - JOINT TRAVEL REGULATION LONG TERM TEMPORARY DUTY WAIVERS</b>		<b>300</b>
<b>RESTORE READINESS</b>		<b>54,000</b>

(310)

## OPERATION AND MAINTENANCE, AIR FORCE

The agreement provides \$39,544,193,000 for Operation and Maintenance, Air Force, as follows:

~~(INSERT COMPUTER TABLE)~~

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 32A-E

### INVESTING IN SQUADRON INNOVATION

Fostering a culture of innovation at the squadron command level to outpace the efforts of competitors in a more complex and dangerous international security environment is a top priority of the Chief of Staff of the Air Force. The vision is to designate specific resources to spur original, creative thinking by airmen to solve unit, wing, and day-to-day issues and readiness challenges. In support of these efforts, the Secretary of the Air Force may spend up to \$64,100,000 of fiscal year 2018 operation and maintenance funding to encourage this type of innovation across the active, guard, and reserve components. In order to assess this investment, the Secretary of the Air Force is directed to provide a briefing to the House and Senate Defense Appropriations

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL	
OPERATION AND MAINTENANCE, AIR FORCE			
BUDGET ACTIVITY 1: OPERATING FORCES			
10	AIR OPERATIONS		
	PRIMARY COMBAT FORCES.....	694,702 606,702	
20	COMBAT ENHANCEMENT FORCES.....	1,392,326 1,472,926	
30	AIR OPERATIONS TRAINING.....	1,128,640 1,143,840	
40	DEPOT MAINTENANCE.....	2,755,367 2,462,207	
50	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	3,292,553 3,403,053	
60	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT.....	6,555,186 6,638,266	
70	FLYING HOUR PROGRAM.....	4,135,330 3,615,330	
80	BASE OPERATING SUPPORT.....	5,985,232 6,738,572	
COMBAT RELATED OPERATIONS			
90	GLOBAL C3I AND EARLY WARNING.....	847,516 880,516	
100	OTHER COMBAT OPERATIONS SUPPORT PROGRAMS.....	1,131,817 1,156,217	
SPACE OPERATIONS			
120	LAUNCH FACILITIES.....	175,457 175,457	
130	SPACE CONTROL SYSTEMS.....	353,458 353,458	
COCOM			
160	US NORTHCOM/NORAD.....	189,891 189,891	
170	US STRATCOM.....	534,236 534,236	
180	US CYBERCOM.....	357,830 357,830	
190	US CENTCOM.....	168,208 168,208	
200	US SOCOM.....	2,280 2,280	
210	US TRANSCOM.....	533 533	
OPERATING FORCES CLASSIFIED PROGRAMS.....			1,091,655 1,089,655
TOTAL, BUDGET ACTIVITY 1.....			30,792,217 30,989,177

32A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
BUDGET ACTIVITY 2: MOBILIZATION		
220		
MOBILITY OPERATIONS		
AIRLIFT OPERATIONS.....	1,570,697	1,440,697
230		
MOBILIZATION PREPAREDNESS.....	130,241	152,841
TOTAL, BUDGET ACTIVITY 2.....	1,700,938	1,593,538
-----		
BUDGET ACTIVITY 3: TRAINING AND RECRUITING		
270		
ACCESSION TRAINING		
OFFICER ACQUISITION.....	113,722	113,722
280		
RECRUIT TRAINING.....	24,804	24,804
290		
RESERVE OFFICER TRAINING CORPS (ROTC).....	95,733	99,733
BASIC SKILLS AND ADVANCED TRAINING		
320		
SPECIALIZED SKILL TRAINING.....	395,476	395,476
330		
FLIGHT TRAINING.....	501,599	501,599
340		
PROFESSIONAL DEVELOPMENT EDUCATION.....	287,500	287,500
350		
TRAINING SUPPORT.....	91,384	91,384
RECRUITING, AND OTHER TRAINING AND EDUCATION		
370		
RECRUITING AND ADVERTISING.....	166,795	166,795
380		
EXAMINING.....	4,134	4,134
390		
OFF DUTY AND VOLUNTARY EDUCATION.....	222,691	217,691
400		
CIVILIAN EDUCATION AND TRAINING.....	171,974	171,974
410		
JUNIOR ROTC.....	60,070	60,070
TOTAL, BUDGET ACTIVITY 3.....	2,135,882	2,134,882
-----		



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
420	LOGISTICS OPERATIONS LOGISTICS OPERATIONS.....	805,453 805,453
430	TECHNICAL SUPPORT ACTIVITIES.....	127,379 127,379
SERVICEWIDE ACTIVITIES		
470	ADMINISTRATION.....	911,283 886,283
480	SERVICEWIDE COMMUNICATIONS.....	432,172 432,172
490	OTHER SERVICEWIDE ACTIVITIES.....	1,175,658 1,160,558
500	CIVIL AIR PATROL CORPORATION.....	26,719 30,800
SUPPORT TO OTHER NATIONS		
530	INTERNATIONAL SUPPORT.....	76,878 76,878
SECURITY PROGRAMS		
	SECURITY PROGRAMS.....	1,244,653 1,238,673
-----		
	TOTAL, BUDGET ACTIVITY 4.....	4,800,195 4,758,196
	RESTORE READINESS.....	--- 150,000
	ACQUISITION WORKFORCE TRANSFER PRICING.....	--- -84,000
	BOARD OF CORRECTIONS.....	--- 1,000
	PROGRAM INCREASE--JOINT TRAVEL REGULATIONS--LONG-TERM TDY WAIVERS.....	--- 1,400
=====		
	TOTAL, OPERATION AND MAINTENANCE, AIR FORCE.....	39,429,232 39,544,193
=====		

320

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
**[In thousands of dollars]**

O-1	Budget Request	Final Bill
<b>011A PRIMARY COMBAT FORCES</b>	<b>694,702</b>	<b>606,702</b>
Program increase - energy resiliency studies		2,000
OCO operations - transfer to title IX		-90,000
<b>011C COMBAT ENHANCEMENT FORCES</b>	<b>1,392,326</b>	<b>1,472,926</b>
Air Force requested transfer from RDTE,AF line 100		23,000
Program increase - battlefield airman-equipment assembly		15,400
Program increase - unified capabilities		42,200
<b>011D AIR OPERATIONS TRAINING</b>	<b>1,128,640</b>	<b>1,143,840</b>
Program increase - contract adversary air services		10,200
Program increase - operational training and infrastructure initiatives		5,000
<b>011M DEPOT MAINTENANCE</b>	<b>2,755,367</b>	<b>2,462,207</b>
Unjustified growth		-50,000
Program increase - weapon system sustainment		36,840
OCO operations - transfer to title IX		-280,000
<b>011R FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>	<b>3,292,553</b>	<b>3,403,053</b>
Unjustified growth for exchange rate factor		-15,000
Program increase		120,000
Program increase - KC-46 facilities		5,500
<b>011W CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT</b>	<b>6,555,186</b>	<b>6,638,266</b>
Program increase - EC-130H Compass Call		12,000
Program increase - weapon system sustainment		71,080
<b>011Y FLYING HOUR PROGRAM</b>	<b>4,135,330</b>	<b>3,615,330</b>
Unjustified growth		-240,000
OCO operations - transfer to title IX		-280,000
<b>011Z BASE SUPPORT</b>	<b>5,985,232</b>	<b>6,738,572</b>
Unjustified growth		-125,000
Unjustified growth for exchange rate factor		-50,000
Program increase - enterprise services		65,000
Program increase - cloud migration-cloud computing environment		42,600
Program increase - mission readiness at installations		36,640
Program increase - child and youth compliance		35,000
Program increase - financial literacy		11,600
Full spectrum readiness in the Pacific region		735,900
Program increase - bird/wildlife aircraft strike hazard		1,600
<b>012A GLOBAL C3I AND EARLY WARNING</b>	<b>847,516</b>	<b>880,516</b>
Program increase - NC3 weapon system and education improvements		23,000
Program increase - SOUTHCOM maritime patrol aircraft expansion		10,000
<b>012C OTHER COMBAT OPS SPT PROGRAMS</b>	<b>1,131,817</b>	<b>1,156,217</b>
Program increase - restore contingency response group-PACAF		24,400

320

O-1	Budget Request	Final Bill
<b>012F TACTICAL INTEL AND OTHER SPECIAL ACTIVITIES</b>	<b>1,091,655</b>	<b>1,089,655</b>
Classified adjustment		-2,000
<b>021A AIRLIFT OPERATIONS</b>	<b>1,570,697</b>	<b>1,440,697</b>
Unjustified growth - special assignment requirement directives		-80,000
Unjustified growth - airlift account		-50,000
<b>021D MOBILIZATION PREPAREDNESS</b>	<b>130,241</b>	<b>152,841</b>
Program increase - set the theater - base expeditionary airfield resources - PACOM		22,600
<b>031D RESERVE OFFICERS TRAINING CORPS (ROTC)</b>	<b>95,733</b>	<b>99,733</b>
Program increase - expanded student pilot training initiative		4,000
<b>033C OFF-DUTY AND VOLUNTARY EDUCATION</b>	<b>222,691</b>	<b>217,691</b>
Unjustified growth		-5,000
<b>042A ADMINISTRATION</b>	<b>911,283</b>	<b>886,283</b>
Unjustified growth		-25,000
<b>042G OTHER SERVICEWIDE ACTIVITIES</b>	<b>1,175,658</b>	<b>1,160,558</b>
Unjustified growth		-20,000
Program increase - violence prevention program		4,900
<b>042I CIVIL AIR PATROL</b>	<b>26,719</b>	<b>30,800</b>
Program increase		4,081
<b>043A SECURITY PROGRAMS</b>	<b>1,244,653</b>	<b>1,238,673</b>
Classified adjustment		-5,980
<b>ACQUISITION WORKFORCE TRANSFER PRICING ADJUSTMENT</b>		<b>-84,000</b>
<b>PROGRAM INCREASE - JOINT TRAVEL REGULATION LONG TERM TEMPORARY DUTY WAIVERS</b>		<b>1,400</b>
<b>PROGRAM INCREASE - BOARD OF CORRECTIONS</b>		<b>1,000</b>
<b>RESTORE READINESS</b>		<b>150,000</b>

Subcommittees not later than September 30, 2018, that shall include, but not be limited to, squadron innovation funding execution details; examples of successful innovative ideas; lessons learned; and a determination of whether or not funding beyond fiscal year 2018 will be pursued.

OPERATION AND MAINTENANCE, DEFENSE-WIDE

The agreement provides \$34,059,257,000 for Operation and Maintenance, Defense-Wide, as follows:

~~(INSERT COMPUTER TABLE)~~ *e*

~~(INSERT PROJECT LEVEL TABLE)~~ *insert 34A-E*

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
OPERATION AND MAINTENANCE, DEFENSE-WIDE		
BUDGET ACTIVITY 1: OPERATING FORCES		
10	JOINT CHIEFS OF STAFF.....	440,853 435,853
20	OFFICE OF THE SECRETARY OF DEFENSE.....	551,511 551,511
40	SPECIAL OPERATIONS COMMAND.....	5,008,274 5,016,244
	TOTAL, BUDGET ACTIVITY 1.....	6,000,638 6,003,608
BUDGET ACTIVITY 3: TRAINING AND RECRUITING		
50	DEFENSE ACQUISITION UNIVERSITY.....	144,970 142,941
60	JOINT CHIEFS OF STAFF RECRUITING, AND OTHER TRAINING AND EDUCATION.....	84,402 86,402
80	SPECIAL OPERATIONS COMMAND.....	379,462 378,462
	TOTAL, BUDGET ACTIVITY 3.....	608,834 607,805
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
90	CIVIL MILITARY PROGRAMS.....	183,000 235,900
110	DEFENSE CONTRACT AUDIT AGENCY.....	597,836 588,347
120	DEFENSE CONTRACT MANAGEMENT AGENCY.....	1,439,010 1,418,485
130	DEFENSE HUMAN RESOURCES ACTIVITY.....	807,754 837,262
140	DEFENSE INFORMATION SYSTEMS AGENCY.....	2,009,702 1,985,846
160	DEFENSE LEGAL SERVICES AGENCY.....	24,207 24,207
170	DEFENSE LOGISTICS AGENCY.....	400,422 389,005
180	DEFENSE MEDIA ACTIVITY.....	217,585 227,585
190	DEFENSE POW /MISSING PERSONS OFFICE.....	131,268 146,268
200	DEFENSE SECURITY COOPERATION AGENCY.....	722,496 631,670
210	DEFENSE SECURITY SERVICE.....	683,665 653,665
230	DEFENSE TECHNOLOGY SECURITY AGENCY.....	34,712 34,712
240	DEFENSE THREAT REDUCTION AGENCY.....	542,604 530,604
260	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY.....	2,794,389 2,752,903

34A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
270 MISSILE DEFENSE AGENCY.....	504,058	477,808
290 OFFICE OF ECONOMIC ADJUSTMENT.....	57,840	57,840
300 OFFICE OF THE SECRETARY OF DEFENSE.....	1,488,344	1,485,899
310 SPECIAL OPERATIONS COMMAND.....	94,273	91,698
320 WASHINGTON HEADQUARTERS SERVICES.....	436,776	421,176
OTHER PROGRAMS.....	14,806,404	14,706,381
TOTAL, BUDGET ACTIVITY 4.....	27,976,345	27,697,261
IMPACT AID.....	---	30,000
IMPACT AID FOR CHILDREN WITH DISABILITIES.....	---	5,000
OVERESTIMATION OF CIVILIAN FTE TARGETS.....	---	-108,617
UNJUSTIFIED GROWTH IN TRAVEL.....	---	-50,000
COMMENDATION PROGRAM FOR MILITARY WORKING DOGS AND THEIR HANDLERS (HOUSE FLOOR AMENDMENT #9).....	---	100
O&M TRANSFER TO DAWDF.....	---	-136,000
PFOS/PFOA STUDIES AND ANALYSIS.....	---	10,000
PROGRAM INCREASE--JOINT TRAVEL REGULATIONS--LONG-TERM TDY WAIVERS.....	---	100
TOTAL, OPERATION AND MAINTENANCE, DEFENSE-WIDE.....	===== 34,585,817 =====	===== 34,059,257 =====

34B

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
**[In thousands of dollars]**

O-1	Budget Request	Final Bill
<b>1PL1 JOINT CHIEFS OF STAFF</b>	<b>440,853</b>	<b>435,853</b>
Historical underexecution		-5,000
<b>1PL2 SPECIAL OPERATIONS COMMAND</b>	<b>5,008,274</b>	<b>5,016,244</b>
Base support - collateral equipment ahead of need		-7,181
Other operations - civilian FTE pricing		-5,719
Other operations - unjustified growth		-19,872
Flight operations - remove one-time fiscal year 2017 costs		-2,567
Depot maintenance and CLS discrepancies		-20,000
Program increase - joint task force platform expansion - outfit OCONUS facility w/ C4I infrastructure		6,300
Combat development activities - historical underexecution		-30,000
Combat development activities - classified adjustment		-6,000
Communications - reduction for one-time increase		-559
Force related training - reduction for one-time increase		-2,864
Other operations - reduction for civil military support engagement unjustified growth		-2,834
Other operations - reduction for TSOC persistent engagement unjustified growth		-2,185
SOCOM central airlift account		100,000
Program increase - combat development activities		1,451
<b>3EV2 DEFENSE ACQUISITION UNIVERSITY</b>	<b>144,970</b>	<b>142,941</b>
Overestimation of travel		-2,029
<b>3PL1 JOINT CHIEFS OF STAFF</b>	<b>84,402</b>	<b>86,402</b>
Program increase - National Asia Research Program - NDU		2,000
<b>3EV7 SPECIAL OPERATIONS COMMAND / TRAINING AND RECRUITING</b>	<b>379,462</b>	<b>378,462</b>
Specialized skill training - historical underexecution		-1,000
<b>4GT3 CIVIL MILITARY PROGRAMS</b>	<b>183,000</b>	<b>235,900</b>
Program increase - innovative readiness training		10,000
Program increase - National Guard Youth Challenge		30,000
Program increase - STARBASE		12,900
<b>4GT6 DEFENSE CONTRACT AUDIT AGENCY</b>	<b>597,836</b>	<b>588,347</b>
Program decrease not properly accounted		-5,600
Unjustified growth		-3,889
<b>4GTO DEFENSE CONTRACT MANAGEMENT AGENCY</b>	<b>1,439,010</b>	<b>1,418,485</b>
Unjustified growth		-20,525

(34C)



O-1		Budget Request	Final Bill
<b>4GT8</b>	<b>DEFENSE HUMAN RESOURCES AGENCY</b>	<b>807,754</b>	<b>837,262</b>
	Unjustified growth		-2,117
	Program increase - Beyond Yellow Ribbon Program		20,000
	Program increase - language flagship program - Arabic		1,625
	Program increase - defense suicide prevention office		4,000
	Program decreases not properly accounted		-10,000
	Unjustified growth		-20,000
	Program increase - Special Victims' Counsel		35,000
	Program increase - joint advertising, marketing research, and studies		1,000
<b>4GT9</b>	<b>DEFENSE INFORMATION SYSTEMS AGENCY</b>	<b>2,009,702</b>	<b>1,985,846</b>
	Unjustified growth		-10,000
	Unjustified transfer		-16,356
	Program increase - joint regional security stack		2,500
<b>4GTB</b>	<b>DEFENSE LOGISTICS AGENCY</b>	<b>400,422</b>	<b>389,005</b>
	Program decreases not properly accounted		-14,324
	Unjustified growth		-7,000
	Unjustified transfer		-4,393
	Program increase - Procurement Technical Assistance Program		14,300
<b>ES18</b>	<b>DEFENSE MEDIA ACTIVITY</b>	<b>217,585</b>	<b>227,585</b>
	Program increase - IP streaming upgrades		10,000
<b>4GTC</b>	<b>DEFENSE POW/MIA ACCOUNTING AGENCY</b>	<b>131,268</b>	<b>146,268</b>
	Program increase - southeast Asia		10,000
	Program increase - DPAA public-private partnerships		5,000
<b>4GTD</b>	<b>DEFENSE SECURITY COOPERATION AGENCY</b>	<b>722,496</b>	<b>631,670</b>
	Wales Initiative - maintain level of effort		-6,000
	Defense institution reform initiative - maintain level of effort		-3,000
	Program decrease - Building Partnership Capacity section 333		-47,223
	Program decrease - Southeast Asia Maritime Security Initiative		-34,603
<b>4GTE</b>	<b>DEFENSE SECURITY SERVICE</b>	<b>683,665</b>	<b>653,665</b>
	Unjustified growth		-30,000
<b>4GTI</b>	<b>DEFENSE THREAT REDUCTION AGENCY</b>	<b>542,604</b>	<b>530,604</b>
	JIDO mission enablers - unjustified growth		-8,200
	Program decrease not properly accounted		-3,800
<b>4GTJ</b>	<b>DEPARTMENT OF DEFENSE EDUCATION ACTIVITY</b>	<b>2,794,389</b>	<b>2,752,903</b>
	Overestimation		-16,250
	Transfer not properly accounted		-1,486
	Program increase - youth serving organizations		10,000
	Historical underexecution		-33,750
<b>011A</b>	<b>MISSILE DEFENSE AGENCY</b>	<b>504,058</b>	<b>477,808</b>
	Remove one-time fiscal year 2017 costs		-12,138
	Program decrease not properly accounted		-4,000
	Unjustified growth		-12,870
	Program increase - FSRM		2,758

(340)

O-1	Budget Request	Final Bill
<b>4GTN OFFICE OF THE SECRETARY OF DEFENSE</b>	<b>1,488,344</b>	<b>1,485,899</b>
Major headquarters activities - unjustified growth		-5,278
Other programs and initiatives - unjustified growth		-12,121
OUSD AT&L - unjustified growth		-3,000
BRAC support - unjustified growth		-2,046
Program increase - readiness and environmental protection initiative		15,000
Program increase - information assurance scholarship program		5,000
<b>4GT1 SPECIAL OPERATIONS COMMAND</b>	<b>94,273</b>	<b>91,698</b>
Unjustified growth		-2,575
<b>4GTQ WASHINGTON HEADQUARTERS SERVICES</b>	<b>436,776</b>	<b>421,176</b>
Historical underexecution		-6,000
DIUx program - unjustified growth		-9,600
<b>999 OTHER PROGRAMS</b>	<b>14,806,404</b>	<b>14,706,381</b>
Classified adjustment		-100,023
<b>OVERESTIMATION OF CIVILIAN FTE TARGETS</b>		<b>-108,617</b>
<b>TRAVEL UNJUSTIFIED GROWTH</b>		<b>-50,000</b>
<b>PROGRAM INCREASE - IMPACT AID</b>		<b>30,000</b>
<b>PROGRAM INCREASE - IMPACT AID FOR CHILDREN WITH DISABILITIES</b>		<b>5,000</b>
<b>PFOS/PFOA STUDIES AND ANALYSIS</b>		<b>10,000</b>
<b>TRANSFER OPERATION AND MAINTENANCE FUNDS TO PROVIDE APPROPRIATIONS FOR THE DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE DEVELOPMENT FUND</b>		<b>-136,000</b>
<b>PROGRAM INCREASE - AWARDS FOR SERVICE DOGS</b>		<b>100</b>
<b>PROGRAM INCREASE - JOINT TRAVEL REGULATION LONG TERM TEMPORARY DUTY WAIVERS</b>		<b>100</b>

34E

## SPECIAL OPERATIONS COMMAND BUDGET EXECUTION

The consistent realignment of the Special Operations Command's operation and maintenance funding during the year of execution is concerning. The agreement directs the Secretary of Defense to submit a baseline report that shows the Special Operations Command's operation and maintenance funding by sub-activity group for the fiscal year 2018 appropriation not later than 60 days after the enactment of this Act. The Secretary of Defense is further directed to submit quarterly execution reports to the congressional defense committees not later than 45 days after the end of each fiscal quarter that addresses the rationale for the realignment of any funds within and between budget sub-activities and the movement of any base funds used to support Overseas Contingency Operations. Finally, the Secretary of Defense is directed to notify the congressional defense committees 30 days prior to the realignment of funds in excess of \$20,000,000 between sub-activity groups. This language replaces the language included under the heading "Special Operations Command Budget Execution" in House Report 115-219.

## SPECIAL OPERATIONS COMMAND OPERATION AND MAINTENANCE BUDGET JUSTIFICATION

The agreement directs the Commander of the Special Operations Command (SOCOM), in coordination with the Under Secretary of Defense (Comptroller) and the Assistant Secretary of Defense (Special Operations/Low-Intensity Conflict), to submit a report that provides a detailed proposal on how to restructure and formalize the budget formulation and execution of the SOCOM budget by sub-activity group. This report shall also address how the proposed restructure will improve visibility of the SOCOM budget and execution and shall be submitted to the House and Senate Defense Appropriations Subcommittees not later than 90 days after the enactment of this Act.

## WOMEN'S MILITARY SERVICE MEMORIALS AND MUSEUMS

The agreement fully funds Women's Military Service Memorials and Museums at \$5,000,000, as requested in fiscal year 2018.

### PROHIBITED INGREDIENTS

The Department's focus on ensuring that servicemembers are provided healthy, nutritious food is an important part of military readiness. The Defense Logistics Agency's (DLA) recent notice regarding certain prohibited ingredients lacked stakeholder input and was rightfully rescinded. Efforts by DLA to work with industry to assess the impact of reducing or eliminating certain ingredients is an important first step. However, concerns remain about the lack of transparency and scientific justification for restricting certain ingredients. Prior to obligating funding to enact guidance on prohibited ingredients, the Director of DLA is directed to publish scientific justification for DLA's August 2017 notice titled "Request for Disclosure Regarding Prohibited Ingredients"; establish a plan to provide transparent scientific justification; and seek input from a broad group of stakeholders including the Department of Agriculture and the Department of Health and Human Services in accordance with the National Nutrition Monitoring and Related Research Act of 1990 (PL 101-445; 7 U.S.C. 5301 et seq.) on all future nutrition, food or ingredient changes. The Director of DLA is also directed to provide notification to the congressional defense subcommittees of the agency's plans to implement the above requirements.

OPERATION AND MAINTENANCE, ARMY RESERVE

The agreement provides \$2,877,104,000 for Operation and Maintenance, Army Reserve, as follows:

~~(INSERT COMPUTER TABLE)~~ *e*

~~(INSERT PROJECT LEVEL TABLE)~~ *insert 37A-B*

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
OPERATION AND MAINTENANCE, ARMY RESERVE		
BUDGET ACTIVITY 1: OPERATING FORCES		
LAND FORCES		
10	MODULAR SUPPORT BRIGADES.....	11,461 7,461
20	ECHELONS ABOVE BRIGADES.....	577,410 572,410
30	THEATER LEVEL ASSETS.....	117,298 121,298
40	LAND FORCES OPERATIONS SUPPORT.....	552,016 560,016
50	AVIATION ASSETS.....	80,302 75,302
LAND FORCES READINESS		
60	FORCES READINESS OPERATIONS SUPPORT.....	399,035 399,035
70	LAND FORCES SYSTEM READINESS.....	102,687 102,687
80	DEPOT MAINTENANCE.....	56,016 43,385
LAND FORCES READINESS SUPPORT		
90	BASE OPERATIONS SUPPORT.....	599,947 581,947
100	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	273,940 284,833
110	MANAGEMENT AND OPERATIONS HEADQUARTERS.....	22,909 22,909
-----		
	TOTAL, BUDGET ACTIVITY 1.....	2,793,021 2,771,283
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
ADMINISTRATION AND SERVICEWIDE ACTIVITIES		
120	SERVICEWIDE TRANSPORTATION.....	11,116 11,116
130	ADMINISTRATION.....	17,962 17,962
140	SERVICEWIDE COMMUNICATIONS.....	18,550 18,550
150	PERSONNEL/FINANCIAL ADMINISTRATION .....	6,166 6,166
160	RECRUITING AND ADVERTISING.....	60,027 60,027
-----		
	TOTAL, BUDGET ACTIVITY 4.....	113,821 113,821
	RESTORE READINESS.....	--- 10,000
	OVERESTIMATION OF CIVILIAN FTE TARGETS .....	--- -18,000
=====		
	TOTAL, OPERATION AND MAINTENANCE, ARMY RESERVE.....	2,906,842 2,877,104
=====		

37A

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
**[In thousands of dollars]**

O-1	Budget Request	Final Bill
<b>112 MODULAR SUPPORT BRIGADES</b>	<b>11,461</b>	<b>7,461</b>
Remove one-time fiscal year 2017 increases		-4,000
<b>113 ECHELONS ABOVE BRIGADES</b>	<b>577,410</b>	<b>572,410</b>
Remove one-time fiscal year 2017 increases		-20,000
Program increase - improve training and maintenance readiness		15,000
<b>114 THEATER LEVEL ASSETS</b>	<b>117,298</b>	<b>121,298</b>
Program increase - improve maintenance readiness		4,000
<b>115 LAND FORCES OPERATIONS SUPPORT</b>	<b>552,016</b>	<b>560,016</b>
Program increase - improve maintenance readiness		8,000
<b>116 AVIATION ASSETS</b>	<b>80,302</b>	<b>75,302</b>
Unjustified growth		-5,000
<b>123 DEPOT MAINTENANCE</b>	<b>56,016</b>	<b>43,385</b>
Remove one-time fiscal year 2017 increases		-10,000
Reimbursable manpower conversion - unjustified growth		-2,631
<b>131 BASE OPERATIONS SUPPORT</b>	<b>599,947</b>	<b>581,947</b>
Unjustified growth		-18,000
<b>132 FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>	<b>273,940</b>	<b>284,833</b>
Remove one-time fiscal year 2017 increases		-8,957
Pine Bluff Reserve Center FSRM - transfer to ARNG line 132		-150
Program increase		20,000
<b>OVERESTIMATION OF CIVILIAN FTE TARGETS</b>		<b>-18,000</b>
<b>RESTORE READINESS</b>		<b>10,000</b>

376

OPERATION AND MAINTENANCE, NAVY RESERVE

The agreement provides \$1,069,707,000 for Operation and Maintenance, Navy Reserve, as follows:

~~(INSERT COMPUTER TABLE)~~ *e*

~~(INSERT PROJECT LEVEL TABLE)~~ *Insert 38A-B*



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
OPERATION AND MAINTENANCE, NAVY RESERVE		
BUDGET ACTIVITY 1: OPERATING FORCES		
10	RESERVE AIR OPERATIONS MISSION AND OTHER FLIGHT OPERATIONS.....	596,876 573,876
20	INTERMEDIATE MAINTENANCE.....	5,902 5,902
30	AIRCRAFT DEPOT MAINTENANCE.....	94,861 94,861
40	AIRCRAFT DEPOT OPERATIONS SUPPORT.....	381 381
50	AVIATION LOGISTICS.....	13,822 13,822
RESERVE SHIP OPERATIONS		
60	SHIP OPERATIONAL SUPPORT AND TRAINING.....	571 571
RESERVE COMBAT OPERATIONS SUPPORT		
70	COMBAT COMMUNICATIONS.....	16,718 16,718
80	COMBAT SUPPORT FORCES.....	118,079 118,079
90	CYBERSPACE ACTIVITIES.....	308 308
RESERVE WEAPONS SUPPORT		
100	ENTERPRISE INFORMATION TECHNOLOGY.....	28,650 28,650
BASE OPERATING SUPPORT		
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	86,354 94,354
120	BASE OPERATING SUPPORT.....	103,596 103,596
-----		
	TOTAL, BUDGET ACTIVITY 1.....	1,066,118 1,051,118
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
ADMINISTRATION AND SERVICEWIDE ACTIVITIES		
130	ADMINISTRATION.....	1,371 1,371
140	MILITARY MANPOWER & PERSONNEL.....	13,289 11,989
160	ACQUISITION AND PROGRAM MANAGEMENT.....	3,229 3,229
-----		
	TOTAL, BUDGET ACTIVITY 4.....	17,889 16,589
	RESTORE READINESS.....	--- 2,000
=====		
	TOTAL, OPERATION AND MAINTENANCE, NAVY RESERVE.....	1,084,007 1,069,707
=====		

38A

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

O-1	Budget Request	Final Bill
<b>1A1A MISSION AND OTHER FLIGHT OPERATIONS</b>	<b>596,876</b>	<b>573,876</b>
Unjustified growth		-23,000
<b>BSMR FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>	<b>86,354</b>	<b>94,354</b>
Program increase		8,000
<b>4A4M MILITARY MANPOWER &amp; PERSONNEL</b>	<b>13,289</b>	<b>11,989</b>
Program decrease not properly accounted		-1,300
<b>RESTORE READINESS</b>		<b>2,000</b>

OPERATION AND MAINTENANCE, MARINE CORPS RESERVE

The agreement provides \$284,837,000 for Operation and Maintenance, Marine Corps Reserve, as follows:

~~(INSERT COMPUTER TABLE)~~ <sup>o</sup>

~~(INSERT PROJECT LEVEL TABLE)~~ insert 39A-B

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
OPERATION AND MAINTENANCE, MARINE CORPS RESERVE		
BUDGET ACTIVITY 1: OPERATING FORCES		
10	EXPEDITIONARY FORCES	
	OPERATING FORCES.....	103,468 103,468
20	DEPOT MAINTENANCE.....	18,794 18,794
30	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	32,777 36,777
40	BASE OPERATING SUPPORT.....	111,213 111,213
	TOTAL, BUDGET ACTIVITY 1.....	266,252 270,252
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
ADMINISTRATION AND SERVICEWIDE ACTIVITIES		
60	ADMINISTRATION.....	12,585 12,585
	TOTAL, BUDGET ACTIVITY 4.....	12,585 12,585
	RESTORE READINESS.....	--- 2,000
	TOTAL, OPERATION & MAINTENANCE, MARINE CORPS RESERVE	278,837 284,837

39A

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Final Bill
BSM1 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	32,777	36,777
Program increase		4,000
RESTORE READINESS		2,000

39B

OPERATION AND MAINTENANCE, AIR FORCE RESERVE

The agreement provides \$3,202,307,000 for Operation and Maintenance, Air Force Reserve, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~ Insert 40A-B

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
OPERATION AND MAINTENANCE, AIR FORCE RESERVE		
BUDGET ACTIVITY 1: OPERATING FORCES		
10	AIR OPERATIONS	
	PRIMARY COMBAT FORCES.....	1,801,007 1,751,007
20	MISSION SUPPORT OPERATIONS.....	210,642 210,642
30	DEPOT MAINTENANCE.....	403,867 403,867
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	124,951 132,951
50	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT.....	240,835 266,635
60	BASE OPERATING SUPPORT.....	371,878 371,878
	TOTAL, BUDGET ACTIVITY 1.....	3,153,180 3,136,980
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
ADMINISTRATION AND SERVICEWIDE ACTIVITIES		
70	ADMINISTRATION.....	74,153 74,153
80	RECRUITING AND ADVERTISING.....	19,522 18,522
90	MILITARY MANPOWER AND PERSONNEL MANAGEMENT.....	12,765 12,765
100	OTHER PERSONNEL SUPPORT.....	7,495 7,495
110	AUDIOVISUAL.....	392 392
	TOTAL, BUDGET ACTIVITY 4.....	114,327 113,327
	RESTORE READINESS.....	--- 2,000
	OVERESTIMATION OF CIVILIAN FTE TARGETS.....	--- -50,000
	TOTAL, OPERATION AND MAINTENANCE, AIR FORCE RESERVE.	3,267,507 3,202,307

40A

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

O-1	Budget Request	Final Bill
<b>011A PRIMARY COMBAT FORCES</b> Unjustified growth	1,801,007	1,751,007 -50,000
<b>011R FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b> Program increase	124,951	132,951 8,000
<b>011W CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT</b> Program increase - WSS C5 CLS AMP/REPR workload and C17 CLS workload for cargo aircraft	240,835	266,635 25,800
<b>042J RECRUITING AND ADVERTISING</b> Unjustified growth	19,522	18,522 -1,000
<b>OVERESTIMATION OF CIVILIAN FTE TARGETS</b>		-50,000
<b>RESTORE READINESS</b>		2,000

(40B)



OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD

The agreement provides \$7,284,170,000 for Operation and Maintenance, Army National Guard, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 41A-B

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD		
BUDGET ACTIVITY 1: OPERATING FORCES		
10	LAND FORCES MANEUVER UNITS.....	777,883 765,683
20	MODULAR SUPPORT BRIGADES.....	190,639 182,639
30	ECHELONS ABOVE BRIGADE.....	807,557 811,317
40	THEATER LEVEL ASSETS.....	85,476 93,636
50	LAND FORCES OPERATIONS SUPPORT.....	36,672 36,672
60	AVIATION ASSETS.....	956,381 963,661
70	LAND FORCES READINESS FORCE READINESS OPERATIONS SUPPORT.....	777,756 779,456
80	LAND FORCES SYSTEMS READINESS.....	51,506 51,506
90	LAND FORCES DEPOT MAINTENANCE.....	244,942 244,942
100	LAND FORCES READINESS SUPPORT BASE OPERATIONS SUPPORT.....	1,144,726 1,129,726
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	781,895 852,045
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS.....	999,052 994,052
	TOTAL, BUDGET ACTIVITY 1.....	6,854,485 6,905,335
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
ADMINISTRATION AND SERVICEWIDE ACTIVITIES		
130	SERVICEWIDE TRANSPORTATION.....	7,703 7,703
140	ADMINISTRATION.....	79,236 80,386
150	SERVICEWIDE COMMUNICATIONS.....	85,160 85,160
160	MANPOWER MANAGEMENT.....	8,654 8,654
170	RECRUITING AND ADVERTISING.....	268,839 268,839
180	REAL ESTATE MANAGEMENT.....	3,093 3,093
	TOTAL, BUDGET ACTIVITY 4.....	452,685 453,835
	RESTORE READINESS.....	--- 20,000
	REMOVE FY17 INCREASE.....	--- -57,000
	OVERESTIMATION OF CIVILIAN FTE TARGETS.....	--- -38,000
	TOTAL, OPERATION & MAINTENANCE, ARMY NATIONAL GUARD.	7,307,170 7,284,170

HIA

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

O-1	Budget Request	Final Bill
<b>111 MANEUVER UNITS</b>	<b>777,883</b>	<b>765,683</b>
Remove one-time fiscal year 2017 increase		-20,000
Program increase - improve training and maintenance readiness		6,800
Program increase - expanded training environment		1,000
<b>112 MODULAR SUPPORT BRIGADES</b>	<b>190,639</b>	<b>182,639</b>
Remove one-time fiscal year 2017 increase		-8,000
<b>113 ECHELONS ABOVE BRIGADE</b>	<b>807,557</b>	<b>811,317</b>
Remove one-time fiscal year 2017 increase		-5,000
Program increase - improve training and maintenance readiness		4,760
Program increase - training and operational support of the southwest border		4,000
<b>114 THEATER LEVEL ASSETS</b>	<b>85,476</b>	<b>93,636</b>
Program increase - improve maintenance readiness		3,160
Program increase - training and operational support of the southwest border		5,000
<b>116 AVIATION ASSETS</b>	<b>956,381</b>	<b>963,661</b>
Program increase - improve maintenance readiness		7,280
<b>121 FORCE READINESS OPERATIONS SUPPORT</b>	<b>777,756</b>	<b>779,456</b>
Program increase - trauma training		1,200
Program increase - cyber protection teams		500
<b>131 BASE OPERATIONS SUPPORT</b>	<b>1,144,726</b>	<b>1,129,726</b>
Unjustified growth		-15,000
<b>132 FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>	<b>781,895</b>	<b>852,045</b>
Pine Bluff Reserve Center FSRM - transfer from OMAR line 132		150
Program increase - armory lead abatement		30,000
Program increase		40,000
<b>133 MANAGEMENT AND OPERATIONAL HEADQUARTERS</b>	<b>999,052</b>	<b>994,052</b>
Program decrease not properly accounted		-5,000
<b>431 ADMINISTRATION</b>	<b>79,236</b>	<b>80,386</b>
Program increase - State Partnership Program		1,150
<b>OVERESTIMATION OF CIVILIAN FTE TARGETS</b>		<b>-38,000</b>
<b>REMOVE ONE-TIME FISCAL YEAR 2017 INCREASE</b>		<b>-57,000</b>
<b>RESTORE READINESS</b>		<b>20,000</b>

413

OPERATION AND MAINTENANCE, AIR NATIONAL GUARD

The agreement provides \$6,900,798,000 for Operation and Maintenance, Air National Guard, as follows:

~~(INSERT COMPUTER TABLE)~~ *e*

~~(INSERT PROJECT LEVEL TABLE)~~

insert 42A-B

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
OPERATION AND MAINTENANCE, AIR NATIONAL GUARD		
BUDGET ACTIVITY 1: OPERATING FORCES		
10	AIR OPERATIONS	
	AIRCRAFT OPERATIONS.....	3,175,055 3,095,055
20	MISSION SUPPORT OPERATIONS.....	746,082 746,432
30	DEPOT MAINTENANCE.....	867,063 867,063
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	325,090 345,090
50	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT.....	1,100,829 1,104,309
60	BASE OPERATING SUPPORT.....	583,664 583,664
	TOTAL, BUDGET ACTIVITY 1.....	6,797,783 6,741,613
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
SERVICEWIDE ACTIVITIES		
70	ADMINISTRATION.....	44,955 44,955
80	RECRUITING AND ADVERTISING.....	97,230 97,230
	TOTAL, BUDGET ACTIVITY 4.....	142,185 142,185
	RESTORE READINESS.....	--- 10,000
	AIR NATIONAL GUARD WILDFIRE TRAINING.....	--- 7,000
	TOTAL, OPERATION & MAINTENANCE, AIR NATIONAL GUARD..	6,939,968 6,900,798

42A

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
**[In thousands of dollars]**

O-1	Budget Request	Final Bill
<b>011F AIRCRAFT OPERATIONS</b>	<b>3,175,055</b>	<b>3,095,055</b>
Projected underexecution		-80,000
<b>011G MISSION SUPPORT OPERATIONS</b>	<b>746,082</b>	<b>746,432</b>
Unjustified growth		-10,000
Program increase - trauma training		1,800
Program increase - information technology service management for the Air National Guard		7,400
Program increase - State Partnership Program		1,150
<b>011R FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>	<b>325,090</b>	<b>345,090</b>
Program increase		20,000
<b>011W CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT</b>	<b>1,100,829</b>	<b>1,104,309</b>
Program decrease not properly accounted		-20,000
Program increase - increase weapons systems sustainment for the Air National Guard		23,480
<b>AIR NATIONAL GUARD WILDFIRE TRAINING</b>		<b>7,000</b>
<b>RESTORE READINESS</b>		<b>10,000</b>

42B

## UNITED STATES COURT OF APPEALS FOR THE ARMED FORCES

The agreement provides \$14,538,000 for the United States Court of Appeals for the Armed Forces.

## ENVIRONMENTAL RESTORATION, ARMY

The agreement provides \$235,809,000, an increase of \$20,000,000 above the budget request, for Environmental Restoration, Army.

## ENVIRONMENTAL RESTORATION, NAVY

The agreement provides \$365,883,000, an increase of \$84,468,000 above the budget request, for Environmental Restoration, Navy. Specifically, \$42,234,000 is provided as a general program increase and \$42,234,000 is provided to address costs associated with remediating contamination caused by perfluorinated chemicals.

## VIEQUES AND CULEBRA ENVIRONMENTAL RESTORATION

The agreement retains the language included under the heading "Vieques and Culebra Environmental Restoration" in House Report 115-219; however, the Secretary of the Navy is directed to provide the report on Vieques and the Secretary of the Army is directed to provide the report on Culebra.

## ENVIRONMENTAL RESTORATION, AIR FORCE

The agreement provides \$352,549,000, an increase of \$58,800,000 above the budget request, for Environmental Restoration, Air Force. Specifically, \$15,000,000 is provided as a general program increase and \$43,800,000 is provided to address costs associated with remediating contamination caused by perfluorinated chemicals.

## ENVIRONMENTAL RESTORATION, DEFENSE-WIDE

The agreement provides \$19,002,000, an increase of \$10,000,000 above the budget request, for Environmental Restoration, Defense-Wide. The increase is provided to address health screenings related to contaminated water.

## ENVIRONMENTAL RESTORATION, FORMERLY USED DEFENSE SITES

The agreement provides \$248,673,000, an increase of \$40,000,000 above the budget request, for Environmental Restoration, Formerly Used Defense Sites.

## OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID

The agreement provides \$129,900,000, an increase of \$25,000,000 above the budget request, for Overseas Humanitarian, Disaster, and Civic Aid. Specifically, \$10,000,000 is provided as a program increase for the Humanitarian Mine Action Program, of which \$7,000,000 is for activities in Southeast Asia, and \$15,000,000 is provided as a program increase for Humanitarian Assistance, South China Sea regional engagement.



## COOPERATIVE THREAT REDUCTION ACCOUNT

The agreement provides \$350,000,000 for the Cooperative Threat Reduction Account, as follows:

### EXPLANATION OF PROJECT LEVEL ADJUSTMENTS [In thousands of dollars]

	Budget Request	Final Bill
Strategic Offensive Arms Elimination	12,188	12,188
Chemical Weapons Destruction	5,000	5,000
Global Nuclear Security	17,887	43,287
Program increase - Global Nuclear Security		25,400
Cooperative Biological Engagement	172,753	172,753
Proliferation Prevention	89,792	89,792
Other Assessments/Admin Costs	26,980	26,980
<b>TOTAL, COOPERATIVE THREAT REDUCTION ACCOUNT</b>	<b>324,600</b>	<b>350,000</b>

DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE DEVELOPMENT  
FUND

The agreement provides \$500,000,000 for the Department of Defense Acquisition Workforce Development Fund, as follows:

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

	Budget Request	Final Bill
TRAINING AND DEVELOPMENT	0	279,868
RETENTION AND RECOGNITION	0	19,907
RECRUITING AND HIRING	0	200,225
<b>TOTAL, DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE DEVELOPMENT FUND</b>	<b>0</b>	<b>500,000</b>

BUDGETING FOR THE DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE

To restore program and funding stability for the Department of Defense acquisition workforce, while retaining its unique authorities to ensure the Department of Defense has the capacity in both personnel and skills needed to perform its acquisition mission, the agreement provides a direct appropriation of \$500,000,000 for the Department of Defense Acquisition Workforce Development Fund (DAWDF). As with the President's budget request for fiscal year 2019, the Under Secretary of Defense (Comptroller) is expected to follow this budgeting approach in future budget submissions.

The Under Secretary of Defense (Acquisition and Sustainment) is directed to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act that identifies all budgeted costs for the Department of Defense

acquisition workforce by fiscal year and funding category across the future years defense program in the DAWDF, as well as in regular operation and maintenance and research, development, test and evaluation accounts. In addition, the Under Secretary of Defense (Acquisition and Sustainment) is directed to identify to the congressional defense committees the costs budgeted to pay the salaries of personnel to manage the DAWDF, per Section 843 of the National Defense Authorization Act for Fiscal Year 2018; to provide a cost estimate for the proposed Program Manager Development Program, per Section 841 of the National Defense Authorization Act for Fiscal Year 2018; and to identify any unfunded fiscal year 2019 requirements for the Department of Defense acquisition workforce.

#### REPORTING REQUIREMENTS RELATING TO THE ACQUISITION WORKFORCE

The Secretary of Defense is directed to provide the comprehensive plan required in accordance with Section 841 of the National Defense Authorization Act for Fiscal Year 2018 to the House and Senate Defense Appropriations Subcommittees as well as the Committees on Armed Services of the Senate and the House of Representatives. In addition, the report to be submitted by the Under Secretary of Defense (Acquisition and Sustainment) to the Committees on Armed Services of the Senate and the House of Representatives in accordance with Section 843(c) of the National Defense Authorization Act for Fiscal Year 2018 shall also be provided to the House and Senate Defense Appropriations Subcommittees.

### TITLE III – PROCUREMENT

The agreement provides \$133,868,632,000 in Title III, Procurement, as follows:

~~(INSERT PROCUREMENT SUMMARY TABLE)~~

Insert 48A

(IN THOUSANDS OF DOLLARS)

BUDGET  
REQUEST

FINAL  
BILL

SUMMARY

ARMY

AIRCRAFT.....	4,149,894	5,535,794
MISSILES.....	2,519,054	3,196,910
WEAPONS AND TRACKED COMBAT VEHICLES.....	2,423,608	4,391,573
AMMUNITION.....	1,879,283	2,548,740
OTHER.....	6,469,331	8,298,418
TOTAL, ARMY.....	17,441,170	23,971,435

NAVY

AIRCRAFT.....	14,956,235	19,957,380
WEAPONS.....	3,420,107	3,510,590
AMMUNITION.....	792,345	804,335
SHIPS.....	20,403,607	23,824,738
OTHER.....	7,902,864	7,941,018
MARINE CORPS.....	2,064,825	1,942,737
TOTAL, NAVY.....	49,539,983	57,980,798

AIR FORCE

AIRCRAFT.....	15,430,849	18,504,556
MISSILES.....	2,296,182	2,207,747
SPACE.....	3,370,775	3,552,175
AMMUNITION.....	1,376,602	1,651,977
OTHER.....	19,603,497	20,503,273
TOTAL, AIR FORCE.....	42,077,905	46,419,728

DEFENSE-WIDE

DEFENSE-WIDE.....	4,835,418	5,429,270
DEFENSE PRODUCTION ACT PURCHASES.....	37,401	67,401

TOTAL PROCUREMENT..... 113,931,877 133,868,632

48A

## REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS

The Secretary of Defense is directed to continue to follow the reprogramming guidance as specified in the report accompanying the House version of the Department of Defense Appropriations bill for Fiscal Year 2008 (House Report 110-279). Specifically, the dollar threshold for reprogramming funds shall remain at \$20,000,000 for procurement and \$10,000,000 for research, development, test and evaluation.

Also, the Under Secretary of Defense (Comptroller) is directed to continue to provide the congressional defense committees quarterly, spreadsheet-based DD Form 1416 reports for Service and defense-wide accounts in titles III and IV of this Act. Reports for titles III and IV shall comply with the guidance specified in the explanatory statement accompanying the Department of Defense Appropriations Act, 2006. The Department shall continue to follow the limitation that prior approval reprogrammings are set at either the specified dollar threshold or 20 percent of the procurement or research, development, test and evaluation line, whichever is less. These thresholds are cumulative from the base for reprogramming value as modified by any adjustments. Therefore, if the combined value of transfers into or out of a procurement (P-1) or research, development, test and evaluation (R-1) line exceeds the identified threshold, the Secretary of Defense must submit a prior approval reprogramming to the congressional defense committees. In addition, guidelines on the application of prior approval reprogramming procedures for congressional special interest items are established elsewhere in this statement.

## FUNDING INCREASES

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

## PROCUREMENT SPECIAL INTEREST ITEMS

Items for which additional funds have been provided as shown in the project level tables or in paragraphs using the phrase “only for” or “only to” in the explanatory statement are congressional special interest items for the purpose of the Base for Reprogramming (DD Form 1414). Each of these items must be carried on the DD Form 1414 at the stated amount as specifically addressed in the explanatory statement.

## ARSENAL SUSTAINMENT INITIATIVE

The agreement supports ongoing efforts of the Department of the Army to develop the Army Organic Industrial Base Strategy. This process is identifying manufacturing capabilities at each organic industrial facility that are critical for the country to sustain in wartime and peacetime if the military is called to action. However, there are concerns that while the Army Organic Industrial Base Strategy is identifying capabilities, they have not been prioritized in annual budget requests to Congress. In particular, the Nation’s arsenals are at risk of not having the capacity to respond rapidly to meet the Department’s needs. Addressing this concern, in comments the Army provided to the Government Accountability Office (GAO) in advance of its December 2015 report, “Actions Needed to Identify and Sustain Critical Capabilities,” the Army concurred with the GAO’s recommendation that it must issue “clear and detailed implementation guidance, such as an instruction or guidebook, on the process for conducting make-or-buy analysis in a consistent manner.” The Secretary of the Army is directed to issue such guidance as soon as possible. Further, the Secretary of the Army is directed to assign the arsenals sufficient workload to maintain the critical capabilities identified in the Army Organic Industrial Base Strategy Report and ensure cost efficiency and technical

competence in peacetime, while preserving the ability to provide an effective and timely response to mobilizations, national defense contingency situations, and other emergency requirements. Additionally, it is noted that the congressional defense committees have not received detailed recommendations from the Secretary of Defense on how the Air Force, Navy, and Marine Corps can better use the arsenals for their manufacturing needs, or what opportunities may exist for the arsenals to assist the Services and the Defense Logistics Agency to procure spare parts, as required by Senate Report 114-63.

#### ARMY ORGANIC INDUSTRIAL BASE

The Secretary of the Army is directed to provide written notification to the congressional defense committees not fewer than 45 days prior to the Secretary approving civilian reductions in force that will result in an employment loss of 50 or more full-time employees at any Army organic industrial base facility.



## AIRCRAFT PROCUREMENT, ARMY

The agreement provides \$5,535,794,000 for Aircraft Procurement, Army, as follows:

~~(INSERT COMPUTER TABLE)~~ *e*

~~(INSERT PROJECT LEVEL TABLE)~~ **Insert 52A-D**

### UH-60 BLACK HAWK

The agreement includes funding for 56 UH-60 Black Hawk M models, an increase of eight aircraft above the budget request. Of the 48 aircraft funded within the budget request, 12 are designated only for the Army National Guard. In addition, the eight aircraft included above the budget request are designated only for the Army National Guard.

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL	
-----			
AIRCRAFT PROCUREMENT, ARMY			
AIRCRAFT FIXED WING			
1	SATURN ARCH.....	---	40,000
2	UTILITY F/W CARGO AIRCRAFT.....	75,115	75,115
4	MQ-1 UAV.....	30,206	137,206
ROTARY			
5	UH-72 LAKOTA LIGHT UTILITY HELICOPTER.....	108,383	198,383
6	AH-64 APACHE BLOCK IIIA REMAN.....	725,976	695,376
7	AH-64 APACHE BLOCK IIIA REMAN (AP-CY).....	170,910	170,910
8	AH-64 APACHE BLOCK IIIB NEW BUILD.....	374,100	951,400
9	AH-64 APACHE BLOCK IIIB NEW BUILD (AP-CY).....	71,900	71,900
10	UH-60 BLACKHAWK (MYP).....	938,308	1,078,408
11	UH-60 BLACKHAWK (MYP) (AP-CY).....	86,295	86,295
12	UH-60 BLACKHAWK A AND L MODELS.....	76,516	76,516
13	CH-47 HELICOPTER.....	202,576	438,976
14	CH-47 HELICOPTER (AP-CY).....	17,820	17,820
-----			
	TOTAL, AIRCRAFT.....	2,878,105	3,998,305
MODIFICATION OF AIRCRAFT			
15	MQ-1 PAYLOAD - UAS.....	5,910	29,110
16	UNIVERSAL GROUND CONTROL EQUIPMENT.....	15,000	15,000
17	GRAY EAGLE MODS2.....	74,291	74,291
18	MULTI SENSOR ABN RECON (MIP).....	68,812	72,712
19	AH-64 MODS.....	238,141	238,141
20	CH-47 CARGO HELICOPTER MODS.....	20,166	22,366
21	GRCS SEMA MODS (MIP).....	5,514	5,514
22	ARL SEMA MODS (MIP).....	11,650	11,650

52A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
23 EMARSS SEMA MODS (MIP).....	15,279	15,279
24 UTILITY/CARGO AIRPLANE MODS.....	57,737	57,737
25 UTILITY HELICOPTER MODS.....	5,900	50,709
26 NETWORK AND MISSION PLAN.....	142,102	132,402
27 COMMS, NAV SURVEILLANCE.....	166,050	158,350
28 GATM ROLLUP.....	37,403	37,403
29 RQ-7 UAV MODS.....	83,160	193,160
30 UAS MODS.....	26,109	26,109
TOTAL, MODIFICATION OF AIRCRAFT.....	973,224	1,139,933
SUPPORT EQUIPMENT AND FACILITIES		
GROUND SUPPORT AVIONICS		
31 AIRCRAFT SURVIVABILITY EQUIPMENT.....	70,913	66,804
32 SURVIVABILITY CM.....	5,884	5,884
33 CMWS.....	26,825	57,725
34 COMMON INFRARED COUNTERMEASURES.....	6,337	37,237
OTHER SUPPORT		
35 AVIONICS SUPPORT EQUIPMENT.....	7,038	7,038
36 COMMON GROUND EQUIPMENT.....	47,404	47,404
37 AIRCREW INTEGRATED SYSTEMS.....	47,066	53,366
38 AIR TRAFFIC CONTROL.....	83,790	78,790
39 INDUSTRIAL FACILITIES.....	1,397	1,397
40 LAUNCHER, 2.75 ROCKET.....	1,911	1,911
TOTAL, SUPPORT EQUIPMENT AND FACILITIES.....	298,565	357,556
TOTAL, AIRCRAFT PROCUREMENT, ARMY.....	4,149,894	5,535,794

52B

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

P-1	Budget Request	Final Bill
<b>1 SATURN ARCH</b>	<b>0</b>	<b>40,000</b>
Program increase - two aircraft		40,000
<b>4 MQ-1 UAV</b>	<b>30,206</b>	<b>137,206</b>
Program increase - nine ER-improved Gray Eagle vehicles and payloads		107,000
<b>5 UH-72 LAKOTA LIGHT UTILITY HELICOPTER</b>	<b>108,383</b>	<b>198,383</b>
Program increase - eleven aircraft		90,000
<b>6 AH-64 APACHE BLOCK IIIA REMAN</b>	<b>725,976</b>	<b>695,376</b>
Government furnished equipment and support costs		-30,600
<b>8 AH-64 APACHE BLOCK IIIB NEW BUILD</b>	<b>374,100</b>	<b>951,400</b>
Program increase - 17 new build AH-64E aircraft		577,300
<b>10 UH-60 BLACKHAWK M MODEL (MYP)</b>	<b>938,308</b>	<b>1,078,408</b>
Program increase - eight aircraft for the Army National Guard		108,000
Program increase - UH-60M ECPs for production line modification		62,000
Excess tooling		-9,500
Excess training equipment		-20,400
<b>13 CH-47 HELICOPTER</b>	<b>202,576</b>	<b>438,976</b>
Program increase - four aircraft		140,000
Other support costs undefined		-3,600
Program increase - four new build MH-47G aircraft		100,000
<b>15 MQ-1 PAYLOAD - UAS</b>	<b>5,910</b>	<b>29,110</b>
Program increase - target location accuracy		10,000
Program increase - common sensor payloads		13,200
<b>18 MULTI SENSOR ABN RECON (MIP)</b>	<b>68,812</b>	<b>72,712</b>
Program increase - ELINT upgrades		3,900
<b>20 CH-47 CARGO HELICOPTER MODS</b>	<b>20,166</b>	<b>22,366</b>
Program increase - safety, obsolescence, weight reduction, and maintenance requirements		2,200
<b>25 UTILITY HELICOPTER MODS</b>	<b>5,900</b>	<b>50,709</b>
Program increase - enhanced ballistic armor protection systems		10,000
Program increase - aircraft survivability, protection, and safety requirements		34,809
<b>26 NETWORK AND MISSION PLAN</b>	<b>142,102</b>	<b>132,402</b>
Improved data modem unit cost growth		-3,700
Fielding and training unjustified growth		-6,000

520

P-1	Budget Request	Final Bill
27 COMMS, NAV SURVEILLANCE Unjustified cost growth	166,050	158,350 -7,700
29 RQ-7 UAV MODS Program increase - additional unmanned aerial systems	83,160	193,160 110,000
31 AIRCRAFT SURVIVABILITY EQUIPMENT A-kit cost growth Historical underexecution	70,913	66,804 -1,209 -2,900
33 CMWS Program increase - B-kits to detect enemy MANPADS	26,825	57,725 30,900
34 COMMON INFRARED COUNTERMEASURES (CIRCM) Program increase - B-kits	6,337	37,237 30,900
37 AIRCREW INTEGRATED SYSTEMS Program increase - aircrew restraint tethers for UH-60 and CH-47 aircraft	47,066	53,366  6,300
38 AIR TRAFFIC CONTROL Insufficient budget justification	83,790	78,790 -5,000

52D

MISSILE PROCUREMENT, ARMY

The agreement provides \$3,196,910,000 for Missile Procurement, Army, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~ insert 53A-C

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
MISSILE PROCUREMENT, ARMY		
OTHER MISSILES		
SURFACE-TO-AIR MISSILE SYSTEM		
1	LOWER TIER AIR AND MISSILE DEFENSE (AMD).....	140,826 136,579
2	MSE MISSILE.....	459,040 456,040
3	INDIRECT FIRE PROTECTION CAPABILITY.....	57,742 50,056
AIR-TO-SURFACE MISSILE SYSTEM		
5	HELLFIRE SYS SUMMARY.....	94,790 104,860
6	JOINT AIR-TO-GROUND MSLS (JAGM) .....	178,432 178,432
ANTI-TANK/ASSAULT MISSILE SYSTEM		
8	JAVELIN (AAWS-M) SYSTEM SUMMARY.....	110,123 257,423
9	TOW 2 SYSTEM SUMMARY.....	85,851 85,851
10	TOW 2 SYSTEM SUMMARY (AP-CY).....	19,949 19,949
11	GUIDED MLRS ROCKET (GMLRS).....	595,182 786,446
12	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR).....	28,321 34,651
13	HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS).....	--- 197,000
14	LETHAL MINIATURE AERIAL MISSILE SYSTEMS (LMAMS).....	--- 8,000
-----		
	TOTAL, OTHER MISSILES.....	1,770,256 2,315,287
MODIFICATION OF MISSILES		
MODIFICATIONS		
15	PATRIOT MODS.....	329,073 369,527
16	ATACMS MODS.....	116,040 217,440
17	GMLRS MOD.....	531 531
18	STINGER MODS.....	63,090 55,061
19	AVENGER MODS.....	62,931 62,931
20	ITAS/TOW MODS.....	3,500 3,500
21	MLRS MODS.....	138,235 138,235
22	HIMARS MODIFICATIONS.....	9,566 9,566
-----		
	TOTAL, MODIFICATION OF MISSILES.....	722,966 856,791

53A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
SPARES AND REPAIR PARTS		
23 SPARES AND REPAIR PARTS.....	18,915	17,915
SUPPORT EQUIPMENT AND FACILITIES		
24 AIR DEFENSE TARGETS.....	5,728	5,728
26 PRODUCTION BASE SUPPORT.....	1,189	1,189
-----		
TOTAL, SUPPORT EQUIPMENT AND FACILITIES.....	6,917	6,917
-----		
TOTAL, MISSILE PROCUREMENT, ARMY.....	2,519,054	3,196,910
=====		

53B



**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
**[In thousands of dollars]**

P-1	Budget Request	Final Bill
<b>1 LOWER TIER AIR AND MISSILE DEFENSE (AMD)</b>	<b>140,826</b>	<b>136,579</b>
Recurring logistics growth		-4,247
<b>2 MSE MISSILE</b>	<b>459,040</b>	<b>456,040</b>
Unit cost growth		-3,000
<b>3 INDIRECT FIRE PROTECTION CAPABILITY</b>	<b>57,742</b>	<b>50,056</b>
AIM 9-X unit cost variance		-7,686
<b>5 HELLFIRE SYS SUMMARY</b>	<b>94,790</b>	<b>104,860</b>
Program increase - 106 missiles		10,070
<b>8 JAVELIN (AAWS-M) SYSTEM SUMMARY</b>	<b>110,123</b>	<b>257,423</b>
Program increase - convert CLUs to block 1 configuration		147,300
<b>11 GUIDED MLRS ROCKET (GMLRS)</b>	<b>595,182</b>	<b>786,446</b>
Program increase		187,264
Program increase - production capacity		12,000
Unit cost growth		-8,000
<b>12 MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR)</b>	<b>28,321</b>	<b>34,651</b>
Program increase		6,330
<b>13 HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS)</b>	<b>0</b>	<b>197,000</b>
Program increase - launchers in support of EDI		197,000
<b>14 LMAMS</b>	<b>0</b>	<b>8,000</b>
Program increase - JUON		8,000
<b>15 PATRIOT MODS</b>	<b>329,073</b>	<b>369,527</b>
Program increase - information coordination systems		10,000
Program increase		30,454
<b>16 ATACMS MODS</b>	<b>116,040</b>	<b>217,440</b>
Program increase - 75 missiles		69,400
Program increase - production capacity		32,000
<b>18 STINGER MODS</b>	<b>63,090</b>	<b>55,061</b>
Unit cost variance		-8,029
<b>23 SPARES AND REPAIR PARTS</b>	<b>18,915</b>	<b>17,915</b>
Insufficient budget justification		-1,000

530

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

The agreement provides \$4,391,573,000 for Procurement of Weapons and Tracked Combat Vehicles, Army, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~

insert 54A-D

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL	
-----			
PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES (W&TCV), ARMY			
TRACKED COMBAT VEHICLES			
1	BRADLEY PROGRAM.....	---	283,050
2	ARMORED MULTI PURPOSE VEHICLE (AMPV).....	193,715	304,415
MODIFICATION OF TRACKED COMBAT VEHICLES			
4	STRYKER (MOD).....	97,552	396,552
5	STRYKER UPGRADE.....	---	348,000
6	BRADLEY PROGRAM (MOD).....	444,851	555,851
7	M109 FOV MODIFICATIONS.....	64,230	49,665
8	PALADIN PIPM MOD IN SERVICE.....	646,413	646,413
9	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES).....	72,402	153,378
10	ASSAULT BRIDGE (MOD).....	5,855	4,736
11	ASSAULT BREACHER VEHICLE.....	34,221	64,221
12	M88 FOV MODS.....	4,826	4,826
13	JOINT ASSAULT BRIDGE.....	128,350	128,350
14	M1 ABRAMS TANK (MOD).....	248,826	463,326
15	ABRAMS UPGRADE PROGRAM.....	275,000	645,500
-----			
	TOTAL, TRACKED COMBAT VEHICLES.....	2,216,241	4,048,283
-----			
WEAPONS AND OTHER COMBAT VEHICLES			
18	M240 MEDIUM MACHINE GUN (7.62MM).....	1,992	3,292
19	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON.....	6,520	6,520
20	MORTAR SYSTEMS.....	21,452	21,452
21	XM320 GRENADE LAUNCHER MODULE (GLM).....	4,524	18,524
23	CARBINE.....	43,150	43,150
24	COMMON REMOTELY OPERATED WEAPONS STATION.....	750	22,250
25	MODULAR HANDGUN SYSTEM.....	8,326	8,326

54A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
MOD OF WEAPONS AND OTHER COMBAT VEH		
26 MK-19 GRENADE MACHINE GUN MODS.....	2,000	2,000
27 M777 MODS.....	3,985	89,772
28 M4 CARBINE MODS.....	31,315	31,069
29 M2 50 CAL MACHINE GUN MODS.....	47,414	50,414
30 M249 SAW MACHINE GUN MODS.....	3,339	3,339
31 M240 MEDIUM MACHINE GUN MODS.....	4,577	11,159
32 SNIPER RIFLES MODIFICATIONS.....	1,488	1,488
33 M119 MODIFICATIONS.....	12,678	12,678
34 MORTAR MODIFICATION.....	3,998	3,998
35 MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV).....	2,219	2,219
SUPPORT EQUIPMENT AND FACILITIES		
36 ITEMS LESS THAN \$5.0M (WOCV-WTCV).....	5,075	5,075
37 PRODUCTION BASE SUPPORT (WOCV-WTCV).....	992	992
38 INDUSTRIAL PREPAREDNESS.....	---	4,000
39 SMALL ARMS EQUIPMENT (SOLDIER ENH PROG).....	1,573	1,573
TOTAL, WEAPONS AND OTHER COMBAT VEHICLES.....	207,367	343,290
TOTAL, PROCUREMENT OF W&TCV, ARMY.....	2,423,608	4,391,573

548

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

P-1	Budget Request	Final Bill
<b>1 BRADLEY PROGRAM</b>	<b>0</b>	<b>283,050</b>
Program increase - 85 vehicles		283,050
<b>2 ARMORED MULTI-PURPOSE VEHICLE</b>	<b>193,715</b>	<b>304,415</b>
Program increase - 24 vehicles		110,700
<b>4 STRYKER (MOD)</b>	<b>97,552</b>	<b>396,552</b>
Program increase - Stryker lethality		300,000
C4I obsolescence engineer support growth		-1,000
<b>5 STRYKER UPGRADE</b>	<b>0</b>	<b>348,000</b>
Program increase - 116 Double V-Hull upgrades		348,000
<b>6 BRADLEY PROGRAM (MOD)</b>	<b>444,851</b>	<b>555,851</b>
Program increase - recap M2A4 vehicles		111,000
<b>7 M109 FOV Modifications</b>	<b>64,230</b>	<b>49,665</b>
Execution delays		-14,565
<b>9 IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)</b>	<b>72,402</b>	<b>153,378</b>
Program increase - 19 vehicles		85,975
Fielding costs for unfunded RAA items		-1,175
Management costs for unfunded RAA items		-3,824
<b>10 ASSAULT BRIDGE (MOD)</b>	<b>5,855</b>	<b>4,736</b>
Execution delays		-1,119
<b>11 ARMORED BREACHER VEHICLE</b>	<b>34,221</b>	<b>64,221</b>
Program increase - ABVs, combat dozer blades, and full width mine plows		30,000
<b>14 M1 ABRAMS TANK (MOD)</b>	<b>248,826</b>	<b>463,326</b>
Program increase		218,000
Undefinitized CROWS-LP contract		-3,500
<b>15 ABRAMS UPGRADE PROGRAM</b>	<b>275,000</b>	<b>645,500</b>
Program increase - 29 tanks		375,000
Government support cost growth		-4,500
<b>18 M240 MEDIUM MACHINE GUN</b>	<b>1,992</b>	<b>3,292</b>
Program increase		1,300
<b>21 XM320 GRENADE LAUNCHER MODULE (GLM)</b>	<b>4,524</b>	<b>18,524</b>
Program increase		14,000
<b>24 COMMON REMOTELY OPERATED WEAPONS STATION</b>	<b>750</b>	<b>22,250</b>
Program increase		11,500
Program increase - CROWS modifications to integrate the XM914		10,000
<b>27 M777 MODS</b>	<b>3,985</b>	<b>89,772</b>
Program increase - M777 lightweight towed howitzers and chrome tubes		85,787
<b>28 M4 CARBINE MODS</b>	<b>31,315</b>	<b>31,069</b>
Improved weapons cleaning kit unit price growth		-246

540

P-1

Budget Request

Final Bill

29	<b>M2 50 CAL MACHINE GUN MODS</b>	47,414	50,414
	Program increase - barrel enhancements		3,000
31	<b>M240 MEDIUM MACHINE GUN MODS</b>	4,577	11,159
	Program increase - M240L 7.62mm machine guns		6,582
38	<b>INDUSTRIAL PREPAREDNESS</b>	0	4,000
	Program increase		4,000

(54D)

PROCUREMENT OF AMMUNITION, ARMY

The agreement provides \$2,548,740,000 for Procurement of Ammunition, Army,  
as follows:

~~(INSERT COMPUTER TABLE)~~

~~(INSERT PROJECT LEVEL TABLE)~~

Insert SSA-D

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
PROCUREMENT OF AMMUNITION, ARMY		
AMMUNITION		
SMALL/MEDIUM CAL AMMUNITION		
1	CTG, 5.56MM, ALL TYPES.....	39,767 46,258
2	CTG, 7.62MM, ALL TYPES.....	46,804 61,704
3	CTG, HANDGUN, ALL TYPES.....	10,413 10,413
4	CTG, .50 CAL, ALL TYPES.....	62,837 71,322
5	CTG, 20MM, ALL TYPES.....	8,208 8,208
6	CTG, 25MM, ALL TYPES.....	8,640 40,502
7	CTG, 30MM, ALL TYPES.....	76,850 79,000
8	CTG, 40MM, ALL TYPES.....	108,189 125,380
MORTAR AMMUNITION		
9	60MM MORTAR, ALL TYPES.....	57,359 55,359
10	81MM MORTAR, ALL TYPES.....	49,471 49,471
11	120MM MORTAR, ALL TYPES.....	91,528 108,328
TANK AMMUNITION		
12	CTG TANK 105MM AND 120MM: ALL TYPES.....	133,500 163,700
ARTILLERY AMMUNITION		
13	CTG, ARTY, 75MM AND 105MM: ALL TYPES.....	44,200 44,200
14	ARTILLERY PROJECTILE, 155MM, ALL TYPES.....	187,149 279,449
15	PROJ 155MM EXTENDED RANGE XM982.....	49,000 197,000
16	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL TYPES...	83,046 162,768
MINES		
17	MINES AND CLEARING CHARGES, ALL TYPES.....	3,942 3,942
ROCKETS		
19	SHOULDER LAUNCHED MUNITIONS, ALL TYPES.....	5,000 5,000
20	ROCKET, HYDRA 70, ALL TYPES.....	161,155 222,155

55A



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
OTHER AMMUNITION		
21 CAD/PAD ALL TYPES.....	7,441	7,441
22 DEMOLITION MUNITIONS, ALL TYPES.....	19,345	19,345
23 GRENADES, ALL TYPES.....	22,759	32,615
24 SIGNALS, ALL TYPES.....	2,583	2,083
25 SIMULATORS, ALL TYPES.....	13,084	13,084
MISCELLANEOUS		
26 AMMO COMPONENTS, ALL TYPES.....	12,237	12,237
27 NON-LETHAL AMMUNITION, ALL TYPES.....	1,500	1,500
28 ITEMS LESS THAN \$5 MILLION.....	10,730	10,730
29 AMMUNITION PECULIAR EQUIPMENT.....	16,425	16,425
30 FIRST DESTINATION TRANSPORTATION (AMMO).....	15,221	15,221
-----		
TOTAL, AMMUNITION.....	1,348,383	1,864,840
AMMUNITION PRODUCTION BASE SUPPORT		
PRODUCTION BASE SUPPORT		
32 PROVISION OF INDUSTRIAL FACILITIES.....	329,356	429,356
33 CONVENTIONAL MUNITIONS DEMILITARIZATION, ALL.....	197,825	250,825
34 ARMS INITIATIVE.....	3,719	3,719
-----		
TOTAL, AMMUNITION PRODUCTION BASE SUPPORT.....	530,900	683,900
-----		
TOTAL, PROCUREMENT OF AMMUNITION, ARMY.....	1,879,283	2,548,740
=====		

SSB

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
**[In thousands of dollars]**

P-1	Budget Request	Final Bill
1 CTG, 5.56MM, ALL TYPES Program increase	39,767	46,258 6,491
2 CTG, 7.62MM, ALL TYPES Program increase	46,804	61,704 14,900
4 CTG, .50 CAL, ALL TYPES Program increase	62,837	71,322 8,485
6 CTG, 25MM, ALL TYPES Program increase	8,640	40,502 31,862
7 CTG, 30MM, ALL TYPES Program increase	76,850	79,000 2,150
8 CTG, 40MM, ALL TYPES Program increase	108,189	125,380 17,191
9 60MM MORTAR, ALL TYPES 60MM ILLUM VL M721 acquisition strategy	57,359	55,359 -2,000
11 120MM MORTAR, ALL TYPES Program increase	91,528	108,328 16,800
12 CTG TANK 105MM AND 120MM: ALL TYPES 120MM APFSDS-T acquisition strategy Program increase	133,500	163,700 -10,100 40,300
14 ARTILLERY PROJECTILE, 155MM, ALL TYPES BONUS projectile acquisition strategy 155MM HE IM training round engineering change proposal cost growth Program increase	187,149	279,449 -35,500 -1,500 129,300
15 PROJ 155MM EXTENDED RANGE XM982 Complete round unit cost growth Program increase	49,000	197,000 -2,000 150,000
16 ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL TYPES Program increase	83,046	162,768 79,722
20 ROCKET, HYDRA 70, ALL TYPES Program increase - APKWS APKWS unit cost discrepancy	161,155	222,155 68,000 -7,000
23 GRENADES, ALL TYPES White smoke M83 unit cost growth Program increase	22,759	32,615 -144 10,000

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P-1	Budget Request	Final Bill
24 SIGNALS, ALL TYPES Historical underexecution	2,583	2,083 -500
32 PROVISION OF INDUSTRIAL FACILITIES Program increase	329,356	429,356 100,000
33 CONVENTIONAL MUNITIONS DEMILITARIZATION, ALL Program increase - destruction of obsolete and unsafe munitions	197,825	250,825 53,000

55D

## OTHER PROCUREMENT, ARMY

The agreement provides \$8,298,418,000 for Other Procurement, Army, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~ Insert 56A-K

### GROUND MOBILITY VEHICLE

The Army plan to procure a limited quantity of ground mobility vehicles (GMV) for use by airborne brigades raises concerns due to the high unit cost of the existing vehicles. However, due to the urgent requirement and the advanced stage of the Special Operations Command GMV program, the agreement includes full funding for this program and supports the interim acquisition strategy for 295 A-GMV 1.1 vehicles for fielding to conventional Army airborne brigades and 317 GMV 1.1 vehicles for fielding to the United States Army Special Operations Command. However, it is noted that a comparison of GMV unit cost targets proposed by the Army against actual unit costs contained in other Department of Defense contracts indicates that a developmental vehicle may cost more per unit than available non-development vehicles. Therefore, the

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
OTHER PROCUREMENT, ARMY		
TACTICAL AND SUPPORT VEHICLES		
TACTICAL VEHICLES		
1	TACTICAL TRAILERS/DOLLY SETS.....	9,716 7,716
2	SEMITRAILERS, FLATBED:.....	14,151 36,151
3	HIGH MOBILITY MULTI-PURPOSE WHEELED VEHICLE (HMMWV)...	53,000 78,000
4	GROUND MOBILITY VEHICLES (GMV).....	40,935 40,935
5	ARNG HMMWV MODERNIZATION PROGRAM.....	--- 220,000
6	JOINT LIGHT TACTICAL VEHICLE.....	804,440 834,440
7	TRUCK, DUMP, 20t (CCE).....	967 967
8	FAMILY OF MEDIUM TACTICAL VEH (FMTV).....	78,650 232,750
9	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMEN.....	19,404 19,404
10	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV).....	81,656 84,321
11	PLS ESP.....	7,129 59,729
12	HEAVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV.....	--- 112,250
13	TACTICAL WHEELED VEHICLE PROTECTION KITS.....	43,040 42,040
14	MODIFICATION OF IN SVC EQUIP.....	83,940 81,940
NON-TACTICAL VEHICLES		
16	HEAVY ARMORED SEDAN.....	269 269
17	PASSENGER CARRYING VEHICLES.....	1,320 1,320
18	NONTACTICAL VEHICLES, OTHER.....	6,964 6,964
-----		
	TOTAL, TACTICAL AND SUPPORT VEHICLES.....	1,245,581 1,859,196
COMMUNICATIONS AND ELECTRONICS EQUIPMENT		
COMM - JOINT COMMUNICATIONS		
19	WIN-T - GROUND FORCES TACTICAL NETWORK.....	420,492 102,400
20	SIGNAL MODERNIZATION PROGRAM.....	92,718 280,944
21	TACTICAL NETWORK TECHNOLOGY MOD IN SERVICE.....	150,497 414,597
22	JOINT INCIDENT SITE COMMUNICATIONS CAPABILITY.....	6,065 6,065
23	JCSE EQUIPMENT (USREDCOM).....	5,051 5,051
COMM - SATELLITE COMMUNICATIONS		
24	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS.....	161,383 155,551
25	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS.....	62,600 80,600
26	SHF TERM.....	11,622 11,622
28	SMART-T (SPACE).....	6,799 6,799
29	GLOBAL BRDCST SVC - GBS.....	7,065 7,065
31	ENROUTE MISSION COMMAND (EMC).....	21,667 21,667

56A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
COMM - COMBAT SUPPORT COMM		
33 MOD OF IN-SERVICE PROFILER.....	70	70
COMM - C3 SYSTEM		
34 ARMY GLOBAL CMD & CONTROL SYS (AGCCS).....	2,658	2,658
COMM - COMBAT COMMUNICATIONS		
36 HANDHELD MANPACK SMALL FORM FIT (HMS).....	355,351	415,351
37 MID-TIER NETWORKING VEHICULAR RADIO (MNVR).....	25,100	---
38 RADIO TERMINAL SET, MIDS LVT(2).....	11,160	11,160
40 TRACTOR DESK.....	2,041	2,041
41 TRACTOR RIDE.....	5,534	41,144
42 SPIDER APLA REMOTE CONTROL UNIT.....	996	996
43 SPIDER FAMILY OF NETWORKED MUNITIONS INCREASE.....	4,500	4,500
45 TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM.....	4,411	4,411
46 UNIFIED COMMAND SUITE.....	15,275	15,275
47 FAMILY OF MED COMM FOR COMBAT CASUALTY CARE.....	15,964	15,964
COMM - INTELLIGENCE COMM		
49 CI AUTOMATION ARCHITECTURE (MIP).....	9,560	9,560
50 DEFENSE MILITARY DECEPTION INITIATIVE.....	4,030	4,030
INFORMATION SECURITY		
54 COMMUNICATIONS SECURITY (COMSEC).....	107,804	104,484
55 DEFENSIVE CYBER OPERATIONS.....	53,436	53,436
56 INSIDER THREAT PROGRAM - UNIT ACTIVITY MONITOR.....	690	690
57 PERSISTENT CYBER TRAINING ENVIRONMENT.....	4,000	4,000
COMM - LONG HAUL COMMUNICATIONS		
58 BASE SUPPORT COMMUNICATIONS.....	43,751	45,751
COMM - BASE COMMUNICATIONS		
59 INFORMATION SYSTEMS.....	118,101	85,570
60 EMERGENCY MANAGEMENT MODERNIZATION PROGRAM.....	4,490	4,490
61 HOME STATION MISSION COMMAND CENTERS (MSMCC).....	20,050	20,050
62 INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM.....	186,251	186,251
ELECT EQUIP		
ELECT EQUIP - TACT INT REL ACT (TIARA)		
65 JTT/CIBS-M (MIP).....	12,154	12,154
68 DCGS-A (MIP).....	274,782	274,782
70 TROJAN (MIP).....	16,052	16,052
71 MOD OF IN-SVC EQUIP (INTEL SPT) (MIP).....	51,034	51,034

56B

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
72 CI HUMINT AUTO REPRTING AND COLL(CHARCS) (MIP).....	7,815	7,815
73 CLOSE ACCESS TARGET RECONNAISSANCE (CATR).....	8,050	8,050
74 MACHINE FOREIGN LANGUAGE TRANSLATION SYSTEM.....	567	567
ELECT EQUIP - ELECTRONIC WARFARE (EW)		
76 LIGHTWEIGHT COUNTER MORTAR RADAR.....	20,459	20,459
77 EW PLANNING AND MANAGEMENT TOOLS.....	5,805	5,805
78 AIR VIGILANCE (AV).....	5,348	5,348
79 CREW.....	---	25,600
81 COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES.....	469	469
82 CI MODERNIZATION (MIP).....	285	285
ELECT EQUIP - TACTICAL SURV. (TAC SURV)		
83 SENTINEL MODS.....	28,491	100,491
84 NIGHT VISION DEVICES.....	166,493	182,242
85 SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF.....	13,947	16,097
87 INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS.....	21,380	608,613
88 FAMILY OF WEAPON SIGHTS (FWS).....	59,105	59,105
89 ARTILLERY ACCURACY EQUIP.....	2,129	2,129
91 JOINT BATTLE COMMAND - PLATFORM (JBC-P).....	282,549	342,649
92 JOINT EFFECTS TARGETING SYSTEM (JETS).....	48,664	48,664
93 MOD OF IN-SERVICE EQUIPMENT (LLDR).....	5,198	5,198
94 COMPUTER BALLISTICS: LHMC XM32.....	8,117	8,117
95 MORTAR FIRE CONTROL SYSTEM.....	31,813	31,813
96 COUNTERFIRE RADARS.....	329,057	400,530

560

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
ELECT EQUIP - TACTICAL C2 SYSTEMS		
97 FIRE SUPPORT C2 FAMILY.....	8,700	8,700
98 AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD).....	26,635	123,613
100 LIFE CYCLE SOFTWARE SUPPORT (LCSS).....	1,992	1,992
101 NETWORK MANAGEMENT INITIALIZATION AND SERVICE.....	15,179	15,179
102 MANEUVER CONTROL SYSTEM (MCS).....	132,572	72,672
103 GLOBAL COMBAT SUPPORT SYSTEM-ARMY.....	37,201	37,201
104 INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY.....	16,140	16,140
105 RECONNAISSANCE AND SURVEYING INSTRUMENT SET.....	6,093	6,093
106 MOD OF IN-SERVICE EQUIPMENT (ENFIRE).....	1,134	1,134
ELECT EQUIP - AUTOMATION		
107 ARMY TRAINING MODERNIZATION.....	11,575	11,575
108 AUTOMATED DATA PROCESSING EQUIPMENT.....	91,983	87,983
109 GENERAL FUND ENTERPRISE BUSINESS SYSTEM.....	4,465	4,465
110 HIGH PERF COMPUTING MOD PROGRAM.....	66,363	66,363
111 CONTRACT WRITING SYSTEM.....	1,001	1,001
112 RESERVE COMPONENT AUTOMATION SYS (RCAS).....	26,183	26,183
ELECT EQUIP - AUDIO VISUAL SYS (A/V)		
113 TACTICAL DIGITAL MEDIA.....	4,441	4,441
114 ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT).....	3,414	3,414
ELECT EQUIP - SUPPORT		
115 PRODUCTION BASE SUPPORT (C-E).....	499	499
116 BCT EMERGING TECHNOLOGIES.....	25,050	25,050
TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT.....	3,821,565	4,872,009

56D



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
OTHER SUPPORT EQUIPMENT		
CHEMICAL DEFENSIVE EQUIPMENT		
117 PROTECTIVE SYSTEMS.....	1,613	1,613
118 FAMILY OF NON-LETHAL EQUIPMENT (FNLE).....	9,696	16,696
119 BASE DEFENSE SYSTEMS (BDS).....	---	22,200
120 CBRN DEFENSE.....	11,110	36,246
BRIDGING EQUIPMENT		
121 TACTICAL BRIDGING.....	16,610	16,610
122 TACTICAL BRIDGE, FLOAT-RIBBON.....	21,761	21,761
124 COMMON BRIDGE TRANSPORTER RECAP.....	21,046	21,046
ENGINEER (NON-CONSTRUCTION) EQUIPMENT		
125 HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST.....	5,000	5,000
126 GROUND STANDOFF MINE DETECTION SYSTEM (GSTAMIDS).....	32,442	32,442
127 AREA MINE DETECTION SYSTEM (AMIDS).....	10,571	10,571
128 HUSKY MOUNTED DETECTION SYSTEM (HMDS).....	21,695	21,695
129 ROBOTIC COMBAT SUPPORT SYSTEM.....	4,516	4,516
130 EOD ROBOTICS SYSTEMS RECAPITALIZATION.....	10,073	10,073
131 ROBOTICS AND APPLIQUE SYSTEMS.....	3,000	3,000
133 REMOTE DEMOLITION SYSTEMS.....	5,847	4,454
134 ITEMS LESS THAN \$5M, COUNTERMINE EQUIPMENT.....	1,530	1,530
135 FAMILY OF BOATS AND MOTORS.....	4,302	4,302
COMBAT SERVICE SUPPORT EQUIPMENT		
136 HEATERS AND ECU'S.....	7,405	7,405
137 SOLDIER ENHANCEMENT.....	1,095	1,095
138 PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS).....	5,390	5,390
139 GROUND SOLDIER SYSTEM.....	38,219	120,568
140 MOBILE SOLDIER POWER.....	10,456	6,431
142 FIELD FEEDING EQUIPMENT.....	15,340	15,340
143 CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM.....	30,607	30,607
144 FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS.....	10,426	10,426

56E

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
PETROLEUM EQUIPMENT		
146 QUALITY SURVEILLANCE EQUIPMENT.....	6,903	6,903
147 DISTRIBUTION SYSTEMS, PETROLEUM & WATER.....	47,597	43,622
MEDICAL EQUIPMENT		
148 COMBAT SUPPORT MEDICAL.....	43,343	69,843
MAINTENANCE EQUIPMENT		
149 MOBILE MAINTENANCE EQUIPMENT SYSTEMS.....	33,774	33,774
150 ITEMS LESS THAN \$5.0M (MAINT EQ).....	2,728	2,728
CONSTRUCTION EQUIPMENT		
151 GRADER, ROAD MTZD, HVY, 6X4 (CCE).....	989	989
152 SCRAPERS, EARTHMOVING.....	11,180	11,180
155 ALL TERRAIN CRANES.....	8,935	8,935
157 HIGH MOBILITY ENGINEER EXCAVATOR (HMEE) FOS.....	64,339	73,899
158 ENHANCED RAPID AIRFIELD CONSTRUCTION CAPAP.....	2,563	2,563
160 CONST EQUIP ESP.....	19,032	19,032
161 ITEMS LESS THAN \$5.0M (CONST EQUIP).....	6,899	6,899
RAIL FLOAT CONTAINERIZATION EQUIPMENT		
162 ARMY WATERCRAFT ESP.....	20,110	20,110
163 ITEMS LESS THAN \$5.0M (FLOAT/RAIL).....	2,877	2,877
GENERATORS		
164 GENERATORS AND ASSOCIATED EQUIPMENT.....	115,635	115,635
MATERIAL HANDLING EQUIPMENT		
165 TACTICAL ELECTRIC POWER RECAPITALIZATION.....	7,436	7,436
166 FAMILY OF FORKLIFTS.....	9,000	9,000

56F

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
TRAINING EQUIPMENT		
167 COMBAT TRAINING CENTERS SUPPORT.....	88,888	126,638
168 TRAINING DEVICES, NONSYSTEM.....	285,989	272,989
169 CLOSE COMBAT TACTICAL TRAINER.....	45,718	45,718
170 AVIATION COMBINED ARMS TACTICAL TRAINER (AVCA.....	30,568	30,568
171 GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING.....	5,406	5,406
TEST MEASURE AND DIG EQUIPMENT (TMD)		
172 CALIBRATION SETS EQUIPMENT.....	5,564	5,564
173 INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE).....	30,144	29,144
174 TEST EQUIPMENT MODERNIZATION (TEMOD).....	7,771	7,771
OTHER SUPPORT EQUIPMENT		
175 M25 STABILIZED BINOCULAR.....	3,956	3,956
176 RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT.....	5,000	5,000
177 PHYSICAL SECURITY SYSTEMS (OPA3).....	60,047	54,908
178 BASE LEVEL COM'L EQUIPMENT.....	13,239	13,239
179 MODIFICATION OF IN-SVC EQUIPMENT (OPA-3).....	60,192	60,192
180 PRODUCTION BASE SUPPORT (OTH).....	2,271	2,271
181 SPECIAL EQUIPMENT FOR USER TESTING.....	5,319	14,319
182 TRACTOR YARD.....	5,935	5,935
-----		
TOTAL, OTHER SUPPORT EQUIPMENT.....	1,359,097	1,550,060
SPARE AND REPAIR PARTS		
184 INITIAL SPARES - C&E.....	38,269	12,334
999 CLASSIFIED PROGRAMS.....	4,819	4,819
-----		
TOTAL, OTHER PROCUREMENT, ARMY.....	6,469,331	8,298,418
=====		

569

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

P-1	Budget Request	Final Bill
1 TACTICAL TRAILERS/DOLLY SETS Prior year carryover	9,716	7,716 -2,000
2 SEMITRAILERS, FLATBED Program increase	14,151	36,151 22,000
3 HIGH MOBILITY MULTI-PURPOSE WHEELED VEHICLE Program increase - ambulances	53,000	78,000 25,000
5 ARMY NATIONAL GUARD HMMWV MODERNIZATION Program increase HMMWV ambulance modernization	0	220,000 100,000 120,000
6 JOINT LIGHT TACTICAL VEHICLE Program increase	804,440	834,440 30,000
8 FAMILY OF MEDIUM TACTICAL VEH (FMTV) Program increase	78,650	232,750 154,100
10 FAMILY OF HEAVY TACTICAL VEHICLES (FHTV) Trailers unit cost growth System engineering growth Program increase	81,656	84,321 -3,240 -1,223 7,128
11 PLS ESP Program increase	7,129	59,729 52,600
12 HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV Program increase	0	112,250 112,250
13 TACTICAL WHEELED VEHICLE PROTECTION KITS Engineering/program management growth	43,040	42,040 -1,000
14 MODIFICATION OF IN SVC EQUIP Installation cost growth	83,940	81,940 -2,000
19 WIN-T - GROUND FORCES TACTICAL NETWORK Army requested transfer to line 21 for network modernization strategy Network modernization strategy	420,492	102,400 -209,100 -108,992
20 SIGNAL MODERNIZATION PROGRAM Cellular solution hardware unit cost growth TROPO hardware equipment unit cost growth Program increase - SFAB 3 communication equipment Program increase - improve the capability of the force	92,718	280,944 -189 -1,346 20,761 169,000

(56H)

P-1	Budget Request	Final Bill
<b>21 TACTICAL NETWORK TECHNOLOGY MOD IN SVC</b>	<b>150,497</b>	<b>414,597</b>
Army requested transfer from line 19 for network modernization strategy		209,100
Program increase - network modernization strategy		55,000
<b>24 DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS</b>	<b>161,383</b>	<b>155,551</b>
Program management growth		-1,120
Common network planning system unit cost growth		-978
Remote monitor control unit cost growth		-1,341
Unjustified fielding growth		-2,393
<b>25 TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS</b>	<b>62,600</b>	<b>80,600</b>
Program increase		18,000
<b>36 HANDHELD MANPACK SMALL FORM FIT (HMS)</b>	<b>355,351</b>	<b>415,351</b>
Program increase		60,000
<b>37 MID-TIER NETWORKING VEHICULAR RADIO (MNVR)</b>	<b>25,100</b>	<b>0</b>
Program termination for network modernization strategy		-25,100
<b>41 TRACTOR RIDE</b>	<b>5,534</b>	<b>41,144</b>
Program increase - JUON		25,610
Program increase - JUON		10,000
<b>54 COMMUNICATIONS SECURITY (COMSEC)</b>	<b>107,804</b>	<b>104,484</b>
In-line network encryptors unit cost growth		-1,905
Government management increases		-1,415
<b>58 BASE SUPPORT COMMUNICATIONS</b>	<b>43,751</b>	<b>45,751</b>
Commercial LMR systems unit cost growth		-5,000
Program increase - USAEUR land mobile radio		7,000
<b>59 INFORMATION SYSTEMS</b>	<b>118,101</b>	<b>85,570</b>
Historical underexecution		-32,531
<b>79 CREW</b>	<b>0</b>	<b>25,600</b>
Program increase - JUON		25,600
<b>83 SENTINEL MODS</b>	<b>28,491</b>	<b>100,491</b>
Program increase - additional Sentinel radars		72,000
<b>84 NIGHT VISION DEVICES</b>	<b>166,493</b>	<b>182,242</b>
Program increase - limited visibility enhancements		15,749
<b>85 SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF</b>	<b>13,947</b>	<b>16,097</b>
Program increase		2,150
<b>87 INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS</b>	<b>21,380</b>	<b>608,613</b>
Program increase - RAM warn communication enhancement		10,000
Program increase		577,233

(561)

P-1	Budget Request	Final Bill
<b>91 JOINT BATTLE COMMAND - PLATFORM (JBC-P)</b>	<b>282,549</b>	<b>342,649</b>
Program increase		60,100
<b>96 COUNTERFIRE RADARS</b>	<b>329,057</b>	<b>400,530</b>
Hardware unit cost growth		-3,630
Program management cost growth		-997
Program increase - AN/TPQ-53 counterfire target acquisition radar system		60,100
Program increase - improve the capability of the force		16,000
<b>98 AIR &amp; MSL DEFENSE PLANNING &amp; CONTROL SYS (AMD)</b>	<b>26,635</b>	<b>123,613</b>
Program increase		96,978
<b>102 MANEUVER CONTROL SYSTEM (MCS)</b>	<b>132,572</b>	<b>72,672</b>
Army requested transfer to RDTE,A line 109 for network modernization strategy		-25,000
Army requested transfer to RDTE,A line 137 for network modernization strategy		-10,000
Program termination - CPOF for network modernization strategy		-24,900
<b>108 AUTOMATED DATA PROCESSING EQUIPMENT</b>	<b>91,983</b>	<b>87,983</b>
Prior year carryover		-4,000
<b>118 FAMILY OF NON-LETHAL EQUIPMENT (FNLE)</b>	<b>9,696</b>	<b>16,696</b>
Program increase - acoustic hailing devices to provide non-lethal escalation capability		7,000
<b>119 BASE DEFENSE SYSTEMS (BDS)</b>	<b>0</b>	<b>22,200</b>
Program increase - JUON		22,200
<b>120 CBRN SOLDIER PROTECTION</b>	<b>11,110</b>	<b>36,246</b>
Program increase - personal dosimeters/contamination avoidance		18,000
Program increase - JUON		2,500
Program increase - improve the capability of the force		4,636
<b>133 REMOTE DEMOLITION SYSTEMS</b>	<b>5,847</b>	<b>4,454</b>
Historical underexecution		-1,393
<b>139 GROUND SOLDIER SYSTEM</b>	<b>38,219</b>	<b>120,568</b>
Program increase - SFAB 3 communication equipment		26,349
Program increase		56,000
<b>140 MOBILE SOLDIER POWER</b>	<b>10,456</b>	<b>6,431</b>
Historical underexecution		-4,025
<b>147 DISTRIBUTION SYSTEMS, PETROLEUM &amp; WATER</b>	<b>47,597</b>	<b>43,622</b>
Historical underexecution		-3,975
<b>148 COMBAT SUPPORT MEDICAL</b>	<b>43,343</b>	<b>69,843</b>
Program increase		8,000
Program increase - standardized vehicle medical kits		13,500
Program increase - enhanced medical kits for rotary wing platforms		5,000

(56J)

P-1	Budget Request	Final Bill
<b>157 HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)</b>	<b>64,339</b>	<b>73,899</b>
Hardware unit cost growth		-11,000
Program increase - HMEEs for units to address combat engineer shortfalls		20,560
<b>167 COMBAT TRAINING CENTERS SUPPORT</b>	<b>88,888</b>	<b>126,638</b>
Program increase		37,750
<b>168 TRAINING DEVICES, NONSYSTEM</b>	<b>285,989</b>	<b>272,989</b>
Unit cost growth		-13,000
<b>173 INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)</b>	<b>30,144</b>	<b>29,144</b>
Spares and repair cost growth		-1,000
<b>177 PHYSICAL SECURITY SYSTEMS (OPA3)</b>	<b>60,047</b>	<b>54,908</b>
AIE hardware unit cost growth		-5,139
<b>181 SPECIAL EQUIPMENT FOR USER TESTING</b>	<b>5,319</b>	<b>14,319</b>
Program increase - regional service delivery points		9,000
<b>184 INITIAL SPARES - C&amp;E</b>	<b>38,269</b>	<b>12,334</b>
WIN-T spares excess to need due to network modernization strategy		-23,935
MCS spares excess to need due to network modernization strategy		-2,000

56K

Secretary of the Army is directed to conduct a full and open competition for procurement of the remaining vehicles that satisfy the airborne brigade requirement.

#### HIGH MOBILITY MULTIPURPOSE WHEELED VEHICLE MODERNIZATION

Important safety technologies like Antilock Brake Systems (ABS) and Electronic Stability Control (ESC) play a critical role on the High Mobility Multipurpose Wheeled Vehicle (HMMWV) fleet. The agreement supports the incorporation of ABS/ESC into the HMMWV new production process and the HMMWV modernization process for active, reserve, and National Guard components. To ensure proper quality control during the ABS/ESC installation process for new and enduring active, reserve, and National Guard HMMWVs, the Secretary of the Army is directed to ensure that installation of ABS on all HMMWVs shall be performed during the HMMWV new production process or the HMMWV modernization process, when the HMMWV produced is new, or returned to a zero-hour, zero-mile, like-new condition.



## AIRCRAFT PROCUREMENT, NAVY

The agreement provides \$19,957,380,000 for Aircraft Procurement, Navy, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~

insert 58A-F

### NAVY STRIKE FIGHTER INVENTORY SHORTFALL

The Secretary of the Navy is directed to provide a report to the congressional defense committees not later than 90 days after the enactment of this Act on the status of the Navy's strike fighter inventory shortfall. The report should address all investment, modernization, and sustainment efforts that impact the strike fighter inventory shortfall, including the Legacy Hornet modernization effort, the plan to modernize the Super Hornet fleet to a Block III configuration, trends in the utilization and demand of the current F-18 fleet, and the long-term plans to procure F-35C and MQ-25 aircraft.

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
AIRCRAFT PROCUREMENT, NAVY		
COMBAT AIRCRAFT		
2	F/A-18E/F (FIGHTER) HORNET (MYP).....	1,200,146 1,826,192
3	F/A-18E/F (FIGHTER) HORNET (MYP) (AP).....	52,971 52,971
4	JOINT STRIKE FIGHTER CV.....	582,324 1,354,024
5	JOINT STRIKE FIGHTER CV (AP-CY).....	263,112 263,112
6	JSF STOVL.....	2,398,139 3,071,547
7	JSF STOVL (AP-CY).....	413,450 413,450
8	CH-53K (HEAVY LIFT) .....	567,605 802,605
9	CH-53K (HEAVY LIFT) (AP-CY).....	147,046 147,046
10	V-22 (MEDIUM LIFT).....	677,404 1,267,496
11	V-22 (MEDIUM LIFT) (AP-CY).....	27,422 23,389
12	UH-1Y/AH-1Z.....	678,429 889,767
13	UH-1Y/AH-1Z (AP-CY).....	42,082 42,082
14	MH-60R.....	--- 400,000
16	P-8A POSEIDON.....	1,245,251 1,709,910
17	P-8A POSEIDON (AP-CY).....	140,333 140,333
18	E-2D ADV HAWKEYE.....	733,910 716,310
19	E-2D ADV HAWKEYE (AP-CY).....	102,026 102,026
	TOTAL, COMBAT AIRCRAFT.....	9,271,650 13,222,260

58A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
OTHER AIRCRAFT		
20 C-40.....	---	207,000
22 KC-130J.....	129,577	472,277
23 KC-130J (AP-CY).....	25,497	25,497
24 MQ-4 TRITON.....	522,126	495,540
25 MQ-4 TRITON (AP-CY).....	57,266	57,266
26 MQ-8 UAV.....	49,472	128,812
27 STUASLO UAV.....	880	880
-----		
TOTAL, OTHER AIRCRAFT.....	784,818	1,387,272
-----		
MODIFICATION OF AIRCRAFT		
30 AEA SYSTEMS.....	52,960	49,823
31 AV-8 SERIES.....	43,555	41,853
32 ADVERSARY.....	2,565	2,565
33 F-18 SERIES.....	943,661	1,008,401
34 H-53 SERIES.....	38,712	38,712
35 SH-60 SERIES.....	95,333	83,853
36 H-1 SERIES.....	101,886	99,306
37 EP-3 SERIES.....	7,231	7,231
38 P-3 SERIES.....	700	700
39 E-2 SERIES.....	97,563	77,457
40 TRAINER A/C SERIES.....	8,184	8,184
41 C-2A.....	18,673	18,673
42 C-130 SERIES.....	83,541	204,541
43 FEWSG.....	630	630
44 CARGO/TRANSPORT A/C SERIES.....	10,075	10,075
45 E-6 SERIES.....	223,508	210,608
46 EXECUTIVE HELICOPTERS SERIES.....	38,787	38,787

580

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
47 SPECIAL PROJECT AIRCRAFT.....	8,304	8,304
48 T-45 SERIES.....	148,071	166,887
49 POWER PLANT CHANGES.....	19,827	19,827
50 JPATS SERIES.....	27,007	22,307
51 COMMON ECM EQUIPMENT.....	146,642	144,554
52 COMMON AVIONICS CHANGES.....	123,507	107,513
53 COMMON DEFENSIVE WEAPON SYSTEM.....	2,317	2,317
54 ID SYSTEMS.....	49,524	49,524
55 P-8 SERIES.....	18,665	14,865
56 MAGTF EW FOR AVIATION.....	10,111	10,111
57 MQ-8 SERIES.....	32,361	22,676
59 V-22 (TILT/ROTOR ACFT) OSPREY.....	228,321	222,721
60 F-35 STOVL SERIES.....	34,963	34,963
61 F-35 CV SERIES.....	31,689	31,689
62 QUICK REACTION CAPABILITY (QRC).....	24,766	24,766
63 MQ-4 SERIES.....	39,996	13,296
TOTAL, MODIFICATION OF AIRCRAFT.....	2,713,635	2,797,719
AIRCRAFT SPARES AND REPAIR PARTS		
64 SPARES AND REPAIR PARTS.....	1,681,914	2,056,914
AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES		
65 COMMON GROUND EQUIPMENT.....	388,052	377,049
66 AIRCRAFT INDUSTRIAL FACILITIES.....	24,613	24,613
67 WAR CONSUMABLES.....	39,614	39,614
68 OTHER PRODUCTION CHARGES.....	1,463	1,463
69 SPECIAL SUPPORT EQUIPMENT.....	48,500	48,500
70 FIRST DESTINATION TRANSPORTATION.....	1,976	1,976
TOTAL, AIRCRAFT SUPPORT EQUIPMENT & FACILITIES.....	504,218	493,215
TOTAL, AIRCRAFT PROCUREMENT, NAVY.....	14,956,235	19,957,380

58C

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

P-1	Budget Request	Final Bill
<b>2 F/A-18E/F (FIGHTER) HORNET (MYP)</b>	<b>1,200,146</b>	<b>1,826,192</b>
Unit cost growth		-82,754
Support costs excess to need		-30,200
Program increase - ten aircraft		739,000
<b>4 JOINT STRIKE FIGHTER CV</b>	<b>582,324</b>	<b>1,354,024</b>
Program increase - four aircraft for the Navy		540,000
Program increase - two aircraft for the Marine Corps		260,000
Non-recurring cost prior year carryover		-18,300
Unit cost savings		-10,000
<b>6 JSF STOVL</b>	<b>2,398,139</b>	<b>3,071,547</b>
Ancillary equipment excess growth		-10,992
Program increase - four aircraft		616,600
Program increase - additional tooling		15,000
Program increase - four spare engines		120,000
Non-recurring cost prior year carryover		-43,200
Unit cost savings		-24,000
<b>8 CH-53K (HEAVY LIFT)</b>	<b>567,605</b>	<b>802,605</b>
Pubs/tech data unjustified growth		-6,500
Field activities previously funded		-8,500
Program increase - two aircraft		250,000
<b>10 V-22 (MEDIUM LIFT)</b>	<b>677,404</b>	<b>1,267,496</b>
Engine cost growth		-7,908
Program increase - four aircraft for the Navy		356,000
Program increase - four aircraft for the Marine Corps		320,000
Unit cost savings		-72,000
ECO excess to need		-6,000
<b>11 V-22 (MEDIUM LIFT) (AP-CY)</b>	<b>27,422</b>	<b>23,389</b>
Excess growth		-4,033
<b>12 UH-1Y/AH-1Z</b>	<b>678,429</b>	<b>889,767</b>
Airframe unit cost growth		-2,662
Program increase - seven aircraft		220,500
ECO excess to need		-6,500
<b>15 MH-60R (MYP)</b>	<b>0</b>	<b>400,000</b>
Program increase - maintain MH-60R production line through fiscal year 2018		400,000
<b>16 P-8A POSEIDON</b>	<b>1,245,251</b>	<b>1,709,910</b>
CFE electronics cost growth		-4,841
Excess support costs		-31,500
Program increase - three aircraft		501,000

(58D)

<b>P-1</b>	<b>Budget Request</b>	<b>Final Bill</b>
<b>18 E-2D ADV HAWKEYE</b> Support equipment forward financed	<b>733,910</b>	<b>716,310</b> -17,600
<b>20 C-40</b> Program increase - two aircraft for the Marine Corps	<b>0</b>	<b>207,000</b> 207,000
<b>22 KC-130J</b> Program increase - four aircraft for the Marine Corps	<b>129,577</b>	<b>472,277</b> 342,700
<b>24 MQ-4 TRITON</b> Other costs excess growth Support costs early to need	<b>522,126</b>	<b>495,540</b> -2,786 -23,800
<b>26 MQ-8 UAV</b> Production line shutdown early to need Program increase - six aircraft	<b>49,472</b>	<b>128,812</b> -4,660 84,000
<b>30 AEA SYSTEMS</b> Support equipment previously funded (OSIP 007-11)	<b>52,960</b>	<b>49,823</b> -3,137
<b>31 AV-8 SERIES</b> Litening pod recurring costs excess growth (OSIP 023-00)	<b>43,555</b>	<b>41,853</b> -1,702
<b>33 F-18 SERIES</b> Excess cost growth Program increase - T-45 and F/A-18 physiological episodes funding Program increase - ALQ-214 retrofits for the Marine Corps Program increase - ALR-67(V)3 retrofit A-kits and partial B-kits	<b>943,661</b>	<b>1,008,401</b> -45,000 61,190 32,550 16,000
<b>35 SH-60 SERIES</b> Kit cost growth (OSIP 001-06)	<b>95,333</b>	<b>83,853</b> -11,480
<b>36 H-1 SERIES</b> Excess installation (OSIP 016-12)	<b>101,886</b>	<b>99,306</b> -2,580
<b>39 E-2 SERIES</b> Excess support growth (OSIP 005-01) Aerial refueling installations early to need	<b>97,563</b>	<b>77,457</b> -4,356 -15,750
<b>42 C-130 SERIES</b> Program increase - 24 propeller system kits	<b>83,541</b>	<b>204,541</b> 121,000
<b>45 E-6 SERIES</b> Excess installation costs Excess growth	<b>223,508</b>	<b>210,608</b> -7,300 -5,600
<b>48 T-45 SERIES</b> Wing unit cost growth (OSIP 022-14) Excess support growth (OSIP 022-14) Program increase - T-45 and F/A-18 physiological episodes funding	<b>148,071</b>	<b>166,887</b> -4,116 -5,018 27,950

58E

P-1	Budget Request	Final Bill
50 JPATS SERIES Forward financed	27,007	22,307 -4,700
51 COMMON ECM EQUIPMENT AN/APR-39D installation equipment kit cost growth (OSIP 014-90)	146,642	144,554 -2,088
52 COMMON AVIONICS CHANGES CNS/ATM installation equipment cost growth (OSIP 21-01) Support costs previously funded (OSIP 21-01)	123,507	107,513 -6,533 -9,461
55 P-8 SERIES Increment 3 kits and installation equipment early to need	18,665	14,865 -3,800
57 MQ-8 SERIES Training previously funded (OSIP 021-14) Training previously funded (OSIP 010-17) Radar upgrade II early to need	32,361	22,676 -3,444 -1,441 -4,800
59 V-22 (TILT/ROTOR ACFT) OSPREY Installation kits NRE previously funded (OSIP 028-12)	228,321	222,721 -5,600
63 MQ-4 SERIES Kits early to need	39,996	13,296 -26,700
64 SPARES AND REPAIR PARTS Program increase - improve aircraft readiness	1,681,914	2,056,914 375,000
65 COMMON GROUND EQUIPMENT Other flight training cost growth Program increase - F/A-18 C/D training systems	388,052	377,049 -28,503 17,500

58F

WEAPONS PROCUREMENT, NAVY

The agreement provides \$3,510,590,000 for Weapons Procurement, Navy, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~

insert S9A-D



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
WEAPONS PROCUREMENT, NAVY		
BALLISTIC MISSILES		
MODIFICATION OF MISSILES		
1	TRIDENT II MODS.....	1,143,595 1,131,910
SUPPORT EQUIPMENT AND FACILITIES		
2	MISSILE INDUSTRIAL FACILITIES.....	7,086 7,086
-----		
	TOTAL, BALLISTIC MISSILES.....	1,150,681 1,138,996
OTHER MISSILES		
STRATEGIC MISSILES		
3	TOMAHAWK.....	134,375 221,381
TACTICAL MISSILES		
4	AMRAAM.....	197,109 185,285
5	SIDEWINDER.....	79,692 76,915
6	JSOW.....	5,487 5,487
7	STANDARD MISSILE.....	510,875 458,975
8	SMALL DIAMETER BOMB II.....	20,968 20,968
9	RAM.....	58,587 106,587
10	JOINT AIR GROUND MISSILE (JAGM).....	3,789 3,789
13	STAND OFF PRECISION GUIDED MUNITIONS (SOPGM).....	3,122 3,122
14	AERIAL TARGETS.....	124,757 122,173
15	OTHER MISSILE SUPPORT.....	3,420 3,420
16	LRASM.....	74,733 107,733
MODIFICATION OF MISSILES		
17	ESSM.....	74,524 71,745
19	HARPOON MODS.....	17,300 15,300
20	HARM MODS.....	183,368 183,368
21	STANDARD MISSILES MODS.....	11,729 11,729
SUPPORT EQUIPMENT AND FACILITIES		
22	WEAPONS INDUSTRIAL FACILITIES.....	4,021 4,021
23	FLEET SATELLITE COMM FOLLOW-ON.....	46,357 39,532
ORDNANCE SUPPORT EQUIPMENT		
25	ORDNANCE SUPPORT EQUIPMENT.....	47,159 47,159
-----		
	TOTAL, OTHER MISSILES.....	1,601,372 1,688,689

59A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
TORPEDOES AND RELATED EQUIPMENT		
TORPEDOES AND RELATED EQUIP		
26	SSTD.....	5,240 5,240
27	MK-48 TORPEDO.....	44,771 79,771
28	ASW TARGETS.....	12,399 12,399
MOD OF TORPEDOES AND RELATED EQUIP		
29	MK-54 TORPEDO MODS.....	104,044 94,699
30	MK-48 TORPEDO ADCAP MODS.....	38,954 38,954
31	QUICKSTRIKE MINE.....	10,337 6,337
SUPPORT EQUIPMENT		
32	TORPEDO SUPPORT EQUIPMENT.....	70,383 67,744
33	ASW RANGE SUPPORT.....	3,864 3,864
DESTINATION TRANSPORTATION		
34	FIRST DESTINATION TRANSPORTATION.....	3,961 3,961
-----		
	TOTAL, TORPEDOES AND RELATED EQUIPMENT.....	293,953 312,969
OTHER WEAPONS		
GUNS AND GUN MOUNTS		
35	SMALL ARMS AND WEAPONS.....	11,332 11,332
MODIFICATION OF GUNS AND GUN MOUNTS		
36	CIWS MODS.....	72,698 72,698
37	COAST GUARD WEAPONS.....	38,931 47,931
38	GUN MOUNT MODS.....	76,025 73,328
39	LCS MODULE WEAPONS.....	13,110 10,610
40	CRUISER MODERNIZATION WEAPONS.....	34,825 34,825
41	AIRBORNE MINE NEUTRALIZATION SYSTEMS.....	16,925 16,925
-----		
	TOTAL, OTHER WEAPONS.....	263,846 267,649
43	SPARES AND REPAIR PARTS.....	110,255 102,287
-----		
	TOTAL, WEAPONS PROCUREMENT, NAVY.....	3,420,107 3,510,590
=====		

59B

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

P-1	Budget Request	Final Bill
<b>1 TRIDENT II MODS</b>	<b>1,143,595</b>	<b>1,131,910</b>
Fuze sustainment excess growth		-4,000
Excess cost growth		-7,685
<b>3 TOMAHAWK</b>	<b>134,375</b>	<b>221,381</b>
Unit cost growth		-14,994
Program increase - 26 missiles		32,200
Program increase - additional munitions		69,800
<b>4 AMRAAM</b>	<b>197,109</b>	<b>185,285</b>
Re-phase missile buys due to DMS and F3R delay		-20,000
Special tooling and test equipment excess growth		-3,824
Program increase - air to air training rounds and CVN magazine alterations		12,000
<b>5 SIDEWINDER</b>	<b>79,692</b>	<b>76,915</b>
Support cost carryover		-2,084
AUR and CATM cost growth		-693
<b>7 STANDARD MISSILE</b>	<b>510,875</b>	<b>458,975</b>
Classified program adjustment		-51,900
<b>9 RAM</b>	<b>58,587</b>	<b>106,587</b>
Program increase - 60 missiles		48,000
<b>14 AERIAL TARGETS</b>	<b>124,757</b>	<b>122,173</b>
Other targets unit cost growth		-2,584
<b>16 LRASM</b>	<b>74,733</b>	<b>107,733</b>
Program increase - additional munitions		33,000
<b>17 ESSM</b>	<b>74,524</b>	<b>71,745</b>
Excess support growth		-2,779
<b>19 HARPOON MODS</b>	<b>17,300</b>	<b>15,300</b>
Insufficient budget justification		-2,000
<b>23 FLEET SATELLITE COMM FOLLOW-ON</b>	<b>46,357</b>	<b>39,532</b>
Ground system updates excess growth		-6,825
<b>27 MK-48 TORPEDO</b>	<b>44,771</b>	<b>79,771</b>
Program increase		35,000
<b>29 MK-54 TORPEDO MODS</b>	<b>104,044</b>	<b>94,699</b>
MK-54 NRE excess growth		-4,045
HAWC procurement early to need		-5,300

(596)

<b>P-1</b>		<b>Budget Request</b>	<b>Final Bill</b>
<b>31 QUICKSTRIKE MINE</b>		<b>10,337</b>	<b>6,337</b>
Prior year carryover			-4,000
<b>32 TORPEDO SUPPORT EQUIPMENT</b>		<b>70,383</b>	<b>67,744</b>
MK 28 stabilizer unit cost growth			-1,051
Heavyweight other equipment excess growth			-1,588
<b>37 COAST GUARD WEAPONS</b>		<b>38,931</b>	<b>47,931</b>
Program increase - MK110 gun for NSC 10			9,000
<b>38 GUN MOUNT MODS</b>		<b>76,025</b>	<b>73,328</b>
MK38 upgrade kits excess growth			-2,697
<b>39 LCS MODULE WEAPONS</b>		<b>13,110</b>	<b>10,610</b>
Insufficient budget justification			-2,500
<b>43 SPARES AND REPAIR PARTS</b>		<b>110,255</b>	<b>102,287</b>
Excess program growth			-7,968

59D

PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS

The agreement provides \$804,335,000 for Procurement of Ammunition, Navy and Marine Corps, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~

insert 60A-C

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
PROCUREMENT OF AMMO, NAVY & MARINE CORPS		
PROC AMMO, NAVY		
NAVY AMMUNITION		
1	GENERAL PURPOSE BOMBS.....	34,882 41,402
2	JDAM.....	57,343 57,343
3	AIRBORNE ROCKETS, ALL TYPES.....	79,318 83,832
4	MACHINE GUN AMMUNITION.....	14,112 14,112
5	PRACTICE BOMBS.....	47,027 43,427
6	CARTRIDGES & CART ACTUATED DEVICES.....	57,718 55,718
7	AIR EXPENDABLE COUNTERMEASURES.....	65,908 62,908
8	JATOS.....	2,895 2,895
10	5 INCH/54 GUN AMMUNITION.....	22,112 22,112
11	INTERMEDIATE CALIBER GUN AMMUNITION.....	12,804 12,804
12	OTHER SHIP GUN AMMUNITION.....	41,594 41,594
13	SMALL ARMS & LANDING PARTY AMMO.....	49,401 48,821
14	PYROTECHNIC AND DEMOLITION.....	9,495 9,495
16	AMMUNITION LESS THAN \$5 MILLION.....	3,080 2,930
	TOTAL, PROC AMMO, NAVY.....	497,689 499,393
		-----

(60A)

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
PROC AMMO, MARINE CORPS MARINE CORPS AMMUNITION		
20 MORTARS.....	24,118	49,618
23 DIRECT SUPPORT MUNITIONS.....	64,045	36,545
24 INFANTRY WEAPONS AMMUNITION.....	91,456	89,700
29 COMBAT SUPPORT MUNITIONS.....	11,788	11,788
32 AMMO MODERNIZATION.....	17,862	17,862
33 ARTILLERY MUNITIONS.....	79,427	95,469
34 ITEMS LESS THAN \$5 MILLION.....	5,960	3,960
TOTAL, PROC AMMO, MARINE CORPS.....	294,656	304,942
TOTAL, PROCUREMENT OF AMMO, NAVY & MARINE CORPS.....	792,345	804,335

60B

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

P-1	Budget Request	Final Bill
<b>1 GENERAL PURPOSE BOMBS</b>	<b>34,882</b>	<b>41,402</b>
Q2181 laser guided bombs unit cost savings		-4,480
Program increase - facilitization for JDAM tail kits		11,000
<b>3 AIRBORNE ROCKETS, ALL TYPES</b>	<b>79,318</b>	<b>83,832</b>
MK-66 rocket motor unit cost growth		-2,486
APKWS unit cost discrepancy		-3,000
Program increase - engineering changes to APKWS tail kits		10,000
<b>5 PRACTICE BOMBS</b>	<b>47,027</b>	<b>43,427</b>
MK76 schedule slip		-3,600
<b>6 CARTRIDGES &amp; CART ACTUATED DEVICES</b>	<b>57,718</b>	<b>55,718</b>
Miscellaneous devices prior year carryover		-2,000
<b>7 AIR EXPENDABLE COUNTERMEASURES</b>	<b>65,908</b>	<b>62,908</b>
Insufficient budget justification		-3,000
<b>13 SMALL ARMS &amp; LANDING PARTY AMMO</b>	<b>49,401</b>	<b>48,821</b>
9MM cartridges contract delay		-580
<b>16 AMMUNITION LESS THAN \$5 MILLION</b>	<b>3,080</b>	<b>2,930</b>
LUU-19 unit cost growth		-150
<b>20 MORTARS</b>	<b>24,118</b>	<b>49,618</b>
Program increase - 60mm full range practice round		11,000
Program increase - 81mm full range practice round		14,500
<b>23 DIRECT SUPPORT MUNITIONS</b>	<b>64,045</b>	<b>36,545</b>
Prior year carryover		-4,600
USMC requested program termination		-22,900
<b>24 INFANTRY WEAPONS AMMUNITION</b>	<b>91,456</b>	<b>89,700</b>
MK281 unit cost growth		-1,756
<b>33 ARTILLERY MUNITIONS</b>	<b>79,427</b>	<b>95,469</b>
Fuze unit cost growth		-958
Program increase - 155mm HE training round		17,000
<b>34 ITEMS LESS THAN \$5 MILLION</b>	<b>5,960</b>	<b>3,960</b>
Prior year carryover		-2,000

(600)



## SHIPBUILDING AND CONVERSION, NAVY

The agreement provides \$23,824,738,000 for Shipbuilding and Conversion, Navy, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~

insert 61A-C

### DDG-51 DESTROYER

The agreement provides \$3,357,079,000 for the procurement of two DDG-51 Arleigh Burke class Flight III guided missile destroyers. The Director of Cost Assessment and Program Evaluation is directed to provide an updated independent cost estimate for the DDG-51 multi-year procurement program to the congressional defense committees not later than 90 days after the enactment of this Act.

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
SHIPBUILDING & CONVERSION, NAVY		
FLEET BALLISTIC MISSILE SHIPS		
1 OHIO REPLACEMENT SUBMARINE.....	842,853	861,853
OTHER WARSHIPS		
2 CARRIER REPLACEMENT PROGRAM (CVN 80).....	1,880,714	1,569,646
3 CARRIER REPLACEMENT PROGRAM (CVN 79).....	2,561,058	2,561,058
4 VIRGINIA CLASS SUBMARINE.....	3,305,315	3,305,315
5 VIRGINIA CLASS SUBMARINE (AP-CY).....	1,920,596	2,145,596
6 CVN REFUELING OVERHAUL.....	1,604,890	1,569,669
7 CVN REFUELING OVERHAULS (AP-CY).....	75,897	75,897
8 DDG 1000.....	223,968	216,968
9 DDG-51.....	3,499,079	3,357,079
10 DDG-51 (AP-CY).....	90,336	90,336
11 LITTORAL COMBAT SHIP.....	1,136,071	1,566,971
-----		
TOTAL, OTHER WARSHIPS.....	16,297,924	16,458,535
AMPHIBIOUS SHIPS		
12 AMPHIBIOUS SHIP REPLACEMENT.....	---	1,800,000
14 EXPEDITIONARY SEABASE.....	---	635,000
15 LHA REPLACEMENT.....	1,710,927	1,710,927
-----		
TOTAL, AMPHIBIOUS SHIPS.....	1,710,927	4,145,927

(61A)

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM COSTS		
17 EXPEDITIONARY FAST TRANSPORT (EFT).....	---	225,000
18 TAO FLEET OILER .....	465,988	457,988
19 TAO FLEET OILER (AP-CY).....	75,068	75,068
20 TOWING, SALVAGE, AND RESCUE SHIP (ATS).....	76,204	76,204
23 LCU 1700.....	31,850	---
23A T-AGS OCEANOGRAPHIC SURVEY SHIP.....	---	180,000
24 OUTFITTING.....	548,703	489,073
25 SHIP TO SHORE CONNECTOR.....	212,554	524,554
26 SERVICE CRAFT.....	23,994	62,994
29 COMPLETION OF PY SHIPBUILDING PROGRAMS.....	117,542	117,542
31 POLAR ICEBREAKERS (AP).....	---	150,000
-----		
TOTAL, AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM...	1,551,903	2,358,423
-----		
TOTAL, SHIPBUILDING & CONVERSION, NAVY.....	20,403,607	23,824,738
=====		

61B

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

P-1	Budget Request	Final Bill
1 OHIO REPLACEMENT SUBMARINE (AP) Program increase - foundry propeller center facilitization	842,853	861,853 19,000
2 CARRIER REPLACEMENT PROGRAM (CVN 80) CANES contract award delay CVN 80 reduction in end cost projection	1,880,714	1,569,646 -11,068 -300,000
5 VIRGINIA CLASS SUBMARINE (AP-CY) Program increase - industrial base expansion	1,920,596	2,145,596 225,000
6 CVN REFUELING OVERHAUL Excess growth and unjustified requests	1,604,890	1,569,669 -35,221
8 DDG 1000 Total ship computing environment cost growth	223,968	216,968 -7,000
9 DDG-51 AMDR previously funded	3,499,079	3,357,079 -142,000
11 LITTORAL COMBAT SHIP Plans cost growth Program increase - one ship	1,136,071	1,566,971 -19,175 450,075
12 AMPHIBIOUS SHIP REPAACEMENT LXR Program increase - additional ship	0	1,800,000 1,800,000
14 EXPEDITIONARY SEA BASE Program increase - one ESB	0	635,000 635,000
17 EXPEDITIONARY FAST TRANSPORT (EPF) Program increase - one additional ship	0	225,000 225,000
18 TAO FLEET OILER Engineering services cost growth	465,988	457,988 -8,000
23 LCU 1700 Program delays	31,850	0 -31,850
23A T-AGS OCEANOGRAPHIC SURVEY SHIP Program increase - T-AGS oceanographic survey ship	0	180,000 180,000
24 OUTFITTING Outfitting and post delivery early to need	548,703	489,073 -59,630
25 SHIP TO SHORE CONNECTOR Program increase - five additional SSCs	212,554	524,554 312,000
26 SERVICE CRAFT Program increase - berthing barge to avert production break	23,994	62,994 39,000
31 POLAR ICEBREAKERS (AP) Program increase	0	150,000 150,000

(OIC)

OTHER PROCUREMENT, NAVY

The agreement provides \$7,941,018,000 for Other Procurement, Navy, as follows:

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~~(INSERT PROJECT LEVEL TABLE)~~

Insert 62A - L

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
OTHER PROCUREMENT, NAVY		
SHIPS SUPPORT EQUIPMENT		
SHIP PROPULSION EQUIPMENT		
3	SURFACE POWER EQUIPMENT.....	41,910 41,910
4	HYBRID ELECTRIC DRIVE (HED).....	6,331 ---
GENERATORS		
5	SURFACE COMBATANT HM&E.....	27,392 26,651
NAVIGATION EQUIPMENT		
6	OTHER NAVIGATION EQUIPMENT.....	65,943 61,071
PERISCOPES		
8	SUB PERISCOPES AND IMAGING SUPPORT EQUIPMENT PROGRAM..	151,240 172,740
OTHER SHIPBOARD EQUIPMENT		
9	DDG MOD.....	603,355 592,644
10	FIREFIGHTING EQUIPMENT.....	15,887 15,887
11	COMMAND AND CONTROL SWITCHBOARD.....	2,240 2,240
12	LHA/LHD MIDLIFE.....	4,287 4,287
14	POLLUTION CONTROL EQUIPMENT.....	17,293 15,564
15	SUBMARINE SUPPORT EQUIPMENT.....	27,990 27,190
16	VIRGINIA CLASS SUPPORT EQUIPMENT.....	46,610 46,610
17	LCS CLASS SUPPORT EQUIPMENT.....	47,955 43,407
18	SUBMARINE BATTERIES.....	17,594 22,594
19	LPD CLASS SUPPORT EQUIPMENT.....	61,908 57,114
21	STRATEGIC PLATFORM SUPPORT EQUIP.....	15,812 15,812
22	DSSP EQUIPMENT.....	4,178 4,178
23	CRUISER MODERNIZATION.....	306,050 299,088
24	LCAC.....	5,507 5,507
25	UNDERWATER EOD PROGRAMS.....	55,922 55,922
26	ITEMS LESS THAN \$5 MILLION.....	96,909 92,451

62A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
27 CHEMICAL WARFARE DETECTORS.....	3,036	2,656
28 SUBMARINE LIFE SUPPORT SYSTEM.....	10,364	5,596
REACTOR PLANT EQUIPMENT		
30 REACTOR COMPONENTS.....	534,468	534,468
OCEAN ENGINEERING		
31 DIVING AND SALVAGE EQUIPMENT.....	10,619	10,619
SMALL BOATS		
32 STANDARD BOATS.....	46,094	43,789
PRODUCTION FACILITIES EQUIPMENT		
34 OPERATING FORCES IPE.....	191,541	172,562
OTHER SHIP SUPPORT		
36 LCS COMMON MISSION MODULES EQUIPMENT.....	34,666	18,760
37 LCS MCM MISSION MODULES.....	55,870	45,146
39 LCS SUW MISSION MODULES.....	52,960	20,925
40 LCS IN-SERVICE MODERNIZATION.....	74,426	139,726
LOGISTICS SUPPORT		
42 LSD MIDLIFE AND MODERNIZATION.....	75,536	75,536
TOTAL, SHIPS SUPPORT EQUIPMENT.....	2,711,893	2,672,650
COMMUNICATIONS AND ELECTRONICS EQUIPMENT		
SHIP SONARS		
43 SPQ-9B RADAR.....	20,086	18,993
44 AN/SQQ-89 SURF ASW COMBAT SYSTEM.....	102,222	100,222
46 SSN ACOUSTICS EQUIPMENT.....	287,553	310,753
47 UNDERSEA WARFARE SUPPORT EQUIPMENT.....	13,653	13,653

62B

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
ASW ELECTRONIC EQUIPMENT		
49 SUBMARINE ACOUSTIC WARFARE SYSTEM.....	21,449	21,449
50 SSTD.....	12,867	12,867
51 FIXED SURVEILLANCE SYSTEM.....	300,102	330,102
52 SURTASS.....	30,180	36,580
ELECTRONIC WARFARE EQUIPMENT		
54 AN/SLQ-32.....	240,433	233,237
RECONNAISSANCE EQUIPMENT		
55 SHIPBOARD IW EXPLOIT.....	187,007	216,615
56 AUTOMATED IDENTIFICATION SYSTEM (AIS).....	510	4,592
OTHER SHIP ELECTRONIC EQUIPMENT		
58 COOPERATIVE ENGAGEMENT CAPABILITY.....	23,892	23,892
60 NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS).....	10,741	10,741
61 ATDLS.....	38,016	38,016
62 NAVY COMMAND AND CONTROL SYSTEM (NCCS).....	4,512	4,512
63 MINESWEEPING SYSTEM REPLACEMENT.....	31,531	57,343
64 SHALLOW WATER MCM.....	8,796	8,796
65 NAVSTAR GPS RECEIVERS (SPACE).....	15,923	15,923
66 ARMED FORCES RADIO AND TV.....	2,730	2,730
67 STRATEGIC PLATFORM SUPPORT EQUIP.....	6,889	6,889
AVIATION ELECTRONIC EQUIPMENT		
70 ASHORE ATC EQUIPMENT.....	71,882	71,882
71 AFLOAT ATC EQUIPMENT.....	44,611	42,614
77 ID SYSTEMS.....	21,239	21,239
78 NAVAL MISSION PLANNING SYSTEMS.....	11,976	11,976

62C



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
OTHER SHORE ELECTRONIC EQUIPMENT		
80 TACTICAL/MOBILE C41 SYSTEMS.....	32,425	32,425
81 DCGS-N.....	13,790	12,620
82 CANES.....	322,754	311,212
83 RADIAC.....	10,718	10,718
84 CANES-INTELL.....	48,028	46,075
85 GPETE.....	6,861	6,861
86 MASF.....	8,081	8,081
87 INTEG COMBAT SYSTEM TEST FACILITY.....	5,019	5,019
88 EMI CONTROL INSTRUMENTATION.....	4,188	4,188
89 ITEMS LESS THAN \$5 MILLION.....	105,292	109,447
SHIPBOARD COMMUNICATIONS		
90 SHIPBOARD TACTICAL COMMUNICATIONS.....	23,695	23,695
91 SHIP COMMUNICATIONS AUTOMATION.....	103,990	95,490
92 COMMUNICATIONS ITEMS UNDER \$5M.....	18,577	16,719
SUBMARINE COMMUNICATIONS		
93 SUBMARINE BROADCAST SUPPORT.....	29,669	27,921
94 SUBMARINE COMMUNICATION EQUIPMENT.....	86,204	77,039
SATELLITE COMMUNICATIONS		
95 SATELLITE COMMUNICATIONS SYSTEMS.....	14,654	14,654
96 NAVY MULTIBAND TERMINAL (NMT).....	69,764	63,012
SHORE COMMUNICATIONS		
97 JCS COMMUNICATIONS EQUIPMENT.....	4,256	4,256
CRYPTOGRAPHIC EQUIPMENT		
99 INFO SYSTEMS SECURITY PROGRAM (ISSP).....	89,663	89,663
100 MIO INTEL EXPLOITATION TEAM.....	961	961
CRYPTOLOGIC EQUIPMENT		
101 CRYPTOLOGIC COMMUNICATIONS EQUIP.....	11,287	11,287
OTHER ELECTRONIC SUPPORT		
110 COAST GUARD EQUIPMENT.....	36,584	36,584
-----		
TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT.....	2,555,260	2,623,543

62D

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
AVIATION SUPPORT EQUIPMENT		
SONOBUOYS		
112 SONOBUOYS - ALL TYPES.....	173,616	173,616
AIRCRAFT SUPPORT EQUIPMENT		
113 WEAPONS RANGE SUPPORT EQUIPMENT.....	72,110	66,941
114 AIRCRAFT SUPPORT EQUIPMENT.....	108,482	103,252
115 ADVANCED ARRESTING GEAR (AAG).....	10,900	10,900
116 METEOROLOGICAL EQUIPMENT.....	21,137	21,137
117 OTHER PHOTOGRAPHIC EQUIPMENT (DCRS/DPL).....	660	660
118 AIRBORNE MINE COUNTERMEASURES.....	20,605	19,297
119 AVIATION SUPPORT EQUIPMENT.....	34,032	34,750
-----		
TOTAL, AVIATION SUPPORT EQUIPMENT.....	441,542	430,553
ORDNANCE SUPPORT EQUIPMENT		
SHIP GUN SYSTEM EQUIPMENT		
120 SHIP GUN SYSTEMS EQUIPMENT.....	5,277	5,277
SHIP MISSILE SYSTEMS EQUIPMENT		
121 SHIP MISSILE SUPPORT EQUIPMENT.....	272,359	264,334
122 TOMAHAWK SUPPORT EQUIPMENT.....	73,184	73,184
FBM SUPPORT EQUIPMENT		
123 STRATEGIC MISSILE SYSTEMS EQUIP.....	246,221	238,721
ASW SUPPORT EQUIPMENT		
124 SSN COMBAT CONTROL SYSTEMS.....	129,972	146,972
125 ASW SUPPORT EQUIPMENT.....	23,209	23,209
OTHER ORDNANCE SUPPORT EQUIPMENT		
126 EXPLOSIVE ORDNANCE DISPOSAL EQUIP.....	15,596	15,596
127 ITEMS LESS THAN \$5 MILLION.....	5,981	5,981
OTHER EXPENDABLE ORDNANCE		
128 SUBMARINE TRAINING DEVICE MODS.....	74,550	72,756
130 SURFACE TRAINING EQUIPMENT.....	83,022	81,595
-----		
TOTAL, ORDNANCE SUPPORT EQUIPMENT.....	929,371	927,625

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
CIVIL ENGINEERING SUPPORT EQUIPMENT		
131 PASSENGER CARRYING VEHICLES.....	5,299	5,299
132 GENERAL PURPOSE TRUCKS.....	2,946	2,946
133 CONSTRUCTION & MAINTENANCE EQUIP.....	34,970	33,477
134 FIRE FIGHTING EQUIPMENT.....	2,541	2,541
135 TACTICAL VEHICLES.....	19,699	19,699
136 AMPHIBIOUS EQUIPMENT.....	12,162	12,162
137 POLLUTION CONTROL EQUIPMENT.....	2,748	2,748
138 ITEMS UNDER \$5 MILLION.....	18,084	18,084
139 PHYSICAL SECURITY VEHICLES.....	1,170	1,170
	-----	-----
TOTAL, CIVIL ENGINEERING SUPPORT EQUIPMENT.....	99,619	98,126
SUPPLY SUPPORT EQUIPMENT		
141 SUPPLY EQUIPMENT.....	21,797	21,797
143 FIRST DESTINATION TRANSPORTATION.....	5,572	5,572
144 SPECIAL PURPOSE SUPPLY SYSTEMS.....	482,916	482,916
	-----	-----
TOTAL, SUPPLY SUPPORT EQUIPMENT.....	510,285	510,285

62F

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
PERSONNEL AND COMMAND SUPPORT EQUIPMENT TRAINING DEVICES		
146 TRAINING AND EDUCATION EQUIPMENT.....	25,624	25,624
COMMAND SUPPORT EQUIPMENT		
147 COMMAND SUPPORT EQUIPMENT.....	59,076	56,376
149 MEDICAL SUPPORT EQUIPMENT.....	4,383	11,383
151 NAVAL MIP SUPPORT EQUIPMENT.....	2,030	2,030
152 OPERATING FORCES SUPPORT EQUIPMENT.....	7,500	7,500
153 C4ISR EQUIPMENT.....	4,010	4,010
154 ENVIRONMENTAL SUPPORT EQUIPMENT.....	23,644	23,644
155 PHYSICAL SECURITY EQUIPMENT.....	101,982	120,982
156 ENTERPRISE INFORMATION TECHNOLOGY.....	19,789	20,789
160 NEXT GENERATION ENTERPRISE SERVICE.....	104,584	89,178
-----		
TOTAL, PERSONNEL AND COMMAND SUPPORT EQUIPMENT.....	352,622	361,516
161 SPARES AND REPAIR PARTS.....	278,565	293,013
CLASSIFIED PROGRAMS.....	23,707	23,707
-----		
TOTAL, OTHER PROCUREMENT, NAVY.....	7,902,864	7,941,018
=====		

(629)

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

P-1	Budget Request	Final Bill
<b>4 HYBRID ELECTRIC DRIVE (HED)</b>	<b>6,331</b>	<b>0</b>
Program termination		-6,331
<b>5 SURFACE COMBATANT HM&amp;E</b>	<b>27,392</b>	<b>26,651</b>
Thermal management control system equipment excess installation		-741
<b>6 OTHER NAVIGATION EQUIPMENT</b>	<b>65,943</b>	<b>61,071</b>
Insufficient budget justification		-4,872
<b>8 PROGRAM</b>	<b>151,240</b>	<b>172,740</b>
ANBLQ-10(V) field change kits unit cost growth		-1,000
Program increase - submarine warfare federated tactical systems (two shipsets)		22,500
<b>9 DDG MOD</b>	<b>603,355</b>	<b>592,644</b>
Conjunctive alteration definition and integration previously funded		-5,185
DM013 installation insufficient budget justification		-4,000
AWS upgrade kits unit cost growth		-4,526
Program increase		3,000
<b>14 POLLUTION CONTROL EQUIPMENT</b>	<b>17,293</b>	<b>15,564</b>
Insufficient budget justification		-1,729
<b>15 SUBMARINE SUPPORT EQUIPMENT</b>	<b>27,990</b>	<b>27,190</b>
Installations insufficient budget justification		-800
<b>17 LCS CLASS SUPPORT EQUIPMENT</b>	<b>47,955</b>	<b>43,407</b>
MT-30 gas turbine engine previously funded		-5,323
Program increase - comprehensive review of recent surface warfare incidents		775
<b>18 SUBMARINE BATTERIES</b>	<b>17,594</b>	<b>22,594</b>
Program increase		5,000
<b>19 LPD CLASS SUPPORT EQUIPMENT</b>	<b>61,908</b>	<b>57,114</b>
Shore based spares previously funded		-3,594
Installations insufficient budget justification		-1,200
<b>23 CRUISER MODERNIZATION</b>	<b>306,050</b>	<b>299,088</b>
CEC installation cost growth		-1,400
AN/SQQ-89 installation cost growth		-5,562
<b>26 ITEMS LESS THAN \$5 MILLION</b>	<b>96,909</b>	<b>92,451</b>
Machinery plant upgrades installation excess to need		-1,958
Installations insufficient budget justification		-2,500
<b>27 CHEMICAL WARFARE DETECTORS</b>	<b>3,036</b>	<b>2,656</b>
Excess to need		-380

(62H)

P-1	Budget Request	Final Bill
28 SUBMARINE LIFE SUPPORT SYSTEM Low pressure electrolyzer early to need	10,364	5,596 -4,768
32 STANDARD BOATS Insufficient budget justification	46,094	43,789 -2,305
34 OPERATING FORCES IPE Shipyards capital investment program insufficient budget justification 25 ton portal cranes unit cost growth	191,541	172,562 -15,000 -3,979
36 LCS COMMON MISSION MODULES EQUIPMENT Mission package training equipment early to need	34,666	18,760 -15,906
37 LCS MCM MISSION MODULES ALMDS unit cost growth COBRA previously funded MCM support equipment and production engineering excess to need	55,870	45,146 -2,000 -922 -7,802
39 LCS SUW MISSION MODULES Surface-to-surface mission module early to need Excess gun module and maritime security module ahead of mission package acquisition strategy	52,960	20,925 -11,631 -20,404
40 LCS IN-SERVICE MODERNIZATION Habitability modifications early to need Design changes early to need Program increase - LCS mod for increased lethality and survivability upgrades for four ships	74,426	139,726 -14,700 -4,000 84,000
43 SPQ-9B RADAR Installation funding early to need	20,086	18,993 -1,093
44 AN/SQQ-89 SURF ASW COMBAT SYSTEM Installation cost growth	102,222	100,222 -2,000
46 SSN ACOUSTICS EQUIPMENT SA106/SA303 installations insufficient budget justification Program increase - submarine warfare federated tactical systems (two shipsets)	287,553	310,753 -1,500 24,700
51 FIXED SURVEILLANCE SYSTEM Program increase	300,102	330,102 30,000
52 SURTASS Integrated common processor kit cost growth Field changes/modifications excess growth Program increase - SURTASS array for PACOM AOR	30,180	36,580 -1,600 -2,000 10,000
54 AN/SLQ-32 Installations insufficient budget justification Block 2 electronic support system production support cost growth	240,433	233,237 -2,196 -5,000

(62I)

P-1	Budget Request	Final Bill
<b>55 SHIPBOARD IW EXPLOIT</b>	<b>187,007</b>	<b>216,615</b>
Increment F kit contract award savings and cost growth		-8,767
Program increase - SSEE increment F (three systems) and Paragon/Graywing (three systems)		38,375
<b>56 AUTOMATED IDENTIFICATION SYSTEM (AIS)</b>	<b>510</b>	<b>4,592</b>
Program increase - comprehensive review of recent surface warfare incidents - AIS laptop procurement		1,482
Program increase - comprehensive review of recent surface warfare incidents - update existing AIS laptops		2,600
<b>63 MINESWEEPING SYSTEM REPLACEMENT</b>	<b>31,531</b>	<b>57,343</b>
MSF measurement system upgrade excess growth		-2,188
Program increase - mine countermeasures systems		28,000
<b>71 AFLOAT ATC EQUIPMENT</b>	<b>44,611</b>	<b>42,614</b>
Installations insufficient budget justification		-891
AN/SPN-46 Block IV support excess growth		-1,106
<b>81 DCGS-N</b>	<b>13,790</b>	<b>12,620</b>
Product improvement afloat installations insufficient budget justification		-1,170
<b>82 CANES</b>	<b>322,754</b>	<b>311,212</b>
Installation early to need		-11,542
<b>84 CANES-INTELL</b>	<b>48,028</b>	<b>46,075</b>
Installation early to need		-1,953
<b>89 ITEMS LESS THAN \$5 MILLION</b>	<b>105,292</b>	<b>109,447</b>
Calibration standards unit cost growth		-1,752
AN/SPY-1 improvements previously funded		-1,404
Program increase - comprehensive review of recent surface warfare incidents - next generation surface ship radar		7,311
<b>91 SHIP COMMUNICATIONS AUTOMATION</b>	<b>103,990</b>	<b>95,490</b>
Shore tactical assured command and control cost growth		-8,500
<b>92 COMMUNICATIONS ITEMS UNDER \$5M</b>	<b>18,577</b>	<b>16,719</b>
Insufficient budget justification		-1,858
<b>93 SUBMARINE BROADCAST SUPPORT</b>	<b>29,669</b>	<b>27,921</b>
Installations insufficient budget justification		-1,262
Transmission equipment installation early to need		-486
<b>94 SUBMARINE COMMUNICATION EQUIPMENT</b>	<b>86,204</b>	<b>77,039</b>
Support costs excess growth		-2,565
OE-538 kits installations early to need		-515
CSRR-SSBN kits installations early to need		-4,319
CSRR-SSBN mod upgrades early to need		-1,766

(625)

P-1		Budget Request	Final Bill
96	<b>NAVY MULTIBAND TERMINAL (NMT)</b>	69,764	63,012
	Afloat ship kit cost growth		-2,393
	ATIP installations early to need		-4,359
113	<b>WEAPONS RANGE SUPPORT EQUIPMENT</b>	72,110	66,941
	LVC range integration previously funded		-5,169
114	<b>AIRCRAFT SUPPORT EQUIPMENT</b>	108,482	103,252
	Recovery NRE previously funded		-2,034
	ALLE NRE early to need		-3,196
118	<b>AIRBORNE MINE COUNTERMEASURES</b>	20,605	19,297
	ALMDS support equipment unjustified request		-1,308
119	<b>AVIATION SUPPORT EQUIPMENT</b>	34,032	34,750
	Joint technical data integration excess growth		-1,382
	Program increase - T-45 and F/A-18 physiological episodes funding		2,100
121	<b>SHIP MISSILE SUPPORT EQUIPMENT</b>	272,359	264,334
	NATO seasparrow equipment modernization previously funded		-2,621
	Installations insufficient budget justification		-2,864
	SSDS cots conversion kits unjustified request		-2,540
123	<b>STRATEGIC MISSILE SYSTEMS EQUIP</b>	246,221	238,721
	Instrumentation refresh unjustified growth		-7,500
124	<b>SSN COMBAT CONTROL SYSTEMS</b>	129,972	146,972
	Program increase - submarine warfare federated tactical systems (two shipsets)		17,000
128	<b>SUBMARINE TRAINING DEVICE MODS</b>	74,550	72,756
	SMMTT mods kits excess growth		-1,794
130	<b>SURFACE TRAINING EQUIPMENT</b>	83,022	81,595
	BFFT ship sets unit cost growth		-2,602
	BFFT upgrade kits unit cost growth		-1,940
	BFFT upgrade kits installation funding ahead of need		-3,756
	Program increase - comprehensive review of recent surface warfare incidents - shore-based bridge trainer improvements		6,871
133	<b>CONSTRUCTION &amp; MAINTENANCE EQUIP</b>	34,970	33,477
	Loader unit cost growth		-1,493
147	<b>COMMAND SUPPORT EQUIPMENT</b>	59,076	56,376
	Converged ERP unjustified cost growth		-1,600
	Deployable mission support systems excess growth		-7,100
	Program increase - optionally unmanned hydrographic survey launch		6,000

(62K)



P-1	Budget Request	Final Bill
<b>149 MEDICAL SUPPORT EQUIPMENT</b> Program increase - expeditionary medical facilities	4,383	<b>11,383</b> 7,000
<b>155 PHYSICAL SECURITY EQUIPMENT</b> Program increase - port security barriers for ship repair facilities	101,982	<b>120,982</b> 19,000
<b>156 ENTERPRISE INFORMATION TECHNOLOGY</b> Program increase - comprehensive review of recent surface warfare incidents	19,789	<b>20,789</b> 1,000
<b>160 NEXT GENERATION ENTERPRISE SERVICE</b> NGEN tech refresh unjustified growth	104,584	<b>89,178</b> -15,406
<b>161 SPARES AND REPAIR PARTS</b> Prior year carryover Program increase	278,565	<b>293,013</b> -10,552 25,000

(62L)

PROCUREMENT, MARINE CORPS

The agreement provides \$1,942,737,000 for Procurement, Marine Corps, as follows:

~~(INSERT COMPUTER TABLE)~~

~~(INSERT PROJECT LEVEL TABLE)~~ insert 63A-E

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
PROCUREMENT, MARINE CORPS		
WEAPONS AND COMBAT VEHICLES		
TRACKED COMBAT VEHICLES		
1	AAV7A1 PIP.....	107,665 85,362
2	AMPHIBIOUS COMBAT VEHICLE 1.1.....	161,511 156,693
3	LAV PIP.....	17,244 9,152
ARTILLERY AND OTHER WEAPONS		
4	EXPEDITIONARY FIRE SUPPORT SYSTEM.....	626 ---
5	155MM LIGHTWEIGHT TOWED HOWITZER.....	20,259 20,259
6	HIGH MOBILITY ARTILLERY ROCKET SYSTEM.....	59,943 57,943
7	WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION.....	19,616 15,616
OTHER SUPPORT		
8	MODIFICATION KITS.....	17,778 17,778
-----		
	TOTAL, WEAPONS AND COMBAT VEHICLES.....	404,642 362,803
GUIDED MISSILES AND EQUIPMENT		
GUIDED MISSILES		
10	GROUND BASED AIR DEFENSE.....	9,432 9,432
11	JAVELIN.....	41,159 35,026
12	FOLLOW ON TO SMAW.....	25,125 19,053
13	ANTI-ARMOR WEAPONS SYSTEM-HEAVY (AAWS-H).....	51,553 46,509
-----		
	TOTAL, GUIDED MISSILES AND EQUIPMENT.....	127,269 110,020

63A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
COMMUNICATIONS AND ELECTRONICS EQUIPMENT		
COMMAND AND CONTROL SYSTEMS		
16	COMMON AVIATION COMMAND AND CONTROL SYS.....	44,928 44,928
REPAIR AND TEST EQUIPMENT		
17	REPAIR AND TEST EQUIPMENT.....	33,056 29,417
COMMAND AND CONTROL		
20	ITEMS UNDER \$5 MILLION (COMM & ELEC).....	17,644 37,844
21	AIR OPERATIONS C2 SYSTEMS.....	18,393 17,474
RADAR + EQUIPMENT (NON-TEL)		
22	RADAR SYSTEMS.....	12,411 12,411
23	GROUND/AIR TASK ORIENTED RADAR.....	139,167 134,967
24	RQ-21 UAS.....	77,841 74,241
INTELL/COMM EQUIPMENT (NON-TEL)		
25	GCSS-MC.....	1,990 1,990
26	FIRE SUPPORT SYSTEM.....	22,260 22,260
27	INTELLIGENCE SUPPORT EQUIPMENT.....	55,759 50,759
29	UNMANNED AIR SYSTEMS (INTEL).....	10,154 10,154
30	DCGS-MC.....	13,462 13,462
31	UAS PAYLOADS.....	14,193 12,258
OTHER COMM/ELEC EQUIPMENT (NON-TEL)		
35	NEXT GENERATION ENTERPRISE NETWORK (NGEN).....	98,511 97,014
OTHER SUPPORT (NON-TEL)		
36	COMMON COMPUTER RESOURCES.....	66,894 59,470
37	COMMAND POST SYSTEMS.....	186,912 188,221
38	RADIO SYSTEMS.....	34,361 30,861
39	COMM SWITCHING & CONTROL SYSTEMS.....	54,615 47,115
40	COMM & ELEC INFRASTRUCTURE SUPPORT.....	44,455 39,455
-----		
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT.....	947,006 924,301
SUPPORT VEHICLES		
ADMINISTRATIVE VEHICLES		
42	COMMERCIAL CARGO VEHICLES.....	66,951 59,123

638

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
TACTICAL VEHICLES		
43 MOTOR TRANSPORT MODIFICATIONS.....	21,824	21,824
44 JOINT LIGHT TACTICAL VEHICLE.....	233,639	233,639
45 FAMILY OF TACTICAL TRAILERS.....	1,938	1,938
46 TRAILERS.....	10,282	---
-----		
TOTAL, SUPPORT VEHICLES.....	334,634	316,524
ENGINEER AND OTHER EQUIPMENT		
ENGINEER AND OTHER EQUIPMENT		
48 ENVIRONMENTAL CONTROL EQUIP ASSORT.....	1,405	1,405
50 TACTICAL FUEL SYSTEMS.....	1,788	1,788
51 POWER EQUIPMENT ASSORTED.....	9,910	9,910
52 AMPHIBIOUS SUPPORT EQUIPMENT.....	5,830	5,830
53 EOD SYSTEMS.....	27,240	27,240
MATERIALS HANDLING EQUIPMENT		
54 PHYSICAL SECURITY EQUIPMENT.....	53,477	36,573
GENERAL PROPERTY		
56 TRAINING DEVICES.....	76,185	72,827
58 FAMILY OF CONSTRUCTION EQUIPMENT.....	26,286	29,786
59 FAMILY OF INTERNALLY TRANSPORTABLE VEHICLE (ITV).....	1,583	1,583
OTHER SUPPORT		
60 ITEMS LESS THAN \$5 MILLION.....	7,716	7,716
-----		
TOTAL, ENGINEER AND OTHER EQUIPMENT.....	211,420	194,658
62 SPARES AND REPAIR PARTS.....	35,640	30,217
CLASSIFIED PROGRAMS.....	4,214	4,214
-----		
TOTAL, PROCUREMENT, MARINE CORPS.....	2,064,825	1,942,737
=====		

630

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
**[In thousands of dollars]**

P-1	Budget Request	Final Bill
1 AAV7A1 PIP Survivability upgrades program delay	107,665	85,362 -22,303
2 AMPHIBIOUS COMBAT VEHICLE 1.1 Excess program management Training devices ahead of need	161,511	156,693 -3,185 -1,633
3 LAV PIP Forward financing LAV-ATM installations	17,244	9,152 -8,092
4 EXPEDITIONARY FIRE SUPPORT SYSTEM USMC requested program termination	626	0 -626
6 HIGH MOBILITY ARTILLERY ROCKET SYSTEM Unit cost growth	59,943	57,943 -2,000
7 WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION Insufficient budget justification	19,616	15,616 -4,000
11 JAVELIN Unit cost growth	41,159	35,026 -6,133
12 FOLLOW ON TO SMAW Unit cost growth	25,125	19,053 -6,072
13 ANTI-ARMOR WEAPONS SYSTEM-HEAVY (AAWS-H) Unit cost growth	51,553	46,509 -5,044
17 REPAIR AND TEST EQUIPMENT MAGTF logistics hardware unit cost growth	33,056	29,417 -3,639
20 ITEMS UNDER \$5 MILLION (COMM & ELEC) Program increase - night optics (INOD) block III for sniper rifle	17,644	37,844 20,200
21 AIR OPERATIONS C2 SYSTEMS Insufficient budget justification	18,393	17,474 -919
23 GROUND/AIR TASK ORIENTED RADAR Logistics support excess to need	139,167	134,967 -4,200
24 RQ-21 UAS Attrition air vehicles early to need	77,841	74,241 -3,600

(63D)

P-1	Budget Request	Final Bill
<b>27 INTELLIGENCE SUPPORT EQUIPMENT</b>	<b>55,759</b>	<b>50,759</b>
Insufficient budget justification		-5,000
<b>31 UAS PAYLOADS</b>	<b>14,193</b>	<b>12,258</b>
Group 1 unjustified growth		-1,935
<b>35 NEXT GENERATION ENTERPRISE NETWORK (NGEN)</b>	<b>98,511</b>	<b>97,014</b>
Wireless local area network excess growth		-1,497
<b>36 COMMON COMPUTER RESOURCES</b>	<b>66,894</b>	<b>59,470</b>
Formal schools technical refresh unjustified growth		-3,276
SONIC workstations excess growth		-4,148
<b>37 COMMAND POST SYSTEMS</b>	<b>186,912</b>	<b>188,221</b>
Insufficient budget justification		-14,326
Program increase		20,000
AN/PRC-117G unit cost adjustment		-4,365
<b>38 RADIO SYSTEMS</b>	<b>34,361</b>	<b>30,861</b>
Insufficient budget justification		-3,500
<b>39 COMM SWITCHING &amp; CONTROL SYSTEMS</b>	<b>54,615</b>	<b>47,115</b>
Combat data network equipment previously funded		-7,500
<b>40 COMM &amp; ELEC INFRASTRUCTURE SUPPORT</b>	<b>44,455</b>	<b>39,455</b>
Prior year carryover		-5,000
<b>42 COMMERCIAL CARGO VEHICLES</b>	<b>66,951</b>	<b>59,123</b>
Commercial passenger vehicles excess growth		-5,828
CPD previously funded		-2,000
<b>46 TRAILERS</b>	<b>10,282</b>	<b>0</b>
Unjustified request		-10,282
<b>54 PHYSICAL SECURITY EQUIPMENT</b>	<b>53,477</b>	<b>36,573</b>
Collateral equipment early to need		-16,904
<b>56 TRAINING DEVICES</b>	<b>76,185</b>	<b>72,827</b>
Immersive training range support costs early to need		-6,253
Prior year carryover		-3,186
Ranges and training area management unjustified growth		-2,798
Program increase - ITESS-II force on force training systems		8,879
<b>58 FAMILY OF CONSTRUCTION EQUIPMENT</b>	<b>26,286</b>	<b>29,786</b>
Program increase - laser leveling systems		3,500
<b>62 SPARES AND REPAIR PARTS</b>	<b>35,640</b>	<b>30,217</b>
G/ATOR spares early to need		-5,423

(63E)

AIRCRAFT PROCUREMENT, AIR FORCE

The agreement provides \$18,504,556,000 for Aircraft Procurement, Air Force, as follows:

~~(INSERT COMPUTER TABLE)~~<sup>e</sup>

~~(INSERT PROJECT LEVEL TABLE)~~ Insert 64A-G



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
AIRCRAFT PROCUREMENT, AIR FORCE		
COMBAT AIRCRAFT TACTICAL FORCES		
1	F-35.....	4,544,684 5,724,684
2	F-35 (AP-CY).....	780,300 780,300
3	KC-46A TANKER.....	2,545,674 2,927,129
	TOTAL, COMBAT AIRCRAFT.....	7,870,658 9,432,113
-----		
AIRLIFT AIRCRAFT OTHER AIRLIFT		
4	C-130J.....	57,708 639,708
6	HC-130J.....	198,502 281,502
8	MC-130J.....	379,373 979,373
9	MC-130J (AP).....	30,000 30,000
	TOTAL, AIRLIFT AIRCRAFT.....	665,583 1,930,583
-----		
OTHER AIRCRAFT MISSION SUPPORT AIRCRAFT		
12	CIVIL AIR PATROL A/C.....	2,695 10,600
13	PALE ALE.....	--- 28,500
-----		
OTHER AIRCRAFT		
14	TARGET DRONES.....	109,841 109,841
17	MQ-9.....	117,141 300,253
15X	COMPASS CALL.....	--- 108,173
	TOTAL, OTHER AIRCRAFT.....	229,677 557,367
-----		

64A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
MODIFICATION OF INSERVICE AIRCRAFT		
STRATEGIC AIRCRAFT		
18 B-2A.....	96,727	94,552
19 B-1B.....	155,634	121,634
20 B-52.....	109,295	109,295
21 LARGE AIRCRAFT INFRARED COUNTERMEASURES.....	4,046	4,046
TACTICAL AIRCRAFT		
22 A-10.....	6,010	109,010
23 F-15.....	417,193	422,843
24 F-16.....	203,864	243,864
25 F-22A.....	161,630	144,830
26 F-22A.....	15,000	15,000
27 F-35 MODIFICATIONS.....	68,270	23,270
28 INCREMENT 3.2b.....	105,756	105,756
30 KC-46A TANKER.....	6,213	1,213
AIRLIFT AIRCRAFT		
31 C-5.....	36,592	21,742
32 C-5M.....	6,817	6,817
33 C-17A.....	125,522	103,022
34 C-21.....	13,253	13,253
35 C-32A.....	79,449	79,449
36 C-37A.....	15,423	145,423
37 C-130J.....	10,727	---
TRAINER AIRCRAFT		
38 GLIDER MODS.....	136	136
39 T6.....	35,706	35,706
40 T-1.....	21,477	21,477
41 T-38.....	51,641	51,641

(643)

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
OTHER AIRCRAFT		
42 U-2 MODS.....	36,406	33,406
43 KC-10A (ATCA).....	4,243	4,243
44 C-12.....	5,846	5,846
45 VC-25A MOD.....	52,107	52,107
46 C-40.....	31,119	31,119
47 C-130.....	66,310	210,310
48 C130J MODS.....	171,230	181,957
49 C-135.....	69,428	69,428
50 OC-135B.....	23,091	23,091
51 COMPASS CALL MODS.....	166,541	69,068
52 COMBAT FLIGHT INSPECTION (CFIN).....	495	495
53 RC-135.....	201,559	204,559
54 E-3.....	189,772	176,692
55 E-4.....	30,493	25,914
56 E-8.....	13,232	13,232
57 AIRBORNE WARNING AND CONTROL SYSTEM.....	164,786	142,886
58 FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS.....	24,716	15,017
59 H-1.....	3,730	3,730
60 H-60.....	75,989	75,989
61 RQ-4 UAV MODS.....	43,968	83,568
62 HC/MC-130 MODIFICATIONS.....	67,674	56,674
63 OTHER AIRCRAFT.....	59,068	59,068
65 MQ-9 MODS.....	264,740	197,540
66 CV-22 MODS.....	60,990	60,990
-----		
TOTAL, MODIFICATION OF INSERVICE AIRCRAFT.....	3,573,914	3,670,908

64C

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
AIRCRAFT SPARES AND REPAIR PARTS		
67 INITIAL SPARES/REPAIR PARTS.....	1,041,569	1,048,819
AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES		
COMMON SUPPORT EQUIPMENT		
68 AIRCRAFT REPLACEMENT SUPPORT EQUIP.....	75,846	68,064
69 COMMON SUPPORT EQUIPMENT.....	8,524	8,524
71 T-53A TRAINER.....	501	501
POST PRODUCTION SUPPORT		
72 B-2A.....	447	447
73 B-2A.....	38,509	38,509
74 B-52.....	199	199
75 C-17A.....	12,028	12,028
78 RC-135.....	29,700	29,700
79 F-15.....	20,000	20,000
80 F-15 POST PRODUCTION SUPPORT.....	2,524	2,524
81 F-16 POST PRODUCTION SUPPORT.....	18,051	8,151
82 F-22A.....	119,566	119,566
83 OTHER AIRCRAFT.....	85,000	85,000
85 RQ-4 POST PRODUCTION CHARGES.....	86,695	86,695
86 CV-22 MODS.....	4,500	4,500
INDUSTRIAL PREPAREDNESS		
87 INDUSTRIAL PREPAREDNESS.....	14,739	30,739
88 C-130J.....	102,000	---
WAR CONSUMABLES		
89 WAR CONSUMABLES.....	37,647	137,647
OTHER PRODUCTION CHARGES		
90 OTHER PRODUCTION CHARGES.....	1,339,160	1,158,160
92 OTHER AIRCRAFT.....	600	600
-----		
TOTAL, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES....	1,996,236	1,811,554
CLASSIFIED PROGRAMS.....	53,212	53,212
-----		
TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE.....	15,430,849	18,504,556
=====		

(64D)

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

P-1	Budget Request	Final Bill
<b>1 F-35</b>	<b>4,544,684</b>	<b>5,724,684</b>
Program increase - ten aircraft		1,258,000
Program increase - tooling		60,000
Non-recurring cost prior year carryover		-88,000
Unit cost savings		-50,000
<b>3 KC-46</b>	<b>2,545,674</b>	<b>2,927,129</b>
Program increase - three aircraft		510,000
Program excess		-103,795
Unit cost savings		-24,750
<b>4 C-130J</b>	<b>57,708</b>	<b>639,708</b>
Program increase - six aircraft for the Air National Guard		480,000
Weapon system trainer - Air Force requested transfer from line 88		102,000
<b>6 HC-130J</b>	<b>198,502</b>	<b>281,502</b>
Program increase - one aircraft		100,000
Excess unit cost growth		-17,000
<b>8 MC-130J</b>	<b>379,373</b>	<b>979,373</b>
Program increase - five aircraft		600,000
<b>12 CIVIL AIR PATROL AIRCRAFT</b>	<b>2,695</b>	<b>10,600</b>
Program increase		7,905
<b>13 PALE ALE</b>	<b>0</b>	<b>28,500</b>
Program increase - SOUTHCOM maritime patrol aircraft expansion		28,500
<b>15X COMPASS CALL</b>	<b>0</b>	<b>108,173</b>
Second EC-X air vehicle - transfer from line 51		108,173
<b>17 MQ-9</b>	<b>117,141</b>	<b>300,253</b>
Transfer 12 aircraft from title IX		198,112
Dual ground control station unit cost growth		-15,000
<b>18 B-2</b>	<b>96,727</b>	<b>94,552</b>
CVR install excess to need		-1,146
Flex Strike install excess to need		-1,029
<b>19 B-1B</b>	<b>155,634</b>	<b>121,634</b>
F101 engine SLEP - previously funded requirement		-34,000
<b>22 A-10</b>	<b>6,010</b>	<b>109,010</b>
Program increase - wing replacement program		103,000
<b>23 F-15</b>	<b>417,193</b>	<b>422,843</b>
Program increase - infrared search and track		10,000
APG-82 unit cost growth		-4,350
<b>24 F-16</b>	<b>203,864</b>	<b>243,864</b>
Program increase - AESA radars		40,000

(64E)

P-1		Budget Request	Final Bill
25	F-22	161,630	144,830
	RAMMP installation cost growth		-11,800
	Trainers modernization excess growth		-5,000
27	F-35 MODIFICATIONS	68,270	23,270
	Historical underexecution		-45,000
30	KC-46	6,213	1,213
	Modification funds ahead of need		-5,000
31	C-5	36,592	21,742
	CMC and weather radar contract delay		-14,850
33	C-17	125,522	103,022
	IFF GATM Mode 5 kit cost growth		-22,500
36	C-37	15,423	145,423
	Program increase - two aircraft - Air Force unfunded requirement		130,000
37	C-130J	10,727	0
	Air Force requested transfer to line 48		-10,727
42	U-2	36,406	33,406
	Air Force requested transfer to line 53		-3,000
47	C-130	66,310	210,310
	Engine enhancement program		74,000
	Eight-blade propeller upgrade		55,000
	C-130H modernization		15,000
48	C-130J	171,230	181,957
	Air Force requested transfer from line 37		10,727
51	COMPASS CALL MODS	166,541	69,068
	Third BL3 kit for EC-X ahead of need		-23,900
	Second EC-X air vehicle - transfer to line 15X		-108,173
	EC-X Compass Call Cross Deck - mission and support equipment		24,600
	EC-130H Compass Call - avionics viability program		10,000
53	RC-135	201,559	204,559
	Air Force requested transfer from line 42		3,000
54	E-3	189,772	176,692
	Dragon B kits unit cost growth		-7,790
	Installation costs ahead of need		-5,290
55	E-4	30,493	25,914
	LFTS baseline kit unit cost growth		-4,579
57	AWACS	164,786	142,886
	Block 40/45 A kits unit cost growth		-21,900
58	FAB-T	24,716	15,017
	Contract delay		-9,699

(64F)

<b>P-1</b>	<b>Budget Request</b>	<b>Final Bill</b>
<b>61 RQ-4 MODS</b> Replace RQ-4 tactical field terminal antennas - MIP	<b>43,968</b>	<b>83,568</b> 39,600
<b>62 HC/MC-130 MODS</b> Situational awareness contract delay	<b>67,674</b>	<b>56,674</b> -11,000
<b>65 MQ-9 MODS</b> DAS-4 upgrade prior year carryover	<b>264,740</b>	<b>197,540</b> -67,200
<b>67 INITIAL SPARES/REPAIR PARTS</b> Additional F-35 initial spares KC-46A spares prior year carryover C-17 spares excess to need Prior year carryover	<b>1,041,569</b>	<b>1,048,819</b> 79,600 -22,000 -20,000 -30,350
<b>68 AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT</b> CAPRE procurement funding ahead of need	<b>75,846</b>	<b>68,064</b> -7,782
<b>81 F-16</b> Production line shutdown excess to need	<b>18,051</b>	<b>8,151</b> -9,900
<b>87 INDUSTRIAL RESPONSIVENESS</b> Program increase - unfunded requirement	<b>14,739</b>	<b>30,739</b> 16,000
<b>88 C-130J</b> Weapon system trainer - Air Force requested transfer to line 4	<b>102,000</b>	<b>0</b> -102,000
<b>89 WAR CONSUMABLES</b> Program increase - MALD-J	<b>37,647</b>	<b>137,647</b> 100,000
<b>90 OTHER PRODUCTION CHARGES</b> Program increase Classified adjustment	<b>1,339,160</b>	<b>1,158,160</b> 5,000 -186,000

649

## F-15 INFRARED SEARCH AND TRACK

The Secretary of the Air Force is directed not to obligate funds provided for F-15 infrared search and track pods until 15 days after the Secretary of the Air Force submits to the congressional defense committees a report certifying that the pods to be procured will meet or exceed the threshold parameters identified in the report submitted pursuant to Section 219 of the National Defense Authorization Act for Fiscal Year 2016. This report may be submitted in classified form.

## B-2 ANTISKID CONTROL UNIT AND BRAKING SYSTEM

The Secretary of the Air Force is directed to provide a report to the congressional defense committees not later than 90 days after the enactment of this Act on the condition of B-2 brake systems and a timeline to either replace the entire brake system or replace parts that are no longer available, in short supply, or obsolete.



MISSILE PROCUREMENT, AIR FORCE

The agreement provides \$2,207,747,000 for Missile Procurement, Air Force, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~ insert 66A-B

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
MISSILE PROCUREMENT, AIR FORCE		
BALLISTIC MISSILES		
MISSILE REPLACEMENT EQUIPMENT - BALLISTIC		
1	MISSILE REPLACEMENT EQ-BALLISTIC.....	99,098 94,744
OTHER MISSILES		
TACTICAL		
2	JOINT AIR-SURFACE STANDOFF MISSILE (JASSM).....	441,367 433,117
3	LONG RANGE ANTI-SHIP MISSILE (LRASMO).....	44,728 61,728
4	SIDEWINDER (AIM-9X).....	125,350 124,650
5	AMRAAM.....	304,327 264,327
6	PREDATOR HELLFIRE MISSILE.....	34,867 34,867
7	SMALL DIAMETER BOMB.....	266,030 257,030
INDUSTRIAL FACILITIES		
8	INDUSTRIAL PREPAREDNESS/POLLUTION PREVENTION.....	926 926
-----		
	TOTAL, OTHER MISSILES.....	1,217,595 1,176,645
MODIFICATION OF INSERVICE MISSILES		
CLASS IV		
9	ICBM FUZE MOD.....	6,334 6,334
10	MM III MODIFICATIONS.....	80,109 63,978
11	AGM-65D MAVERICK.....	289 289
13	AIR LAUNCH CRUISE MISSILE.....	36,425 36,425
14	SMALL DIAMETER BOMB.....	14,086 14,086
-----		
	TOTAL, MODIFICATION OF INSERVICE MISSILES.....	137,243 121,112
SPARES AND REPAIR PARTS		
15	INITIAL SPARES/REPAIR PARTS.....	101,153 94,153
SPECIAL PROGRAMS		
20	SPECIAL UPDATE PROGRAMS.....	32,917 32,917
	CLASSIFIED PROGRAMS.....	708,176 688,176
-----		
	TOTAL, SPECIAL PROGRAMS.....	741,093 721,093
-----		
	TOTAL, MISSILE PROCUREMENT, AIR FORCE.....	2,296,182 2,207,747
=====		

(66A)

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**

[In thousands of dollars]

P-1	Budget Request	Final Bill
<b>1 MISSILE REPLACEMENT EQUIPMENT-BALLISTIC</b>	<b>99,098</b>	<b>94,744</b>
Excess to need		-4,354
<b>2 JOINT AIR-TO-SURFACE STANDOFF MISSILE</b>	<b>441,367</b>	<b>433,117</b>
Pricing adjustment		-8,250
<b>3 LRASM</b>	<b>44,728</b>	<b>61,728</b>
Program increase for full funding		17,000
<b>4 SIDEWINDER</b>	<b>125,350</b>	<b>124,650</b>
Pricing adjustment		-700
<b>5 AMRAAM</b>	<b>304,327</b>	<b>264,327</b>
Rephase missile buys due to DMS and F3R delay		-40,000
<b>7 SMALL DIAMETER BOMB</b>	<b>266,030</b>	<b>257,030</b>
SDB I pricing adjustment		-9,000
<b>10 MM III MODIFICATIONS</b>	<b>80,109</b>	<b>63,978</b>
RVA II ahead of need		-16,131
<b>15 INITIAL SPARES/REPAIR PARTS</b>	<b>101,153</b>	<b>94,153</b>
MMIII initial and replenishment spares excess to need		-7,000
<b>999 CLASSIFIED PROGRAMS</b>	<b>708,176</b>	<b>688,176</b>
Classified adjustment		-20,000

66B

## SPACE PROCUREMENT, AIR FORCE

The agreement provides \$3,552,175,000 for Space Procurement, Air Force, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 67A-B

## SPACE ACQUISITION STRATEGY

In early 2017, the Office of Cost Assessment and Program Evaluation (CAPE) provided an analysis of national security space acquisition that found a troubling pattern of near-simultaneous recapitalization of almost every Department of Defense satellite system. The analysis showed a dramatic decrease in spending on space research and development following recapitalization that resulted in a reduction of scientists and engineers at major satellite contractors in the following decade. This industrial base decline, in turn, resulted in even higher costs during the next recapitalization phase as contractors and the government had to rebuild a skilled workforce for several satellite architectures concurrently.

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
SPACE PROCUREMENT, AIR FORCE		
SPACE PROGRAMS		
1	ADVANCED EHF.....	56,974 56,974
2	AF SATELLITE COMM SYSTEM.....	57,516 47,516
3	COUNTERSPACE SYSTEMS.....	28,798 28,798
4	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS.....	146,972 101,092
5	WIDEBAND GAPPILLER SATELLITES.....	80,849 675,849
6	GPS III SPACE SEGMENT.....	85,894 85,894
7	GLOBAL POSITIONING (SPACE).....	2,198 2,198
8	SPACEBORNE EQUIP (COMSEC).....	25,048 25,048
10	MILSATCOM TERMINALS.....	33,033 33,033
11	EVOLVED EXPENDABLE LAUNCH VEH CAPABILITY.....	957,420 905,420
12	EVOLVED EXPENDABLE LAUNCH VEH (SPACE).....	606,488 493,188
13	SBIR HIGH (SPACE).....	981,009 931,009
14	SBIR HIGH (SPACE) (AP-CY).....	132,420 ---
15	NUDET DETECTION SYSTEM SPACE.....	6,370 6,370
16	SPACE MODS SPACE.....	37,203 37,203
17	SPACELIFT RANGE SYSTEM SPACE.....	113,874 113,874
SPARES AND REPAIR PARTS		
18	INITIAL SPARES/REPAIR PARTS.....	18,709 8,709
-----		
TOTAL, SPACE PROCUREMENT, AIR FORCE.....	3,370,775	3,552,175
=====		

(67A)

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**

[In thousands of dollars]

P-1	Budget Request	Final Bill
2 AIR FORCE SATELLITE COMMUNICATION SYSTEM Improving funds management	57,516	47,516 -10,000
4 FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS Restoring acquisition accountability	146,972	101,092 -45,880
5 WIDEBAND GAPFILLER SATELLITES Improving funds management Program increase - full funding for WGS 11 and 12	80,849	675,849 -5,000 600,000
11 EVOLVED EXPENDABLE LAUNCH VEHICLE (CAPABILITY) Improving funds management	957,420	905,420 -52,000
12 EVOLVED EXPENDABLE LAUNCH VEHICLE (SPACE) Reduce duplication	606,488	493,188 -113,300
13 SBIRS HIGH (SPACE) Early to need	981,009	931,009 -50,000
14 SBIRS HIGH (SPACE) ADVANCE PROCUREMENT Improving funds management Transfer to RDTE,AF line 122A	132,420	0 -50,000 -82,420
18 SPARES AND REPAIR PARTS Unobligated balances	18,709	8,709 -10,000

(67B)

There is a concern that the Air Force is about to embark on another near-simultaneous recapitalization of its space architecture as it plans for new development in space situation awareness; positioning, navigation, and timing; weather; missile warning; wideband communications; and protected communications. In light of the CAPE analysis and future budget constraints, the Secretary of the Air Force is directed to provide a report to the congressional defense committees not later than 60 days after the enactment of this Act, that examines the recapitalization plans for the major systems noted above, certifies that decisions to recapitalize versus continue production of current designs pose acceptable risks to constellation sustainment and the acquisition workforce, and considers budgetary constraints.

#### SPACE BASED INFRARED SYSTEM

Following submission of the fiscal year 2018 budget request, the Air Force changed its acquisition strategy for overhead persistent infrared (OPIR) missile warning systems. The fiscal year 2018 budget request included \$132,400,000 for advance procurement for the next block of Space Based Infrared System (SBIRS) satellites. The agreement reduces this amount by \$50,000,000 and transfers the remaining \$82,400,000 to a new program, Next Generation OPIR, in Research, Development, Test and Evaluation, Air Force, so that the Air Force can begin development of a new system that will provide resiliency upgrades, payload modernization, and other enhancements.

The agreement also transfers \$173,584,000 from SBIRS High and \$71,018,000 from Evolved SBIRS, both in Research, Development, Test and Evaluation, Air Force, to fund the Next Generation OPIR program. However, there is a concern that the OPIR acquisition strategy was still undefined well into fiscal year 2018 and that the new acquisition strategy, including a spend plan, has yet to be formally briefed to the

congressional defense committees. Therefore, OPIR is designated as a congressional special interest item and the Secretary of the Air Force is directed to submit an acquisition plan, to include cost and schedule estimates, to the congressional defense committees not later than 30 days after the enactment of this Act. The Secretary of the Air Force is also directed to provide quarterly briefings to the congressional defense committees detailing progress against cost and schedule milestones.



## PROCUREMENT OF AMMUNITION, AIR FORCE

The agreement provides \$1,651,977,000 for Procurement of Ammunition, Air Force, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~ insert 70A-B

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
PROCUREMENT OF AMMUNITION, AIR FORCE		
1	PROCUREMENT OF AMMO, AIR FORCE ROCKETS.....	147,454 216,029
2	CARTRIDGES.....	161,744 195,944
BOMBS		
3	PRACTICE BOMBS.....	28,509 28,509
4	GENERAL PURPOSE BOMBS.....	329,501 341,501
5	MASSIVE ORDNANCE PENETRATOR (MOP).....	38,382 38,382
6	JOINT DIRECT ATTACK MUNITION.....	319,525 513,525
7	B61.....	77,068 63,668
8	B61.....	11,239 11,239
FLARE, IR MJU-7B		
9	CAD/PAD.....	53,469 53,469
10	EXPLOSIVE ORDNANCE DISPOSAL (EOD).....	5,921 5,921
11	SPARES AND REPAIR PARTS.....	678 678
12	MODIFICATIONS.....	1,409 1,409
13	ITEMS LESS THAN \$5,000,000.....	5,047 5,047
FUZES		
15	FLARES.....	143,983 123,983
16	FUZES.....	24,062 24,062
-----		
	TOTAL, PROCUREMENT OF AMMO, AIR FORCE.....	1,347,991 1,623,366
WEAPONS		
14	SMALL ARMS.....	28,611 28,611
-----		
	TOTAL, PROCUREMENT OF AMMUNITION, AIR FORCE.....	1,376,602 1,651,977
=====		

FOA

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**

[In thousands of dollars]

P-1	Budget Request	Final Bill
<b>1 ROCKETS</b>	<b>147,454</b>	<b>216,029</b>
Program increase - APKWS		73,300
Penetrator warhead - delayed fielding decision		-4,725
<b>2 CARTRIDGES</b>	<b>161,744</b>	<b>195,944</b>
PGU-48 excess to need		-2,000
Program increase - JUON		36,200
<b>4 GENERAL PURPOSE BOMBS</b>	<b>329,501</b>	<b>341,501</b>
Acquisition strategy (GBU-49)		-36,000
Prior year carryover		-2,000
Program increase		50,000
<b>6 JOINT DIRECT ATTACK MUNITION (JDAM)</b>	<b>319,525</b>	<b>513,525</b>
Program increase		194,000
<b>7 B61</b>	<b>77,068</b>	<b>63,668</b>
AUR trainers excess to need		-9,900
CMS excess to need		-3,500
<b>15 FLARES</b>	<b>143,983</b>	<b>123,983</b>
Prior year carryover		-20,000

70B

OTHER PROCUREMENT, AIR FORCE

The agreement provides \$20,503,273,000 for Other Procurement, Air Force, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~ insert 71A-E

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
OTHER PROCUREMENT, AIR FORCE		
VEHICULAR EQUIPMENT		
PASSENGER CARRYING VEHICLES		
1	PASSENGER CARRYING VEHICLE.....	15,651 15,651
CARGO + UTILITY VEHICLES		
2	FAMILY MEDIUM TACTICAL VEHICLE.....	54,607 38,251
3	CAP VEHICLES.....	1,011 1,700
4	ITEMS LESS THAN \$5M (CARGO).....	28,670 28,670
SPECIAL PURPOSE VEHICLES		
5	SECURITY AND TACTICAL VEHICLES.....	59,398 50,180
6	ITEMS LESS THAN \$5M (SPECIAL).....	19,784 19,784
FIRE FIGHTING EQUIPMENT		
7	FIRE FIGHTING/CRASH RESCUE VEHICLES.....	14,768 14,768
MATERIALS HANDLING EQUIPMENT		
8	ITEMS LESS THAN \$5,000,000.....	13,561 13,561
BASE MAINTENANCE SUPPORT		
9	RUNWAY SNOW REMOVAL & CLEANING EQUIP.....	3,429 3,429
10	ITEMS LESS THAN \$5M.....	60,075 60,075
-----		
	TOTAL, VEHICULAR EQUIPMENT.....	270,954 246,069
ELECTRONICS AND TELECOMMUNICATIONS EQUIP		
COMM SECURITY EQUIPMENT(COMSEC)		
11	COMSEC EQUIPMENT.....	115,000 106,681
INTELLIGENCE PROGRAMS		
13	INTERNATIONAL INTEL TECH AND ARCHITECTURES.....	22,335 16,335
14	INTELLIGENCE TRAINING EQUIPMENT.....	5,892 5,892
15	INTELLIGENCE COMM EQUIP.....	34,072 34,072
ELECTRONICS PROGRAMS		
16	TRAFFIC CONTROL/LANDING.....	66,143 18,803
17	NATIONAL AIRSPACE SYSTEM.....	12,641 12,641
18	BATTLE CONTROL SYSTEM - FIXED.....	6,415 6,415
19	THEATER AIR CONTROL SYS IMPRO.....	23,233 23,233
20	WEATHER OBSERVATION FORECAST.....	40,116 40,116
21	STRATEGIC COMMAND AND CONTROL.....	72,810 72,810
22	CHEYENNE MOUNTAIN COMPLEX.....	9,864 9,864
23	MISSION PLANNING SYSTEMS.....	15,486 15,486
25	INTEGRATED STRAT PLAN AND ANALY NETWORK (ISPAN).....	9,187 9,187

71A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
SPECIAL COMM-ELECTRONICS PROJECTS		
26	GENERAL INFORMATION TECHNOLOGY.....	51,826 51,826
27	AF GLOBAL COMMAND & CONTROL SYSTEM.....	3,634 3,634
28	MOBILITY COMMAND AND CONTROL.....	10,083 10,083
29	AIR FORCE PHYSICAL SECURITY SYSTEM.....	201,866 306,066
30	COMBAT TRAINING RANGES.....	115,198 89,778
31	MINIMUM ESSENTIAL EMERGENCY COMM N.....	292 292
32	WIDE AREA SURVEILLANCE (WAS).....	62,087 62,087
33	C3 COUNTERMEASURES.....	37,764 37,764
34	GCSS-AF FOS.....	2,826 1,426
35	DEFENSE ENTERPRISE ACCOUNTING AND MGMT.....	1,514 1,000
36	THEATER BATTLE MGT C2 SYS.....	9,646 9,646
37	AIR AND SPACE OPERATIONS CTR-WPN SYSTEM.....	25,533 25,533
AIR FORCE COMMUNICATIONS		
40	INFORMATION TRANSPORT SYSTEMS.....	28,159 28,159
41	AFNET.....	160,820 186,820
42	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE).....	5,135 5,135
43	USCENTCOM.....	18,719 18,719

718

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
ORGANIZATION AND BASE		
44 TACTICAL C-E EQUIPMENT.....	123,206	123,206
45 COMBAT SURVIVOR EVADER LOCATER.....	3,004	3,004
46 RADIO EQUIPMENT.....	15,736	15,736
47 CCTV/AUDIOVISUAL EQUIPMENT.....	5,480	3,480
48 BASE COMM INFRASTRUCTURE.....	130,539	130,539
MODIFICATIONS		
49 COMM ELECT MODS.....	70,798	70,798
-----		
TOTAL, ELECTRONICS AND TELECOMMUNICATIONS EQUIP.....	1,517,059	1,556,266
OTHER BASE MAINTENANCE AND SUPPORT EQUIP		
PERSONAL SAFETY AND RESCUE EQUIP		
51 ITEMS LESS THAN \$5,000,000 (SAFETY).....	52,964	110,672
DEPOT PLANT + MATERIALS HANDLING EQ		
52 MECHANIZED MATERIAL HANDLING.....	10,381	8,576
BASE SUPPORT EQUIPMENT		
53 BASE PROCURED EQUIPMENT.....	15,038	7,038
54 ENGINEERING AND EOD EQUIPMENT.....	26,287	26,287
55 MOBILITY EQUIPMENT.....	8,470	50,250
56 ITEMS LESS THAN \$5M (BASE SUPPORT).....	28,768	28,768
SPECIAL SUPPORT PROJECTS		
58 DARP RC135.....	25,985	25,985
59 DISTRIBUTED GROUND SYSTEMS.....	178,423	248,223
61 SPECIAL UPDATE PROGRAM.....	840,980	840,980
-----		
TOTAL, OTHER BASE MAINTENANCE AND SUPPORT EQUIP.....	1,187,296	1,346,779
SPARE AND REPAIR PARTS		
72 SPARES AND REPAIR PARTS.....	26,675	17,381
CLASSIFIED PROGRAMS.....	16,601,513	17,336,778
-----		
TOTAL, OTHER PROCUREMENT, AIR FORCE.....	19,603,497	20,503,273
=====		

710

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**

[In thousands of dollars]

P-1	Budget Request	Final Bill
<b>2 MEDIUM TACTICAL VEHICLE</b>	<b>54,607</b>	<b>38,251</b>
Unit cost adjustments		-6,356
Prior year carryover		-10,000
<b>3 CIVIL AIR PATROL VEHICLES</b>	<b>1,011</b>	<b>1,700</b>
Program increase		689
<b>5 SECURITY AND TACTICAL VEHICLES</b>	<b>59,398</b>	<b>50,180</b>
JLTV unit cost adjustments		-9,218
<b>11 COMSEC EQUIPMENT</b>	<b>115,000</b>	<b>106,681</b>
KMI last mile previously funded		-8,319
<b>13 INTERNATIONAL INTEL TECH &amp; ARCHITECTURES</b>	<b>22,335</b>	<b>16,335</b>
Air Force requested transfer to RDTE,AF line 269		-6,000
<b>16 AIR TRAFFIC CONTROL &amp; LANDING SYSTEMS</b>	<b>66,143</b>	<b>18,803</b>
D-ILS support costs		-4,038
D-RAPCON program delay		-43,302
<b>29 AIR FORCE PHYSICAL SECURITY SYSTEM</b>	<b>201,866</b>	<b>306,066</b>
Prior year carryover		-10,000
Program increase - JUON		114,200
<b>30 COMBAT TRAINING RANGES</b>	<b>115,198</b>	<b>89,778</b>
Excess to need		-25,420
<b>34 GCSS-AF FOS</b>	<b>2,826</b>	<b>1,426</b>
Prior year carryover		-1,400
<b>35 DEAMS</b>	<b>1,514</b>	<b>1,000</b>
Prior year carryover		-514
<b>41 AFNET</b>	<b>160,820</b>	<b>186,820</b>
ARAD enterprise software - NIPRnet		18,000
ARAD enterprise software - SIPRnet		8,000
<b>47 CCTV/AV EQUIPMENT</b>	<b>5,480</b>	<b>3,480</b>
Prior year carryover		-2,000
<b>51 ITEMS LESS THAN \$5M</b>	<b>52,964</b>	<b>110,672</b>
Next generation ejection seat ahead of need		-992
Prior year carryover		-5,000
Battlefield airman combat equipment - Air National Guard		59,400
Battlefield airman combat equipment - Air Force Reserve		4,300
<b>52 MECHANIZED MHE</b>	<b>10,381</b>	<b>8,576</b>
Pricing adjustments		-1,805

710



P-1	Budget Request	Final Bill
<b>53 BASE PROCURED EQUIPMENT</b> Unjustified PMA growth	15,038	7,038 -8,000
<b>55 MOBILITY EQUIPMENT</b> Program increase Program increase - Set the theater - base expeditionary airfield resources - PACOM	8,470	50,250 5,100 36,680
<b>59 DCGS-AF</b> Program increase	178,423	248,223 69,800
<b>64 SPARES AND REPAIR PARTS</b> JTE spares ahead of need D-RAPCON program delay	26,675	17,381 -8,000 -1,294
<b>999 CLASSIFIED PROGRAMS</b> Classified adjustment	16,601,513	17,336,778 735,265

(71E)

PROCUREMENT, DEFENSE-WIDE

The agreement provides \$5,429,270,000 for Procurement, Defense-Wide, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 72A-E

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
PROCUREMENT, DEFENSE-WIDE		
MAJOR EQUIPMENT		
MAJOR EQUIPMENT, DCAA		
1	MAJOR EQUIPMENT ITEMS LESS THAN \$5M.....	1,475 1,475
MAJOR EQUIPMENT, DCMA		
2	MAJOR EQUIPMENT.....	4,347 4,347
MAJOR EQUIPMENT, DHRA		
3	PERSONNEL ADMINISTRATION.....	14,588 14,588
MAJOR EQUIPMENT, DISA		
7	INFORMATION SYSTEMS SECURITY.....	24,805 26,805
8	TELEPORT PROGRAM.....	46,638 46,638
9	ITEMS LESS THAN \$5M.....	15,541 15,541
10	NET CENTRIC ENTERPRISE SERVICES (NCES).....	1,161 1,161
11	DEFENSE INFORMATION SYSTEMS NETWORK.....	126,345 126,345
12	CYBER SECURITY INITIATIVE.....	1,817 1,817
13	WHITE HOUSE COMMUNICATION AGENCY.....	45,243 45,243
14	SENIOR LEADERSHIP ENTERPRISE.....	294,139 154,139
16	JOINT REGIONAL SECURITY STACKS (JRSS).....	188,483 168,483
17	JOINT SERVICE PROVIDER.....	100,783 80,974
MAJOR EQUIPMENT, DLA		
19	MAJOR EQUIPMENT.....	2,951 2,951
MAJOR EQUIPMENT, DMACT		
20	A - WEAPON SYSTEM COST.....	13,464 13,464
MAJOR EQUIPMENT, DODEA		
21	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS.....	1,910 1,910
23	MAJOR EQUIPMENT.....	1,073 1,073
MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY		
25	VEHICLES.....	204 204
26	OTHER MAJOR EQUIPMENT.....	12,363 12,363

72A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
MAJOR EQUIPMENT, MDA		
27 THAAD SYSTEM.....	451,592	616,592
28 AEGIS BMD.....	425,018	632,353
29 AEGIS BMD (AP).....	38,738	---
30 BMDS AN/TPY-2 RADARS.....	947	947
31 ARROW WEAPON SYSTEM.....	---	120,000
32 DAVID'S SLING WEAPON SYSTEM.....	---	120,000
33 AEGIS ASHORE PHASE III.....	59,739	74,739
34 IRON DOME SYSTEM.....	42,000	92,000
35 AEGIS BMD HARDWARE AND SOFTWARE.....	160,330	187,070
 MAJOR EQUIPMENT, NSA		
41 INFORMATION SYSTEMS SECURITY PROGRAM (ISSP).....	5,938	5,938
 MAJOR EQUIPMENT, OSD		
42 MAJOR EQUIPMENT, OSD.....	36,999	21,999
 MAJOR EQUIPMENT, TJS		
43 MAJOR EQUIPMENT, TJS.....	9,341	9,341
44 MAJOR EQUIPMENT, TJS-CE2T2.....	903	903
 MAJOR EQUIPMENT, WHS		
45 MAJOR EQUIPMENT, WHS.....	10,529	10,529
 TOTAL, MAJOR EQUIPMENT.....	2,139,404	2,611,932
-----		
SPECIAL OPERATIONS COMMAND		
AVIATION PROGRAMS		
49 SOF ROTARY WING UPGRADES AND SUSTAINMENT.....	158,988	139,788
50 UNMANNED ISR.....	13,295	21,595
51 NON-STANDARD AVIATION.....	4,892	4,892
52 SOF U-28.....	5,769	5,769
53 MH-47 CHINOOK.....	87,345	233,845
55 CV-22 SOF MODIFICATION.....	42,178	42,178
57 MQ-9 UNMANNED AERIAL VEHICLE.....	21,660	21,660
59 PRECISION STRIKE PACKAGE.....	229,728	229,728
60 AC/MC-130J.....	179,934	164,934
61 C-130 MODIFICATIONS.....	28,059	28,862

72B

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
SHIPBUILDING		
62 UNDERWATER SYSTEMS.....	92,606	77,306
AMMUNITION PROGRAMS		
63 SOF ORDNANCE ITEMS UNDER \$5,000,000.....	112,331	112,331
OTHER PROCUREMENT PROGRAMS		
64 SOF INTELLIGENCE SYSTEMS.....	82,538	82,538
65 DCGS-SOF.....	11,042	11,042
66 OTHER ITEMS UNDER \$5,000,000.....	54,592	52,092
67 SOF COMBATANT CRAFT SYSTEMS.....	23,272	40,772
68 SPECIAL PROGRAMS.....	16,053	16,053
69 TACTICAL VEHICLES.....	63,304	66,304
70 WARRIOR SYSTEMS UNDER \$5,000,000.....	252,070	259,770
71 COMBAT MISSION REQUIREMENTS.....	19,570	19,570
72 SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES.....	3,589	3,589
73 SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE.....	17,953	17,953
75 SOF OPERATIONAL ENHANCEMENTS.....	241,429	310,766
TOTAL, SPECIAL OPERATIONS COMMAND.....	1,762,197	1,963,337
CHEMICAL/BIOLOGICAL DEFENSE		
76 CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS.....	135,031	121,704
77 CB PROTECTION AND HAZARD MITIGATION.....	141,027	127,429
TOTAL, CHEMICAL/BIOLOGICAL DEFENSE.....	276,058	249,133
CLASSIFIED PROGRAMS.....	657,759	604,868
TOTAL, PROCUREMENT, DEFENSE-WIDE.....	4,835,418	5,429,270

720

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

<b>P-1</b>	<b>Budget Request</b>	<b>Final Bill</b>
<b>7 INFORMATION SYSTEMS SECURITY</b> Program increase - Sharkseer	<b>24,805</b>	<b>26,805</b> 2,000
<b>14 SENIOR LEADERSHIP ENTERPRISE</b> Unjustified request	<b>294,139</b>	<b>154,139</b> -140,000
<b>16 JOINT REGIONAL SECURITY STOCKS (JRSS)</b> Break and inspect previously funded	<b>188,483</b>	<b>168,483</b> -20,000
<b>17 JOINT SERVICE PROVIDER</b> PRMRF capital equipment - unjustified transfer	<b>100,783</b>	<b>80,974</b> -19,809
<b>27 THAAD SYSTEM</b> Program increase – 14 interceptors	<b>451,592</b>	<b>616,592</b> 165,000
<b>28 AEGIS BMD</b> Tools and test equipment unjustified request Systems engineering and integration unjustified request Program increase – ten interceptors and associated canisters SM-3 IIA interceptors - transfer all up rounds full funding from RDTE,DW line 80 Program increase – fully fund four SM-3 Block IIA all up rounds	<b>425,018</b>	<b>632,353</b> -2,546 -9,116 107,750 41,247 70,000
<b>29 AEGIS BMD (AP-CY)</b> Advance procurement early to need	<b>38,738</b>	<b>0</b> -38,738
<b>31 ARROW WEAPON SYSTEM</b> Program increase - co-production	<b>0</b>	<b>120,000</b> 120,000
<b>32 DAVID'S SLING WEAPON SYSTEM</b> Program increase - co-production	<b>0</b>	<b>120,000</b> 120,000
<b>33 AEGIS ASHORE PHASE III</b> Program increase - Aegis Ashore Poland	<b>59,739</b>	<b>74,739</b> 15,000
<b>34 IRON DOME SYSTEM</b> Program increase - co-production	<b>42,000</b>	<b>92,000</b> 50,000
<b>35 AEGIS BMD HARDWARE AND SOFTWARE</b> MDA PNT 4650.05 unjustified request Program increase - FTM-29 flight test repeat	<b>160,330</b>	<b>187,070</b> -3,260 30,000
<b>42 MAJOR EQUIPMENT, OSD</b> Forward financing	<b>36,999</b>	<b>21,999</b> -15,000
<b>49 SOF ROTARY WING UPGRADES AND SUSTAINMENT</b> SOCOM requested transfer to RDTE,DW line 251 SOCOM requested transfer to RDTE,DW line 251 Degraded visual environment acquisition strategy	<b>158,988</b>	<b>139,788</b> -7,500 -6,000 -5,700
<b>50 UNMANNED ISR</b> Program increase - improve the capability of the force	<b>13,295</b>	<b>21,595</b> 8,300

720

<b>P-1</b>	<b>Budget Request</b>	<b>Final Bill</b>
<b>53 MH-47 CHINOOK</b> Program increase - four new build MH-47G aircraft	<b>87,345</b>	<b>233,845</b> 146,500
<b>60 AC/MC-130J</b> Program decrease - RFCM delay	<b>179,934</b>	<b>164,934</b> -15,000
<b>61 C-130 MODIFICATIONS</b> RAMS ahead of need Program increase - JUON SO-0110 (C-MANPADS)	<b>28,059</b>	<b>28,862</b> -4,397 5,200
<b>62 UNDERWATER SYSTEMS</b> Program decrease – shallow water combat submersible SOCOM requested transfer to RDTE,DW line 258	<b>92,606</b>	<b>77,306</b> -2,500 -12,800
<b>66 SOF OTHER ITEMS UNDER \$5M</b> Collateral equipment ahead of need	<b>54,592</b>	<b>52,092</b> -2,500
<b>67 SOF COMBATANT CRAFT SYSTEMS</b> Program increase – maritime systems	<b>23,272</b>	<b>40,772</b> 17,500
<b>69 TACTICAL VEHICLES</b> Program increase – non-standard vehicles	<b>63,304</b>	<b>66,304</b> 3,000
<b>70 SOF WARRIOR SYSTEMS UNDER \$5M</b> Program increase – close air support radios Program increase – weapons optics	<b>252,070</b>	<b>259,770</b> 5,000 2,700
<b>75 SOF OPERATIONAL ENHANCEMENTS</b> Program increase – enhanced precision strike munitions Program increase – Joint Task Force Platform Expansion - outfit OCONUS facility w/ C4I infrastructure Program increase – improve the capability of the force	<b>241,429</b>	<b>310,766</b> 13,250 4,000 52,087
<b>76 CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS</b> Program adjustments - CBRN DRS Prior year carryover - CALS fielding support	<b>135,031</b>	<b>121,704</b> -11,127 -2,200
<b>77 CB PROTECTION AND HAZARD MITIGATION</b> Contract delays - GPD Contract delays - JSAM	<b>141,027</b>	<b>127,429</b> -3,892 -9,706
<b>999 CLASSIFIED PROGRAMS</b> Classified adjustment	<b>657,759</b>	<b>604,868</b> -52,891

72E

## DEFENSE PRODUCTION ACT PURCHASES

The agreement provides \$67,401,000 for Defense Production Act Purchases, as follows:

### EXPLANATION OF PROJECT LEVEL ADJUSTMENTS [In thousands of dollars]

	Budget Request	Final Bill
<b>DEFENSE PRODUCTION ACT PURCHASES</b>	<b>37,401</b>	<b>67,401</b>
Program increase		30,000
<b>TOTAL, DEFENSE PRODUCTION ACT PURCHASES</b>	<b>37,401</b>	<b>67,401</b>



## TITLE IV - RESEARCH, DEVELOPMENT, TEST AND EVALUATION

The agreement provides \$88,308,133,000 in Title IV, Research, Development, Test and Evaluation, as follows:

~~(INSERT RDTE SUMMARY TABLE)~~

Insert 74A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
RECAPITULATION		
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY.....	9,425,440	10,647,426
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY.....	17,650,035	18,010,754
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE.	34,914,359	37,428,078
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE.....	20,490,902	22,010,975
OPERATIONAL TEST AND EVALUATION, DEFENSE.....	210,900	210,900
GRAND TOTAL, RDT&E.....	82,691,636	88,308,133
	=====	=====

74A

## REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS

The Secretary of Defense is directed to continue to follow the reprogramming guidance as specified in the report accompanying the House version of the Department of Defense Appropriations bill for Fiscal Year 2008 (House Report 110-279). Specifically, the dollar threshold for reprogramming funds shall remain at \$20,000,000 for procurement and \$10,000,000 for research, development, test and evaluation.

Also, the Under Secretary of Defense (Comptroller) is directed to continue to provide the congressional defense committees quarterly, spreadsheet-based DD Form 1416 reports for Service and defense-wide accounts in titles III and IV of this Act. Reports for titles III and IV shall comply with the guidance specified in the explanatory statement accompanying the Department of Defense Appropriations Act, 2006. The Department shall continue to follow the limitation that prior approval reprogrammings are set at either the specified dollar threshold or 20 percent of the procurement or research, development, test and evaluation line, whichever is less. These thresholds are cumulative from the base for reprogramming value as modified by any adjustments. Therefore, if the combined value of transfers into or out of a procurement (P-1) or research, development, test and evaluation (R-1) line exceeds the identified threshold, the Secretary of Defense must submit a prior approval reprogramming to the congressional defense committees. In addition, guidelines on the application of prior approval reprogramming procedures for congressional special interest items are established elsewhere in this statement.

## FUNDING INCREASES

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

### RESEARCH, DEVELOPMENT, TEST AND EVALUATION SPECIAL INTEREST ITEMS

Items for which additional funds have been provided as shown in the project level tables or in paragraphs using the phrase “only for” or “only to” in the explanatory statement are congressional special interest items for the purpose of the Base for Reprogramming (DD Form 1414). Each of these items must be carried on the DD Form 1414 at the stated amount as specifically addressed in the explanatory statement.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

The agreement provides \$10,647,426,000 for Research, Development, Test and Evaluation, Army, as follows:

~~(INSERT COMPUTER TABLE)~~

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 77A-Q

ARMORED MULTI-PURPOSE VEHICLE

To ensure that Armored Multi-Purpose Vehicles are operationally effective before deploying to theater, the Secretary of the Army is encouraged to accelerate testing. The Secretary of the Army is directed to provide a report to the congressional defense committees not later than 90 days after the enactment of this Act on the results of vehicle testing to date and an explanation of why vehicles are being procured in significant quantities prior to initial operational test and evaluation, currently scheduled for the second quarter of fiscal year 2021.

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY		
BASIC RESEARCH		
1	IN-HOUSE LABORATORY INDEPENDENT RESEARCH.....	12,010 12,010
2	DEFENSE RESEARCH SCIENCES.....	263,590 273,590
3	UNIVERSITY RESEARCH INITIATIVES.....	67,027 77,027
4	UNIVERSITY AND INDUSTRY RESEARCH CENTERS.....	87,395 107,395
	TOTAL, BASIC RESEARCH.....	430,022 470,022
-----		
APPLIED RESEARCH		
5	MATERIALS TECHNOLOGY.....	29,640 81,640
6	SENSORS AND ELECTRONIC SURVIVABILITY.....	35,730 81,230
7	TRACTOR HIP.....	8,627 8,627
8	AVIATION TECHNOLOGY.....	66,086 73,586
9	ELECTRONIC WARFARE TECHNOLOGY.....	27,144 34,144
10	MISSILE TECHNOLOGY.....	43,742 53,742
11	ADVANCED WEAPONS TECHNOLOGY.....	22,785 37,785
12	ADVANCED CONCEPTS AND SIMULATION.....	28,650 28,650
13	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY.....	67,232 77,232
14	BALLISTICS TECHNOLOGY.....	85,309 85,309
15	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY....	4,004 4,004
16	JOINT SERVICE SMALL ARMS PROGRAM.....	5,615 5,615
17	WEAPONS AND MUNITIONS TECHNOLOGY.....	41,455 245,455
18	ELECTRONICS AND ELECTRONIC DEVICES.....	58,352 91,352
19	NIGHT VISION TECHNOLOGY.....	34,723 38,723
20	COUNTERMINE SYSTEMS.....	26,190 26,190
21	HUMAN FACTORS ENGINEERING TECHNOLOGY.....	24,127 24,127
22	ENVIRONMENTAL QUALITY TECHNOLOGY.....	21,678 39,678
23	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY.....	33,123 33,123
24	COMPUTER AND SOFTWARE TECHNOLOGY.....	14,041 14,041
25	MILITARY ENGINEERING TECHNOLOGY.....	67,720 115,920
26	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY.....	20,216 20,216

77A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
27	WARFIGHTER TECHNOLOGY.....	39,559 59,559
28	MEDICAL TECHNOLOGY.....	83,434 89,434
	TOTAL, APPLIED RESEARCH.....	889,182 1,369,382
	ADVANCED TECHNOLOGY DEVELOPMENT	
29	WARFIGHTER ADVANCED TECHNOLOGY.....	44,863 53,363
30	MEDICAL ADVANCED TECHNOLOGY.....	67,780 106,780
31	AVIATION ADVANCED TECHNOLOGY.....	160,746 178,746
32	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY.....	84,079 152,079
33	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY.....	125,537 155,037
34	SPACE APPLICATION ADVANCED TECHNOLOGY.....	12,231 39,731
35	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY..	6,466 6,466
36	TRACTOR HIKE.....	28,552 28,552
37	NEXT GENERATION TRAINING & SIMULATION SYSTEMS.....	16,434 16,434
39	COMBATING TERRORISM, TECHNOLOGY DEVELOPMENT.....	26,903 43,903
40	TRACTOR NAIL.....	4,880 4,880
41	TRACTOR EGGS.....	4,326 4,326
42	ELECTRONIC WARFARE TECHNOLOGY.....	31,296 34,296
43	MISSILE AND ROCKET ADVANCED TECHNOLOGY.....	62,850 135,850
44	TRACTOR CAGE.....	12,323 12,323
45	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM.....	182,331 221,331
46	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY.....	17,948 18,948
47	JOINT SERVICE SMALL ARMS PROGRAM.....	5,796 5,796
48	NIGHT VISION ADVANCED TECHNOLOGY.....	47,135 47,135
49	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS.....	10,421 29,421
50	MILITARY ENGINEERING ADVANCED TECHNOLOGY.....	32,448 97,648
51	ADVANCED TACTICAL COMPUTER SCIENCE & SENSOR TECHNOLOGY	52,206 52,206
52	COMMAND, CONTROL, COMMUNICATIONS ADVANCED TECHNOLOGY..	33,426 33,426
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	1,070,977 1,478,677

74B

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
53	9,634	23,634
55	33,949	35,949
56	72,909	72,909
57	7,135	9,205
58	41,452	41,902
59	32,739	42,739
60	10,157	13,157
61	27,733	27,733
62	12,347	10,947
63	10,456	10,456
64	2,588	2,588
65	14,055	10,055
66	35,333	30,833
67	33,491	33,491
68	20,239	55,239
69	39,608	39,608
70	9,921	7,611
71	76,728	59,828
72	115,221	150,221
73	20,000	20,000
74	10,400	10,400
75	164,967	139,967
76	1,600	1,600
77	11,303	11,303
78	56,492	56,492
79	20,432	30,432
TOTAL, DEMONSTRATION & VALIDATION	890,889	948,299

77C



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
80	ENGINEERING & MANUFACTURING DEVELOPMENT AIRCRAFT AVIONICS.....	30,153 30,153
81	ELECTRONIC WARFARE DEVELOPMENT.....	71,671 71,671
83	MID-TIER NETWORKING VEHICULAR RADIO.....	10,589 ---
84	ALL SOURCE ANALYSIS SYSTEM.....	4,774 4,774
85	TRACTOR CAGE.....	17,252 30,252
86	INFANTRY SUPPORT WEAPONS.....	87,643 96,492
87	MEDIUM TACTICAL VEHICLES.....	6,039 6,039
88	JAVELIN.....	21,095 21,095
89	FAMILY OF HEAVY TACTICAL VEHICLES.....	10,507 10,507
90	AIR TRAFFIC CONTROL.....	3,536 3,536
92	LIGHT TACTICAL WHEELED VEHICLES.....	7,000 7,000
93	ARMORED SYSTEMS MODERNIZATION (ASM) - ENG DEV.....	36,242 36,242
94	NIGHT VISION SYSTEMS - SDD.....	108,504 126,004
95	COMBAT FEEDING, CLOTHING, AND EQUIPMENT.....	3,702 8,702
96	NON-SYSTEM TRAINING DEVICES - SDD.....	43,575 53,575
97	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE -SDD....	28,726 191,526
98	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT.....	18,562 18,562
99	AUTOMATIC TEST EQUIPMENT DEVELOPMENT.....	8,344 7,315
100	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS) - SDD.....	11,270 11,270
101	BRILLIANT ANTI-ARMOR SUBMUNITION (BAT).....	10,000 10,000
102	COMBINED ARMS TACTICAL TRAINER (CATT) CORE.....	18,566 18,566
103	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION.....	145,360 145,360
104	WEAPONS AND MUNITIONS - SDD.....	145,232 149,410
105	LOGISTICS AND ENGINEER EQUIPMENT - SDD.....	90,965 88,633
106	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS - SDD.....	9,910 9,910
107	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT.	39,238 39,238
108	LANDMINE WARFARE/BARRIER - SDD.....	34,684 25,884
109	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE...	164,409 162,909
110	RADAR DEVELOPMENT.....	32,968 32,968
111	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEB).....	49,554 49,554
112	FIREFINDER.....	45,605 45,605
113	SOLDIER SYSTEMS - WARRIOR DEM/VAL.....	16,127 16,127

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
114 SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS -EMD.....	98,600	92,900
115 ARTILLERY SYSTEMS.....	1,972	3,972
116 INFORMATION TECHNOLOGY DEVELOPMENT.....	81,776	71,283
117 INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A).....	172,361	189,744
118 ARMORED MULTI-PURPOSE VEHICLE.....	199,778	191,778
119 INTEGRATED GROUND SECURITY SURVEILLANCE RESPONSE CAPABILITY (IGSSR-C).....	4,418	4,418
120 JOINT TACTICAL NETWORK CENTER (JTNC).....	15,877	15,877
121 JOINT TACTICAL NETWORK (JTN).....	44,150	44,150
122 TRACTOR TIRE.....	34,670	113,570
123 GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM - EXPEDITIONARY (GBOSS-E).....	5,207	20,869
124 TACTICAL SECURITY SYSTEM (TSS).....	4,727	4,727
125 COMMON INFRARED COUNTERMEASURES (CIRCM).....	105,778	79,378
126 COMBATING WEAPONS OF MASS DESTRUCTION (CWMD).....	6,927	6,927
127 EVIDENCE COLLECTION AND DETAINEE PROCESSING.....	214	214
128 NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHICLE....	16,125	16,125
129 DEFENSIVE CYBER TOOL DEVELOPMENT.....	55,165	43,165
130 TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER).....	20,076	11,337
131 CONTRACT WRITING SYSTEM.....	20,322	20,322
132 MISSILE WARNING SYSTEM MODERNIZATION (MWSM).....	55,810	13,000
133 AIRCRAFT SURVIVABILITY DEVELOPMENT.....	30,879	30,879
134 INDIRECT FIRE PROTECTION CAPABILITY INC 2 - BLOCK 1...	175,069	162,869
135 GROUND ROBOTICS.....	70,760	63,010
137 AMF JOINT TACTICAL RADIO SYSSTEM.....	8,965	18,965
138 JOINT AIR-TO-GROUND MISSILE (JAGM).....	34,626	29,726
140 ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD).....	336,420	351,420
143 NATIONAL CAPABILITIES INTEGRATION.....	6,882	9,382
144 JOINT LIGHT TACTICAL VEHICLE ENG AND MANUFACTURING....	23,467	23,467
145 AVIATION GROUND SUPPORT EQUIPMENT.....	6,930	6,930
146 PALADIN INTEGRATED MANAGEMENT (PIM).....	6,112	6,112
147 TROJAN - RH12.....	4,431	4,431
150 ELECTRONIC WARFARE DEVELOPMENT.....	14,616	14,616

77E

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
151 TRACTOR BEARS.....	17,928	17,928
TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	3,012,840	3,212,370
152 RDT&E MANAGEMENT SUPPORT THREAT SIMULATOR DEVELOPMENT.....	22,862	31,862
153 TARGET SYSTEMS DEVELOPMENT.....	13,902	13,902
154 MAJOR T&E INVESTMENT.....	102,901	114,901
155 RAND ARROYO CENTER.....	20,140	20,140
156 ARMY KWAJALEIN ATOLL.....	246,663	246,663
157 CONCEPTS EXPERIMENTATION PROGRAM.....	29,820	29,820
159 ARMY TEST RANGES AND FACILITIES.....	307,588	317,588
160 ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS.....	49,242	59,242
161 SURVIVABILITY/LETHALITY ANALYSIS.....	41,843	41,843
162 AIRCRAFT CERTIFICATION.....	4,804	4,804
163 METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES.....	7,238	7,238
164 MATERIEL SYSTEMS ANALYSIS.....	21,890	21,890
165 EXPLOITATION OF FOREIGN ITEMS.....	12,684	12,684
166 SUPPORT OF OPERATIONAL TESTING.....	51,040	51,040
167 ARMY EVALUATION CENTER.....	56,246	56,246
168 ARMY MODELING AND SIMULATION X-CMD COLLABORATION AND INTEG.....	1,829	1,829
169 PROGRAMWIDE ACTIVITIES.....	55,060	55,060
170 TECHNICAL INFORMATION ACTIVITIES.....	33,934	40,934
171 MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY...	43,444	72,444
172 ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT.....	5,087	5,087
173 MANAGEMENT HEADQUARTERS (RESEARCH AND DEVELOPMENT)....	54,679	54,679
174 MILITARY GROUND-BASED CREW TECHNOLOGY.....	7,916	7,916
175 RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE.....	61,254	61,254
176 DEFENSE MILITARY DECEPTION INITIATIVE.....	1,779	1,779
TOTAL, RDT&E MANAGEMENT SUPPORT.....	1,253,845	1,330,845

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
178	OPERATIONAL SYSTEMS DEVELOPMENT MLRS PRODUCT IMPROVEMENT PROGRAM.....	8,929 8,929
179	TRACTOR PULL.....	4,014 4,014
180	ANTI-TAMPER TECHNOLOGY SUPPORT.....	4,094 4,094
181	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS....	15,738 15,738
182	TRACTOR SMOKE.....	4,513 12,143
183	LONG RANGE PRECISION FIRES (LRPF).....	102,014 84,014
184	APACHE PRODUCT IMPROVEMENT PROGRAM.....	59,977 57,877
185	BLACKHAWK RECAP/MODERNIZATION.....	34,416 34,416
186	CHINOOK HELICOPTER PRODUCT IMPROVEMENT PROGRAM.....	194,567 161,817
187	FIXED WING AIRCRAFT.....	9,981 9,981
188	IMPROVED TURBINE ENGINE PROGRAM.....	204,304 174,504
189	EMERGING TECHNOLOGIES FROM NIE.....	1,023 26,153
190	LOGISTICS AUTOMATION.....	1,504 ---
191	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT.....	10,064 10,064
192	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS.....	38,463 38,463
193	FAMILY OF BIOMETRICS.....	6,159 3,159
194	PATRIOT PRODUCT IMPROVEMENT.....	90,217 79,467
195	AEROSTAT JOINT PROJECT OFFICE.....	6,749 ---
196	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM....	33,520 33,520
197	COMBAT VEHICLE IMPROVEMENT PROGRAMS.....	343,175 321,175
198	MANEUVER CONTROL SYSTEM.....	6,639 6,639
198	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS.....	40,784 40,784
200	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS...	39,358 39,358
201	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM.....	145 145
202	DIGITIZATION.....	4,803 4,803
203	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM.....	2,723 28,723
204	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS.....	5,000 5,000
205	TRACTOR CARD.....	37,883 37,883
207	MATERIALS HANDLING EQUIPMENT.....	1,582 1,582
208	ENVIRONMENTAL QUALITY TECHNOLOGY - OPERATIONAL SYSTEM.	195 195
209	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM.....	78,926 72,426

776

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
210	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS).....	102,807 97,807
213	SECURITY AND INTELLIGENCE ACTIVITIES.....	13,807 35,652
214	INFORMATION SYSTEMS SECURITY PROGRAM.....	132,438 112,438
215	GLOBAL COMBAT SUPPORT SYSTEM.....	64,370 46,987
217	WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM.....	10,475 10,475
220	COMBINED ADVANCED APPLICATIONS.....	1,100 1,100
222	TACTICAL UNMANNED AERIAL VEHICLES.....	9,433 9,433
223	AIRBORNE RECONNAISSANCE SYSTEMS.....	5,080 5,080
224	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.....	24,700 24,700
225	MQ-1 SKY WARRIOR A UAV (MQ-1C GRAY EAGLE UAS).....	9,574 9,574
226	RQ-11 UAV.....	2,191 2,191
227	RQ-7 UAV.....	12,773 12,773
228	BIOMETRICS ENABLED INTELLIGENCE.....	2,537 2,537
229	WIN-T INCREMENT 2 - INITIAL NETWORKING.....	4,723 ---
230	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES.....	60,877 120,677
231	SATCOM GROUND ENVIRONMENT (SPACE).....	11,959 11,959
232	JOINT TACTICAL GROUND SYSTEM.....	10,228 10,228
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	1,040,285 1,072,324
9999	CLASSIFIED PROGRAMS.....	7,154 7,154
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY.....	9,425,440 10,647,426

77H

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

R-1	Budget Request	Final Bill
<b>2 DEFENSE RESEARCH SCIENCES</b>	<b>263,590</b>	<b>273,590</b>
Collaborative research in the human dimension		10,000
<b>3 UNIVERSITY RESEARCH INITIATIVES</b>	<b>67,027</b>	<b>77,027</b>
Program increase		10,000
<b>4 UNIVERSITY AND INDUSTRY RESEARCH CENTERS</b>	<b>87,395</b>	<b>107,395</b>
Materials in extreme dynamic environments		5,000
Basic research program increase		15,000
<b>5 MATERIALS TECHNOLOGY</b>	<b>29,640</b>	<b>81,640</b>
Open campus pilot program		8,000
Program increase		24,000
High end materials for military applications		5,000
Materials technology for high performance polymers research		15,000
<b>6 SENSORS AND ELECTRONIC SURVIVABILITY</b>	<b>35,730</b>	<b>81,230</b>
Advanced space data exploitation and integration program		7,500
Agile manufacturing materials processing		23,000
Tactical space - small satellite technology development		15,000
<b>8 AVIATION TECHNOLOGY</b>	<b>66,086</b>	<b>73,586</b>
Program increase		2,500
Aviation and missile technology transfer and innovation		5,000
<b>9 ELECTRONIC WARFARE TECHNOLOGY</b>	<b>27,144</b>	<b>34,144</b>
Program increase		7,000
<b>10 MISSILE TECHNOLOGY</b>	<b>43,742</b>	<b>53,742</b>
Composites research - air vehicle development and sustainment		10,000
<b>11 ADVANCED WEAPONS TECHNOLOGY</b>	<b>22,785</b>	<b>37,785</b>
High energy laser development for all-terrain vehicles		10,000
Army aerophysics research		5,000
<b>13 COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY</b>	<b>67,232</b>	<b>77,232</b>
Program increase		10,000

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R-1	Budget Request	Final Bill
<b>17 WEAPONS AND MUNITIONS TECHNOLOGY</b>	<b>41,455</b>	<b>245,455</b>
Program increase		18,000
Extended range cannon artillery		20,000
Sensor fused munition		20,000
Laser weapons accuracy		15,000
Defense against small UAS		20,000
120mm cannon fired guided missile		10,000
Weapons effectiveness in urban engagement		15,000
Armament systems integration		20,000
Armament systems concepting		20,000
Advanced processing of insensitive energetic materials		6,000
Hybrid projectile technology		5,000
Composite barrel technology		10,000
Railgun weapon technology		25,000
<b>18 ELECTRONICS AND ELECTRONIC DEVICES</b>	<b>58,352</b>	<b>91,352</b>
Flexible hybrid electronics technology		7,000
Protective and anti-tamper technologies for electronic attack		10,000
Silicon carbide electronics research		16,000
<b>19 NIGHT VISION TECHNOLOGY</b>	<b>34,723</b>	<b>38,723</b>
Program increase		4,000
<b>22 ENVIRONMENTAL QUALITY TECHNOLOGY</b>	<b>21,678</b>	<b>39,678</b>
Explosive ordnance disposal		5,000
Coatings technology		3,000
Environmental containment sensors		6,000
UAS for UXO detection		4,000
<b>25 MILITARY ENGINEERING TECHNOLOGY</b>	<b>67,720</b>	<b>115,920</b>
Innovative construction materials for the Arctic		8,000
Secure management of energy generation and storage		3,000
Advanced blast load simulator		4,500
Construction materials		7,000
Engineered resilient systems		10,000
Lightweight high performance materials		10,000
M1 Abrams tank track system		1,600
Smart runway program		2,100
Bio-inspired functionally graded composites for hazard mitigation		2,000
<b>27 WARFIGHTER TECHNOLOGY</b>	<b>39,559</b>	<b>59,559</b>
H98 clothing and technology		5,000
Program increase		5,000
Expeditionary mobile base camp technology		5,000
Multifunctional advanced lightweight transparent armors		5,000
<b>28 MEDICAL TECHNOLOGY</b>	<b>83,434</b>	<b>89,434</b>
Burn patient transfer system		2,000
Program increase		4,000
<b>29 WARFIGHTER ADVANCED TECHNOLOGY</b>	<b>44,863</b>	<b>53,363</b>
Maneuver support		6,000
Non-centroidal helmets for warfighters		2,500

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R-1	Budget Request	Final Bill
<b>30 MEDICAL ADVANCED TECHNOLOGY</b>	<b>67,780</b>	<b>106,780</b>
Peer-reviewed neurotoxin exposure treatment Parkinson's research		16,000
Peer-reviewed neurofibromatosis research		15,000
Peer-reviewed military burn research program		8,000
<b>31 AVIATION ADVANCED TECHNOLOGY</b>	<b>160,746</b>	<b>178,746</b>
Future Vertical Lift		10,000
Joint tactical aerial resupply vehicle		3,000
Rotary wing development		5,000
<b>32 WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY</b>	<b>84,079</b>	<b>152,079</b>
Program increase		42,000
Gun-launched unmanned aerial system		3,000
High energy laser research		15,000
High energy laser rotorcraft integration		8,000
<b>33 COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY</b>	<b>125,537</b>	<b>155,037</b>
Program increase		1,500
Program increase		5,000
Advanced materials development		10,000
Combat vehicle weight reduction initiative		10,000
HMMWV power management		3,000
<b>34 SPACE APPLICATION ADVANCED TECHNOLOGY</b>	<b>12,231</b>	<b>39,731</b>
Tactical small launch		20,000
Global communications research		7,500
<b>39 COMBATING TERRORISM, TECHNOLOGY DEVELOPMENT</b>	<b>26,903</b>	<b>43,903</b>
Lightweight, low-power radar systems		6,000
Long endurance UAV research		8,000
Open source ISR research		3,000
<b>42 ELECTRONIC WARFARE TECHNOLOGY</b>	<b>31,296</b>	<b>34,296</b>
PACOM multi-domain battle exercise capabilities		3,000
<b>43 MISSILE AND ROCKET ADVANCED TECHNOLOGY</b>	<b>62,850</b>	<b>135,850</b>
Cybersecurity and supply chain risk management		10,000
Program increase		2,000
Program increase		6,000
Program increase		45,000
Land-based anti-ship missile development and integration		10,000
<b>45 HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM</b>	<b>182,331</b>	<b>221,331</b>
Program increase		39,000
<b>46 LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY</b>	<b>17,948</b>	<b>18,948</b>
Explosive hazard detection research		1,000
<b>49 ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS</b>	<b>10,421</b>	<b>29,421</b>
Autonomous transport innovation		5,000
Depleted uranium cleanup		4,000
Rapid safe carbon nanotechnology research		10,000

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R-1	Budget Request	Final Bill
<b>50 MILITARY ENGINEERING ADVANCED TECHNOLOGY</b>	<b>32,448</b>	<b>97,648</b>
Program increase		2,000
Program increase		7,000
Additive manufacturing/3-D printing		2,000
Advanced polymer development		5,000
Bathymetric-topographic LIDAR research		8,000
Demonstration of ultra-high efficiency natural gas technologies		4,000
Emerging natural gas technologies		10,000
Energy efficient window insulation research		5,000
Heavy vehicle simulator research		8,200
Inferential sensing on tactical wheeled vehicles		5,000
Reliable distributed generation in austere environments		3,000
Sensor protection from underground threats		5,000
Resilient energy systems		1,000
<b>53 ARMY MISSILE DEFENSE SYSTEMS INTEGRATION</b>	<b>9,634</b>	<b>23,634</b>
Integrated environmental control and power		14,000
<b>55 AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING</b>	<b>33,949</b>	<b>35,949</b>
Lack of strategy		-13,000
Interoperability of integrated air and missile defense		15,000
<b>57 SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV</b>	<b>7,135</b>	<b>9,205</b>
Program increase - JUON		2,070
<b>58 TANK AND MEDIUM CALIBER AMMUNITION</b>	<b>41,452</b>	<b>41,902</b>
Program increase		8,000
Next generation of expendable countermeasures		2,450
EU1 enhanced lethality cannon munitions funding duplication		-10,000
<b>59 ARMORED SYSTEM MODERNIZATION - ADV DEV</b>	<b>32,739</b>	<b>42,739</b>
Program increase		10,000
<b>60 SOLDIER SUPPORT AND SURVIVABILITY</b>	<b>10,157</b>	<b>13,157</b>
Program increase		3,000
<b>62 NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT</b>	<b>12,347</b>	<b>10,947</b>
Prior year carryover		-1,400
<b>65 AVIATION - ADV DEV</b>	<b>14,055</b>	<b>10,055</b>
Analysis of alternatives delay		-4,000
<b>66 LOGISTICS AND ENGINEER EQUIPMENT - ADV DEV</b>	<b>35,333</b>	<b>30,833</b>
Prior year carryover		-4,500
<b>68 SOLDIER SYSTEMS - ADVANCED DEVELOPMENT</b>	<b>20,239</b>	<b>55,239</b>
Enhanced lightweight body armor		10,000
Enhanced combat helmet		5,000
Next generation squad weapon		20,000
<b>70 ANALYSIS OF ALTERNATIVES</b>	<b>9,921</b>	<b>7,611</b>
Excess cost growth		-2,310

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R-1	Budget Request	Final Bill
71 LOWER TIER AIR MISSILE DEFENSE (LTAMID) SENSOR Contract delay	76,728	59,828 -16,900
72 TECHNOLOGY MATURATION INITIATIVES Multi-mission high energy laser research	115,221	150,221 35,000
75 ASSURED POSITIONING, NAVIGATION AND TIMING Contract delay	164,967	139,967 -25,000
79 ARMY SPACE SYSTEMS INTEGRATION Program increase - JUON	20,432	30,432 10,000
83 MID-TIER NETWORKING VEHICULAR RADIO Program termination for network modernization strategy	10,589	0 -10,589
85 TRACTOR CAGE Classified cyber capabilities	17,252	30,252 13,000
86 INFANTRY SUPPORT WEAPONS Cannon life extension Program increase Squad designated marksman rifle Soldier enhancement program EW4 prior year carryover	87,643	96,492 1,500 6,000 2,949 3,000 -4,600
94 NIGHT VISION SYSTEMS - SDD Develop and qualify thermal weapon sights	108,504	126,004 17,500
95 COMBAT FEEDING, CLOTHING, AND EQUIPMENT Program increase	3,702	8,702 5,000
96 NON-SYSTEM TRAINING DEVICES - SDD Combined arms center threat integrated air defense system	43,575	53,575 10,000
97 AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE -SDD Counter rocket, artillery, and mortar systems All digital radar 30mm programmable proximity-fuzed projectile Program increase - JUON	28,726	191,526 5,000 8,000 12,000 137,800
99 AUTOMATIC TEST EQUIPMENT DEVELOPMENT Historical underexecution	8,344	7,315 -1,029
104 WEAPONS AND MUNITIONS - SDD Develop 40mm low velocity M320 door breaching cartridge	145,232	149,410 4,178
105 LOGISTICS AND ENGINEER EQUIPMENT - SDD Tactical electric power excess growth Improved camouflage net system Engine driven generators schedule delay	90,965	88,633 -2,390 2,000 -1,942

77M

R-1	Budget Request	Final Bill
<b>108 LANDMINE WARFARE/BARRIER - SDD</b>	<b>34,684</b>	<b>25,884</b>
DLBS test funding ahead of need		-1,000
RCIS schedule delay		-7,800
<b>ARMY TACTICAL COMMAND &amp; CONTROL HARDWARE &amp; SOFTWARE</b>		
<b>109 SOFTWARE</b>	<b>164,409</b>	<b>162,909</b>
TNOM funding ahead of need		-4,500
CPI2 funding ahead of need		-10,000
UTR prior year carryover		-12,000
EJ6 protected SATCOM - Army requested transfer from OP,A line 102		25,000
<b>114 SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS -EMD</b>	<b>98,600</b>	<b>92,900</b>
Additional APS funding		25,000
VPS/MAPS funding ahead of need		-3,700
Bradley test funding ahead of need		-20,000
Stryker test funding ahead of need		-7,000
<b>115 ARTILLERY SYSTEMS</b>	<b>1,972</b>	<b>3,972</b>
Integrated tube #3 demonstrator, blast over pressure testing		2,000
<b>116 INFORMATION TECHNOLOGY DEVELOPMENT</b>	<b>81,776</b>	<b>71,283</b>
Program management cost growth		-2,891
Historical underexecution		-7,602
<b>117 INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A)</b>	<b>172,361</b>	<b>189,744</b>
Army requested transfer from line 215		17,383
<b>118 ARMORED MULTI-PURPOSE VEHICLE</b>	<b>199,778</b>	<b>191,778</b>
Excess EMD funding		-8,000
<b>122 TRACTOR TIRE</b>	<b>34,670</b>	<b>113,570</b>
Classified cyber capabilities		78,900
<b>GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM - EXPENDITIONARY (GBOSS-E)</b>		
<b>123 EXPENDITIONARY (GBOSS-E)</b>	<b>5,207</b>	<b>20,869</b>
Program increase - JUON		15,662
<b>125 COMMON INFRARED COUNTERMEASURES (CIRCM)</b>	<b>105,778</b>	<b>79,378</b>
Program of record prior year carryover		-26,400
<b>129 DEFENSIVE CYBER TOOL DEVELOPMENT</b>	<b>55,165</b>	<b>43,165</b>
Prior year carryover		-12,000
<b>130 TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER)</b>	<b>20,076</b>	<b>11,337</b>
Manpack test delay		-8,739
<b>132 MISSILE WARNING SYSTEM MODERNIZATION (MWSM)</b>	<b>55,810</b>	<b>13,000</b>
Funding early to need		-42,810
<b>134 INDIRECT FIRE PROTECTION CAPABILITY INC 2 - BLOCK 1</b>	<b>175,069</b>	<b>162,869</b>
EMD schedule delay		-12,200

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R-1	Budget Request	Final Bill
<b>135 GROUND ROBOTICS</b>	<b>70,760</b>	<b>63,010</b>
Schedule slip		-7,750
<b>137 AMF JOINT TACTICAL RADIO SYSTEM</b>	<b>8,965</b>	<b>18,965</b>
Army requested transfer from OP,A line 102		10,000
<b>138 JOINT AIR-TO-GROUND MISSILE (JAGM)</b>	<b>34,626</b>	<b>29,726</b>
Limited user test delay		-4,900
<b>140 ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)</b>	<b>336,420</b>	<b>351,420</b>
Cybersecurity research		15,000
Rapid integration for emerging threats		25,000
Excess funding due to program restructure		-25,000
<b>143 NATIONAL CAPABILITIES INTEGRATION</b>	<b>6,882</b>	<b>9,382</b>
Program increase		2,500
<b>152 THREAT SIMULATOR DEVELOPMENT</b>	<b>22,862</b>	<b>31,862</b>
Integrated threat force		9,000
<b>154 MAJOR T&amp;E INVESTMENT</b>	<b>102,901</b>	<b>114,901</b>
Cyber virtualization research		12,000
<b>159 ARMY TEST RANGES AND FACILITIES</b>	<b>307,588</b>	<b>317,588</b>
Distributed environment for system-of-system cybersecurity testing		10,000
<b>160 ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS</b>	<b>49,242</b>	<b>59,242</b>
Cybersecurity of space and missile defense assets		10,000
<b>170 TECHNICAL INFORMATION ACTIVITIES</b>	<b>33,934</b>	<b>40,934</b>
Army geospatial mission command		3,000
Program increase		4,000
<b>171 MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY</b>	<b>43,444</b>	<b>72,444</b>
Program increase		5,000
Life cycle pilot process		5,000
Program increase		14,000
Polymer cased small arms ammunition		5,000
<b>182 TRACTOR SMOKE</b>	<b>4,513</b>	<b>12,143</b>
Program increase - JUON		7,630
<b>183 LONG RANGE PRECISION FIRES (LRPF)</b>	<b>102,014</b>	<b>84,014</b>
Cybersecurity software effort early to need		-4,000
TMRR contract delay		-14,000
<b>184 APACHE PRODUCT IMPROVEMENT PROGRAM</b>	<b>59,977</b>	<b>57,877</b>
FOT&E II delay		-2,100

770

R-1	Budget Request	Final Bill
<b>186 CHINOOK HELICOPTER PRODUCT IMPROVEMENT PROGRAM</b>	<b>194,567</b>	<b>161,817</b>
Flight simulator early to need		-11,000
Blk 2 EMD contract delay		-19,250
Program management excess growth		-2,500
<b>188 IMPROVED TURBINE ENGINE PROGRAM</b>	<b>204,304</b>	<b>174,504</b>
Program reduction		-29,800
<b>189 EMERGING TECHNOLOGIES FROM NIE</b>	<b>1,023</b>	<b>26,153</b>
Program increase - Guardrail		680
Program increase - assured PNT		24,450
<b>190 LOGISTICS AUTOMATION</b>	<b>1,504</b>	<b>0</b>
Prior year carryover		-1,504
<b>193 FAMILY OF BIOMETRICS</b>	<b>6,159</b>	<b>3,159</b>
Prior year carryover		-3,000
<b>194 PATRIOT PRODUCT IMPROVEMENT</b>	<b>90,217</b>	<b>79,467</b>
Prior year carryover		-8,750
Program management growth		-2,000
<b>195 AEROSTAT JOINT PROJECT OFFICE</b>	<b>6,749</b>	<b>0</b>
JLENS program shutdown previously funded		-6,749
<b>197 COMBAT VEHICLE IMPROVEMENT PROGRAMS</b>	<b>343,175</b>	<b>321,175</b>
Program increase		3,000
Development of ECP for the M88A2E1		8,000
Abrams ECP1B delay		-10,000
Abrams program support excess growth		-2,000
Bradley ECP2 delay		-5,000
Bradley UBIS contract delay		-1,000
Stryker ECP2 delay		-15,000
<b>203 MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM</b>	<b>2,723</b>	<b>28,723</b>
Stinger product improvement program research		26,000
<b>209 LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM</b>	<b>78,926</b>	<b>72,426</b>
Prior year carryover		-6,500
<b>210 GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS)</b>	<b>102,807</b>	<b>97,807</b>
Prior year carryover		-5,000
<b>213 SECURITY AND INTELLIGENCE ACTIVITIES</b>	<b>13,807</b>	<b>35,652</b>
Cyber capabilities development		21,845

77P

R-1	Budget Request	Final Bill
<b>214 INFORMATION SYSTEMS SECURITY PROGRAM</b>	<b>132,438</b>	<b>112,438</b>
Excess growth		-13,000
Cybersecurity operations center		18,000
Excess embedded crypto modernization funding due to program delay		-25,000
<b>215 GLOBAL COMBAT SUPPORT SYSTEM</b>	<b>64,370</b>	<b>46,987</b>
Army requested transfer to line 117		-17,383
<b>229 WIN-T INCREMENT 2 - INITIAL NETWORKING</b>	<b>4,723</b>	<b>0</b>
Program termination for network modernization strategy		-4,723
<b>230 END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES</b>	<b>60,877</b>	<b>120,677</b>
Additive manufacturing technology insertion		10,000
Additive manufacturing supply chain		10,000
Army inventory management and demand planning software		9,800
Nanoscale materials		15,000
Advanced development of asset protection technologies		10,000
Manufacturing for novel lightweight transparent armor		5,000

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## RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY

The agreement provides \$18,010,754,000 for Research, Development, Test and Evaluation, Navy, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~

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### RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION

The fiscal year 2018 President's budget request contains \$162,000,000 in Research, Development, Test and Evaluation, Navy lines 29, 36, and 78 for several Rapid Prototyping, Experimentation and Demonstration (RPED) projects designated as "Accelerated Acquisitions for the Rapid Development, Demonstration and Fielding of Capability" by the Chief of Naval Operations and the Assistant Secretary of the Navy (Research, Development and Acquisition). Subsequent to the budget submission, the Navy identified additional funding requirements of \$121,000,000 for these projects that have been addressed via below threshold reprogramming authority, above threshold reprogramming authority, and additional funds recommended in this Act.

The Secretary of the Navy and the Chief of Naval Operations are directed to provide timely and complete communication to the House and Senate Defense

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
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RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY		
BASIC RESEARCH		
1	UNIVERSITY RESEARCH INITIATIVES.....	118,130 144,130
2	IN-HOUSE LABORATORY INDEPENDENT RESEARCH.....	19,438 19,438
3	DEFENSE RESEARCH SCIENCES.....	458,333 458,333
	TOTAL, BASIC RESEARCH.....	595,901 621,901
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APPLIED RESEARCH		
4	POWER PROJECTION APPLIED RESEARCH.....	13,553 23,553
5	FORCE PROTECTION APPLIED RESEARCH.....	125,557 187,557
6	MARINE CORPS LANDING FORCE TECHNOLOGY.....	53,936 55,936
7	COMMON PICTURE APPLIED RESEARCH.....	36,450 36,450
8	WARFIGHTER SUSTAINMENT APPLIED RESEARCH.....	48,649 48,649
9	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH.....	79,598 85,598
10	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH.....	42,411 74,911
11	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH.....	6,425 6,425
12	UNDERSEA WARFARE APPLIED RESEARCH.....	56,094 61,094
13	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH.....	156,805 149,836
14	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH.....	32,733 37,233
15	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH....	171,146 164,146
16	SCIENCE AND TECHNOLOGY MANAGEMENT - ONR HEADQUARTERS..	62,722 62,722
	TOTAL, APPLIED RESEARCH.....	886,079 994,110
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ADVANCED TECHNOLOGY DEVELOPMENT		
19	FORCE PROTECTION ADVANCED TECHNOLOGY.....	26,342 54,342
20	ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY.....	9,360 9,360
21	MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION (ATD)..	154,407 165,007
22	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT.....	13,448 13,448
23	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEV.....	231,772 219,837
24	MANUFACTURING TECHNOLOGY PROGRAM.....	57,797 67,797
25	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY.....	4,878 44,378
26	UNDERSEA WARFARE ADVANCED TECHNOLOGY.....	--- 10,000
27	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS.....	64,889 64,889
28	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY....	15,164 15,164

78A



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL	
29	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY.	108,285	152,485
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	686,342	816,707
	DEMONSTRATION & VALIDATION		
30	AIR/OCEAN TACTICAL APPLICATIONS.....	48,365	48,365
31	AVIATION SURVIVABILITY.....	5,566	5,566
33	AIRCRAFT SYSTEMS.....	695	695
34	ASW SYSTEMS DEVELOPMENT.....	7,661	7,661
35	TACTICAL AIRBORNE RECONNAISSANCE.....	3,707	3,707
36	ADVANCED COMBAT SYSTEMS TECHNOLOGY.....	61,381	4,702
36A	RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION..	---	24,050
37	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES.....	154,117	72,147
37A	SURFACE MINE COUNTERMEASURES.....	---	12,900
37B	AIRBORNE LITTORAL MCM.....	---	11,623
38	SURFACE SHIP TORPEDO DEFENSE.....	14,974	24,974
39	CARRIER SYSTEMS DEVELOPMENT.....	9,296	9,296
40	PILOT FISH.....	132,083	112,383
41	RETRACT LARCH.....	15,407	11,826
42	RETRACT JUNIPER.....	122,413	122,413
43	RADIOLOGICAL CONTROL.....	745	745
44	SURFACE ASW.....	1,136	1,136
45	ADVANCED SUBMARINE SYSTEM DEVELOPMENT.....	100,955	94,955
46	SUBMARINE TACTICAL WARFARE SYSTEMS.....	13,834	13,834
47	SHIP CONCEPT ADVANCED DESIGN.....	36,891	24,316
48	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES.....	12,012	23,741
49	ADVANCED NUCLEAR POWER SYSTEMS.....	329,500	329,500
50	ADVANCED SURFACE MACHINERY SYSTEMS.....	29,953	22,864
51	CHALK EAGLE.....	191,610	191,610
52	LITTORAL COMBAT SHIP (LCS).....	40,991	50,991
53	COMBAT SYSTEM INTEGRATION.....	24,674	15,874
54	OHIO REPLACEMENT PROGRAM.....	776,158	801,158
55	LITTORAL COMBAT SHIP (LCS) MISSION MODULES.....	116,871	101,621
56	AUTOMATED TEST AND RE-TEST.....	8,052	25,052

783

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
57	FRIGATE DEVELOPMENT.....	143,450 141,131
58	CONVENTIONAL MUNITIONS.....	8,909 13,909
60	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM.....	1,428 920
61	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT.....	53,367 49,867
63	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT.....	8,212 8,212
64	ENVIRONMENTAL PROTECTION.....	20,214 20,812
65	NAVY ENERGY PROGRAM.....	25,623 39,623
66	FACILITIES IMPROVEMENT.....	2,837 6,837
67	CHALK CORAL.....	245,143 245,143
68	NAVY LOGISTIC PRODUCTIVITY.....	2,995 2,995
69	RETRACT MAPLE.....	306,101 306,101
70	LINK PLUMERIA.....	253,675 387,075
71	RETRACT ELM.....	55,691 55,691
72	LINK EVERGREEN.....	48,982 48,982
74	NATO RESEARCH AND DEVELOPMENT.....	9,099 9,099
75	LAND ATTACK TECHNOLOGY.....	33,568 18,568
76	JOINT NONLETHAL WEAPONS TESTING.....	29,873 24,205
77	JOINT PRECISION APPROACH AND LANDING SYSTEMS.....	106,391 106,391
78	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS.....	107,310 93,817
79	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER.....	83,935 83,935
81	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES.....	46,844 46,844
83	MARINE CORPS ADDITIVE MANUFACTURING TECHNOLOGY DEVELOPMENT.....	6,200 6,200
85	RAPID TECHNOLOGY CAPABILITY PROTOTYPE.....	7,055 17,055
86	LX (R).....	9,578 9,578
87	ADVANCED UNDERSEA PROTOTYPING.....	66,543 66,543
87A	UNMANNED UNDERSEA VEHICLE.....	--- 24,600
89	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM.....	31,315 20,583
90	SPACE & ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINE..	42,851 41,963
91	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT.....	160,694 160,694
93	ASW SYSTEMS DEVELOPMENT - MIP.....	8,278 8,278
94	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM.....	7,979 5,200

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
95 ELECTRONIC WARFARE DEVELOPMENT - MIP.....	527	527
TOTAL, DEMONSTRATION & VALIDATION.....	4,193,714	4,241,083
ENGINEERING & MANUFACTURING DEVELOPMENT		
96 TRAINING SYSTEM AIRCRAFT.....	16,945	16,909
97 OTHER HELO DEVELOPMENT.....	26,786	26,786
98 AV-8B AIRCRAFT - ENG DEV.....	48,780	42,098
99 STANDARDS DEVELOPMENT.....	2,722	2,722
100 MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT.....	5,371	5,371
101 AIR/OCEAN EQUIPMENT ENGINEERING.....	782	5,782
102 P-3 MODERNIZATION PROGRAM.....	1,361	1,361
103 WARFARE SUPPORT SYSTEM.....	14,167	14,167
104 TACTICAL COMMAND SYSTEM.....	55,695	36,923
105 ADVANCED HAWKEYE.....	292,535	295,035
106 H-1 UPGRADES.....	61,288	61,288
107 ACOUSTIC SEARCH SENSORS.....	37,167	37,167
108 V-22A.....	171,386	182,916
109 AIR CREW SYSTEMS DEVELOPMENT.....	13,235	7,577
110 EA-18.....	173,488	141,818
111 ELECTRONIC WARFARE DEVELOPMENT.....	54,055	57,055
112 EXECUTIVE HELO DEVELOPMENT.....	451,938	444,938
113 NEXT GENERATION JAMMER (NGJ).....	632,936	613,936
114 JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY).....	4,310	4,310
115 NEXT GENERATION JAMMER (NGJ) INCREMENT II.....	66,686	56,327
116 SURFACE COMBATANT COMBAT SYSTEM ENGINEERING.....	390,238	351,529
117 LPD-17 CLASS SYSTEMS INTEGRATION.....	689	689
118 SMALL DIAMETER BOMB (SDB).....	112,846	112,846
119 STANDARD MISSILE IMPROVEMENTS.....	158,578	120,378
120 AIRBORNE MCM.....	15,734	15,734
122 NAVAL INTEGRATED FIRE CONTROL-COUNTER AIR SYSTEMS ENG.	25,445	25,445
124 ADVANCED ABOVE WATER SENSORS.....	87,233	87,233
125 SSN-688 AND TRIDENT MODERNIZATION.....	130,981	145,981
126 AIR CONTROL.....	75,186	73,403

78D

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
127 SHIPBOARD AVIATION SYSTEMS.....	177,926	177,926
128 COMBAT INFORMATION CENTER CONVERSION.....	8,062	4,397
129 AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM.....	32,090	32,090
130 NEW DESIGN SSN.....	120,087	120,087
131 SUBMARINE TACTICAL WARFARE SYSTEM.....	50,850	46,303
132 SHIP CONTRACT DESIGN/LIVE FIRE T&E.....	67,166	67,634
133 NAVY TACTICAL COMPUTER RESOURCES.....	4,817	4,817
134 VIRGINIA PAYLOAD MODULE (VPM).....	72,861	72,861
135 MINE DEVELOPMENT.....	25,635	25,635
136 LIGHTWEIGHT TORPEDO DEVELOPMENT.....	28,076	21,057
137 JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT.....	7,561	7,561
138 PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS....	40,828	24,728
139 JOINT STANDOFF WEAPON SYSTEMS.....	435	435
140 SHIP SELF DEFENSE (DETECT & CONTROL).....	161,713	164,713
141 SHIP SELF DEFENSE (ENGAGE: HARD KILL).....	212,412	222,412
142 SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW).....	103,391	98,391
143 INTELLIGENCE ENGINEERING.....	34,855	44,855
144 MEDICAL DEVELOPMENT.....	9,353	37,353
145 NAVIGATION/ID SYSTEM.....	92,546	78,096
146 JOINT STRIKE FIGHTER (JSF) - EMD.....	152,934	152,934
147 JOINT STRIKE FIGHTER (JSF).....	108,931	108,931
148 JSF FOLLOW ON DEVELOPMENT-MARINE CORPS.....	144,958	144,958
149 JSF FOLLOW ON DEVELOPMENT-NAVY.....	143,855	143,855
150 INFORMATION TECHNOLOGY DEVELOPMENT.....	14,865	14,865
151 INFORMATION TECHNOLOGY DEVELOPMENT.....	152,977	124,706
152 ANTI-TAMPER TECHNOLOGY SUPPORT.....	3,410	3,410
153 CH-53K.....	340,758	340,758
154 MISSION PLANNING.....	33,430	36,930
155 COMMON AVIONICS.....	58,163	48,861
156 SHIP TO SHORE CONNECTOR (SSC).....	22,410	32,410
157 T-AO (X).....	1,961	1,961
158 UNMANNED CARRIER AVIATION.....	222,208	199,218

78E

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
159	JOINT AIR-TO-GROUND MISSILE (JAGM).....	15,473 14,873
160	MULTI-MISSION MARITIME AIRCRAFT (MMA).....	11,795 11,795
161	MULTI-MISSION MARITIME AIRCRAFT (MMA) INCREMENT 3.....	181,731 126,731
162	MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT AND DEMO.....	178,993 157,993
163	JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVELOPMENT AND DEMO.....	20,710 20,710
164	DDG-1000.....	140,500 140,500
168	TACTICAL CRYPTOLOGIC SYSTEMS.....	28,311 22,769
170	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT.....	4,502 3,077
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	6,362,102 6,091,320
	RDT&E MANAGEMENT SUPPORT	
171	THREAT SIMULATOR DEVELOPMENT.....	91,819 91,819
172	TARGET SYSTEMS DEVELOPMENT.....	23,053 23,053
173	MAJOR T&E INVESTMENT.....	52,634 69,634
174	JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION....	141 141
175	STUDIES AND ANALYSIS SUPPORT - NAVY.....	3,917 3,917
176	CENTER FOR NAVAL ANALYSES.....	50,432 50,432
179	TECHNICAL INFORMATION SERVICES.....	782 782
180	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT.....	94,562 139,562
181	STRATEGIC TECHNICAL SUPPORT.....	4,313 4,313
182	RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT.....	1,104 1,104
183	RDT&E SHIP AND AIRCRAFT SUPPORT.....	105,666 105,666
184	TEST AND EVALUATION SUPPORT.....	373,667 370,177
185	OPERATIONAL TEST AND EVALUATION CAPABILITY.....	20,298 20,298
186	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT.....	17,341 17,341
188	MARINE CORPS PROGRAM WIDE SUPPORT.....	21,751 21,751
189	MANAGEMENT HEADQUARTERS - R&D.....	44,279 44,279
190	WARFARE INNOVATION MANAGEMENT.....	28,841 28,841
191	MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES).....	1,749 1,749
194	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT.....	9,408 9,408
	TOTAL, RDT&E MANAGEMENT SUPPORT.....	945,757 1,004,267

78F

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
196	OPERATIONAL SYSTEMS DEVELOPMENT COOPERATIVE ENGAGEMENT CAPABILITY (CEC).....	92,571 98,471
197	DEPLOYABLE JOINT COMMAND AND CONTROL.....	3,137 3,137
198	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT.....	135,219 132,522
199	SSBN SECURITY TECHNOLOGY PROGRAM.....	36,242 36,242
200	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT.....	12,053 12,053
201	NAVY STRATEGIC COMMUNICATIONS.....	18,221 18,221
203	F/A-18 SQUADRONS.....	224,470 137,570
203A	IRST BLOCK II.....	--- 70,900
204	FLEET TACTICAL DEVELOPMENT.....	33,525 8,525
205	SURFACE SUPPORT.....	24,829 22,082
206	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)...	133,617 101,872
207	INTEGRATED SURVEILLANCE SYSTEM.....	38,972 38,972
208	AMPHIBIOUS TACTICAL SUPPORT UNITS.....	3,940 1,961
209	GROUND/AIR TASK ORIENTED RADAR.....	54,645 54,645
210	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT.....	66,518 66,518
211	CRYPTOLOGIC DIRECT SUPPORT.....	1,155 1,155
212	ELECTRONIC WARFARE (EW) READINESS SUPPORT.....	51,040 51,040
213	HARM IMPROVEMENT.....	87,989 80,069
214	TACTICAL DATA LINKS.....	89,852 79,852
215	SURFACE ASW COMBAT SYSTEM INTEGRATION.....	29,351 29,351
216	MK-48 ADCAP.....	68,553 49,053
217	AVIATION IMPROVEMENTS.....	119,099 124,099
218	OPERATIONAL NUCLEAR POWER SYSTEMS.....	127,445 127,445
219	MARINE CORPS COMMUNICATIONS SYSTEMS.....	123,825 172,547
220	COMMON AVIATION COMMAND AND CONTROL SYSTEM.....	7,343 7,343
221	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS....	66,009 66,009
222	MARINE CORPS COMBAT SERVICES SUPPORT.....	25,258 25,258
223	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP)....	30,886 30,886
224	AMPHIBIOUS ASSAULT VEHICLE.....	58,728 54,683
225	TACTICAL AIM MISSILES.....	42,884 36,964
226	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM).....	25,364 25,364

786

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
232 CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES.....	24,271	24,271
233 INFORMATION SYSTEMS SECURITY PROGRAM.....	50,269	50,269
236 JOINT MILITARY INTELLIGENCE PROGRAMS.....	6,352	6,352
237 TACTICAL UNMANNED AERIAL VEHICLES.....	7,770	7,770
238 UAS INTEGRATION AND INTEROPERABILITY.....	39,736	21,936
239 DISTRIBUTED COMMON GROUND SYSTEMS/SURFACE SYSTEMS.....	12,867	12,867
240 DISTRIBUTED COMMON GROUND SYSTEMS/SURFACE SYSTEMS.....	46,150	40,150
241 MQ-4C TRITON.....	84,115	84,115
242 MQ-8 UAV.....	62,656	62,656
243 RQ-11 UAV.....	2,022	2,022
245 SMALL (LEVEL 0) TACTICAL UAS (STUASLO).....	4,835	4,835
246 RQ-21A.....	8,899	10,649
247 MULTI-INTELLIGENCE SENSOR DEVELOPMENT.....	99,020	93,020
248 UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP).....	18,578	18,578
249 RQ-4 MODERNIZATION.....	229,404	224,504
250 MODELING AND SIMULATION SUPPORT.....	5,238	5,238
251 DEPOT MAINTENANCE (NON-IF).....	38,227	38,227
252 MARITIME TECHNOLOGY (MARITECH).....	4,808	4,808
253 SATELLITE COMMUNICATIONS (SPACE).....	37,836	41,442
254 DIGITAL WARFARE OFFICE.....	---	15,001
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	2,615,793	2,533,519
9999 CLASSIFIED PROGRAMS.....	1,364,347	1,707,847
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY.....	17,650,035	18,010,754

78H

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

R-1	Budget Request	Final Bill
<b>1 UNIVERSITY RESEARCH INITIATIVES</b>	<b>118,130</b>	<b>144,130</b>
Program increase - defense university research instrumentation program		10,000
Program increase - radar technology		6,000
Program increase		10,000
<b>4 POWER PROJECTION APPLIED RESEARCH</b>	<b>13,553</b>	<b>23,553</b>
Program increase - high performance microwave for counter-IED research		5,000
Program increase - adaptive optics		5,000
<b>5 FORCE PROTECTION APPLIED RESEARCH</b>	<b>125,557</b>	<b>187,557</b>
Program increase - battery storage and safety		5,000
Program increase		25,000
Program increase - alternative energy research		25,000
Program increase - hybrid composite structures research for enhanced mobility		5,000
Program increase - standoff detection of buried hazards		2,000
<b>6 MARINE CORPS LANDING FORCE TECHNOLOGY</b>	<b>53,936</b>	<b>55,936</b>
Program increase		2,000
<b>9 ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH</b>	<b>79,598</b>	<b>85,598</b>
Program increase		6,000
<b>10 OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH</b>	<b>42,411</b>	<b>74,911</b>
Program increase - AGOR service life extension program		20,000
Program increase - naval special warfare maritime science and technology		5,000
Program increase		7,500
<b>12 UNDERSEA WARFARE APPLIED RESEARCH</b>	<b>56,094</b>	<b>61,094</b>
Program increase		5,000
<b>13 FUTURE NAVAL CAPABILITIES APPLIED RESEARCH</b>	<b>156,805</b>	<b>149,836</b>
Capable manpower project delay		-1,626
Sea shield previously funded efforts		-5,343
<b>14 MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH</b>	<b>32,733</b>	<b>37,233</b>
Program increase		2,000
Program increase - submersible research		2,500
<b>15 INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH</b>	<b>171,146</b>	<b>164,146</b>
Cyber excess growth		-7,000
<b>19 FORCE PROTECTION ADVANCED TECHNOLOGY</b>	<b>26,342</b>	<b>54,342</b>
Program increase - Navy autonomous swarmboats		28,000

(781)



R-1	Budget Request	Final Bill
<b>21 MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION</b>	<b>154,407</b>	<b>165,007</b>
Logistics previously funded efforts		-1,900
Program increase		12,500
<b>23 FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEV</b>	<b>231,772</b>	<b>219,837</b>
Capable manpower project delay		-1,600
Power and energy previously funded efforts		-3,000
Sea shield previously funded efforts		-3,225
Sea strike previously funded efforts		-4,110
<b>24 MANUFACTURING TECHNOLOGY PROGRAM</b>	<b>57,797</b>	<b>67,797</b>
Program increase		10,000
<b>25 WARFIGHTER PROTECTION ADVANCED TECHNOLOGY</b>	<b>4,878</b>	<b>44,378</b>
Program increase - bone marrow registry program		31,500
Program increase - novel therapeutic interventions research		8,000
<b>26 UNDERSEA WARFARE ADVANCED TECHNOLOGY</b>	<b>0</b>	<b>10,000</b>
Program increase - unmanned underwater vehicle research		10,000
<b>29 INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY</b>	<b>108,285</b>	<b>152,485</b>
Program increase		24,000
Program increase - solid state laser technology maturation		8,200
Program increase - ruggedized high energy laser		12,000
<b>36 ADVANCED COMBAT SYSTEMS TECHNOLOGY</b>	<b>61,381</b>	<b>4,702</b>
Rapid prototype development excess growth		-5,876
Unmanned rapid prototype development excess growth		-15,361
Expeditionary SURTASS - transfer to line 36A		-20,000
Projects 3423 and 3424 insufficient budget justification		-11,475
Project 3422 - poor budget justification		-3,967
<b>36A RAPID PROTOTYPING, EXPERIMENTATION, AND DEMONSTRATION</b>	<b>0</b>	<b>24,050</b>
Expeditionary SURTASS - transfer from line 36		20,000
Program increase - expeditionary SURTASS		4,050
<b>37 SURFACE AND SHALLOW WATER MINE COUNTERMEASURES</b>	<b>154,117</b>	<b>72,147</b>
MCM USV with AQS-20 product development delayed new start		-6,700
MCM USV with AQS-20 support delayed new start		-1,300
Knifefish support excess growth		-2,260
Program increase - unmanned influence sweep system		13,000
Projects 0530, 1235, and 1233 - transfer to line 37A		-12,900
Project 2131 - transfer to line 37B		-11,623
LDUUV - transfer to line 87A		-60,187

785

R-1	Budget Request	Final Bill
<b>37A SURFACE MINE COUNTERMEASURES</b>	0	12,900
Projects 0530, 1235, and 1233 - transfer from line 37		12,900
<b>37B AIRBORNE LITTORAL MCM</b>	0	11,623
Project 2131 - transfer from line 37		11,623
<b>38 SURFACE SHIP TORPEDO DEFENSE</b>	14,974	24,974
Program increase		10,000
<b>40 PILOT FISH</b>	132,083	112,383
Unclear budget justification		-19,700
<b>41 RETRACT LARCH</b>	15,407	11,826
Insufficient budget justification		-3,581
<b>45 ADVANCED SUBMARINE SYSTEM DEVELOPMENT</b>	100,955	94,955
Program increase - littoral water threats		5,000
Project 2096 program adjustment		-11,000
<b>47 SHIP CONCEPT ADVANCED DESIGN</b>	36,891	24,316
Strategic sealift research and development - transfer from NDSF		6,425
Future surface combatant studies early to need		-19,000
<b>48 SHIP PRELIMINARY DESIGN &amp; FEASIBILITY STUDIES</b>	12,012	23,741
Naval operational logistics integration - transfer from NDSF		11,729
<b>50 ADVANCED SURFACE MACHINERY SYSTEMS</b>	29,953	22,864
Cybersecurity boundary defense capability delayed new start		-7,089
<b>52 LITTORAL COMBAT SHIP (LCS)</b>	40,991	50,991
Program increase - LCS training courseware		10,000
<b>53 COMBAT SYSTEM INTEGRATION</b>	24,674	15,874
Digital warfare office - transfer to line 254		-4,400
Program termination - existing processes replaced by digital warfare office		-4,400
<b>54 OHIO REPLACEMENT PROGRAM</b>	776,158	801,158
Program increase - advanced materials propeller program		25,000
<b>55 LITTORAL COMBAT SHIP (LCS) MISSION MODULES</b>	116,871	101,621
Anti-submarine warfare mission package excess growth and program delays		-15,250
<b>56 AUTOMATED TEST AND RE-TEST</b>	8,052	25,052
Program increase		17,000
<b>57 FRIGATE DEVELOPMENT</b>	143,450	141,131
Program management support excess growth		-2,319

782

R-1		Budget Request	Final Bill
58	<b>CONVENTIONAL MUNITIONS</b>	8,909	13,909
	Program increase - energetics technology research		5,000
60	<b>MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM</b>	1,428	920
	Saber battery replacement previously funded efforts		-508
61	<b>JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT</b>	53,367	49,867
	Mk18 Mod2 contract award delay		-3,500
64	<b>ENVIRONMENTAL PROTECTION</b>	20,214	20,812
	Program increase		598
65	<b>NAVY ENERGY PROGRAM</b>	25,623	39,623
	Program increase - natural gas technologies		4,000
	Program increase - renewable energy technologies		10,000
66	<b>FACILITIES IMPROVEMENT</b>	2,837	6,837
	Program increase		4,000
70	<b>LINK PLUMERIA</b>	253,675	387,075
	Program adjustments		133,400
75	<b>LAND ATTACK TECHNOLOGY</b>	33,568	18,568
	AGS projectile unjustified request		-15,000
76	<b>JOINT NONLETHAL WEAPONS TESTING</b>	29,873	24,205
	Counter-materiel advanced component development and prototypes delays		-5,668
78	<b>DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS</b>	107,310	93,817
	SNLWS government and support engineering services test and evaluation early to need		-1,493
	Solid state laser lower power module development excess growth		-4,000
	SNLWS limit material/long lead items to single system only		-14,000
	Program increase - high energy storage modules		6,000
85	<b>RAPID TECHNOLOGY CAPABILITY PROTOTYPE</b>	7,055	17,055
	Program increase - increase rapid acquisition capability for Marine Corps Warfighting Lab		10,000
87A	<b>UNMANNED UNDERSEA VEHICLE</b>	0	24,600
	LDUUV - transfer from line 37		60,187
	LDUUV UUV program concurrency		-35,587
89	<b>PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM</b>	31,315	20,583
	Miniature air launched decoy long lead material early to need		-2,132
	Project 3378 - only to complete analysis of alternatives		-8,600
	<b>SPACE &amp; ELECTRONIC WARFARE (SEW)</b>		
90	<b>ARCHITECTURE/ENGINE</b>	42,851	41,963
	ISR architecture delayed new start		-888

78L

R-1		Budget Request	Final Bill
94	<b>ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM</b> Only for analysis of alternatives and material studies	7,979	5,200 -2,779
96	<b>TRAINING SYSTEM AIRCRAFT</b> T-45 required avionics sustainment program schedule delay Program increase - T-45 and F/A-18 physiological episodes funding	16,945	16,909 -1,636 1,600
98	<b>AV-8B AIRCRAFT - ENG DEV</b> OPF and avionics weapons systems development and integration unjustified growth AIM 120C final fit lack of full funding	48,780	42,098 -3,582 -3,100
101	<b>AIR/OCEAN EQUIPMENT ENGINEERING</b> Program increase - unmanned systems in maritime environment	782	5,782 5,000
104	<b>TACTICAL COMMAND SYSTEM</b> Naval operational maintenance enterprise early to need Naval administration and personnel system early to need Maritime tactical command and control schedule delays Digital warfare office - transfer to line 254 Program termination - existing processes replaced by digital warfare office	55,695	36,923 -1,500 -1,000 -4,372 -5,950 -5,950
105	<b>ADVANCED HAWKEYE</b> Delayed new start efforts Program increase - radar enhancements	292,535	295,035 -7,500 10,000
108	<b>V-22A</b> Hardware development airframe previously funded Program increase - MV-22 CC-RAM nacelle improvements	171,386	182,916 -3,470 15,000
109	<b>AIR CREW SYSTEMS DEVELOPMENT</b> Program delays Program increase - T-45 and F/A-18 physiological episodes funding	13,235	7,577 -6,618 960
110	<b>EA-18</b> System configuration set development and integration excess growth ICP 3 unjustified growth	173,488	141,818 -15,851 -15,819
111	<b>ELECTRONIC WARFARE DEVELOPMENT</b> Program increase - Intrepid Tiger II (V)3 UH-1Y jettison capability	54,055	57,055 3,000
112	<b>EXECUTIVE HELO DEVELOPMENT</b> Product development previously funded	451,938	444,938 -7,000
113	<b>NEXT GENERATION JAMMER (NGJ)</b> Hardware development previously funded Integration delays	632,936	613,936 -4,000 -15,000

78M

R-1	Budget Request	Final Bill
<b>115 NEXT GENERATION JAMMER (NGJ) INCREMENT II</b>	<b>66,686</b>	<b>56,327</b>
Test and evaluation early to need		-7,274
Aircraft integration early to need		-3,085
<b>116 SURFACE COMBATANT COMBAT SYSTEM ENGINEERING</b>	<b>390,238</b>	<b>351,529</b>
Aegis - fix mode 4/accelerate 5 concurrent efforts		-9,376
FTIIP unjustified growth		-11,000
ACB 20 unjustified growth		-10,000
5.3x upgrade unjustified growth		-8,333
<b>119 STANDARD MISSILE IMPROVEMENTS</b>	<b>158,578</b>	<b>120,378</b>
Future capability demonstration excess growth		-13,200
SM-2 improvements ECP program adjustment due to cost		-25,000
<b>125 SSN-688 AND TRIDENT MODERNIZATION</b>	<b>130,981</b>	<b>145,981</b>
Sub tactical communication system unclear justification		-5,000
Program increase		20,000
<b>126 AIR CONTROL</b>	<b>75,186</b>	<b>73,403</b>
AN/SPN-35 Block I upgrade delayed new start		-1,783
<b>128 COMBAT INFORMATION CENTER CONVERSION</b>	<b>8,062</b>	<b>4,397</b>
USW-DSS capability improvements delayed new start		-3,665
<b>131 SUBMARINE TACTICAL WARFARE SYSTEM</b>	<b>50,850</b>	<b>46,303</b>
AN/BYG-1 TI-14 delayed new start		-3,047
Unmanned aerial system delayed new start		-1,500
<b>132 SHIP CONTRACT DESIGN/LIVE FIRE T&amp;E</b>	<b>67,166</b>	<b>67,634</b>
Maritime prepositioning force (future) - transfer from NDSF		468
<b>136 LIGHTWEIGHT TORPEDO DEVELOPMENT</b>	<b>28,076</b>	<b>21,057</b>
Program delays		-7,019
<b>138 PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS</b>	<b>40,828</b>	<b>24,728</b>
MPTE - fund ADE strategy, architecture, design efforts and MPTE core field test only		-16,100
<b>140 SHIP SELF DEFENSE (DETECT &amp; CONTROL)</b>	<b>161,713</b>	<b>164,713</b>
Program increase - C2 systems for amphibs - integrating CAC2S with SSDS		3,000
<b>141 SHIP SELF DEFENSE (ENGAGE: HARD KILL)</b>	<b>212,412</b>	<b>222,412</b>
Program increase - Alamo munition system		10,000
<b>142 SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)</b>	<b>103,391</b>	<b>98,391</b>
Decoy development effort schedule slip		-5,000
<b>143 INTELLIGENCE ENGINEERING</b>	<b>34,855</b>	<b>44,855</b>
Program increase - maritime port security technology integration		10,000

78N

R-1	Budget Request	Final Bill
<b>144 MEDICAL DEVELOPMENT</b>	<b>9,353</b>	<b>37,353</b>
Program increase - wound care research		10,000
Program increase - military dental research		10,000
Program increase - hypoxia research		5,000
Program increase - aircrew mounted physiological sensors		3,000
<b>145 NAVIGATION/ID SYSTEM</b>	<b>92,546</b>	<b>78,096</b>
GPS modernization delayed new start and excess growth		-14,450
<b>151 INFORMATION TECHNOLOGY DEVELOPMENT</b>	<b>152,977</b>	<b>124,706</b>
Contract writing system previously funded		-3,000
NAVSEA IT excess growth		-8,900
Navy manpower requirements system delayed new start		-1,971
Program increase - enterprise condition based maintenance		4,500
MPTE ADE prototype concurrency		-9,800
MPTE core integration concurrency		-15,000
NMMES -TR acceleration concurrency with NMMES upgrades to support clean financial audit		-4,100
Program increase - enterprise lifecycle management analytics for affordability		10,000
<b>154 MISSION PLANNING</b>	<b>33,430</b>	<b>36,930</b>
Program increase - planning and execution monitoring		3,500
<b>155 COMMON AVIONICS</b>	<b>58,163</b>	<b>48,861</b>
Digital warfare office - transfer to line 254		-4,651
Program termination - existing processes replaced by digital warfare office		-4,651
<b>156 SHIP TO SHORE CONNECTOR (SSC)</b>	<b>22,410</b>	<b>32,410</b>
Program increase - composites research		10,000
<b>158 UNMANNED CARRIER AVIATION</b>	<b>222,208</b>	<b>199,218</b>
CVN segment product development ship installations early to need		-6,790
Training hardware early to need		-3,000
Control segment and connectivity unjustified growth		-13,200
<b>159 JOINT AIR-TO-GROUND MISSILE (JAGM)</b>	<b>15,473</b>	<b>14,873</b>
Unjustified studies		-600
<b>161 MULTI-MISSION MARITIME AIRCRAFT (MMA) INCREMENT 3</b>	<b>181,731</b>	<b>126,731</b>
Platform integration early to need and Increment III content growth		-55,000
<b>MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT</b>		
<b>162 AND DEMO</b>	<b>178,993</b>	<b>157,993</b>
Corrective action modifications		-21,000
<b>168 TACTICAL CRYPTOLOGIC SYSTEMS</b>	<b>28,311</b>	<b>22,769</b>
Integrated communications and data systems increment II delayed new start		-5,542

780

R-1	Budget Request	Final Bill
<b>170 CYBER OPERATIONS TECHNOLOGY DEVELOPMENT</b>	<b>4,502</b>	<b>3,077</b>
Cyber tool development delayed new start		-1,425
<b>173 MAJOR T&amp;E INVESTMENT</b>	<b>52,634</b>	<b>69,634</b>
Program increase		4,000
Program increase - Navy unfunded requirement for critical infrastructure investments for major range and test facilities		7,000
Program increase - Navy unfunded requirement for critical infrastructure investments for major range and test facilities		6,000
<b>180 MANAGEMENT, TECHNICAL &amp; INTERNATIONAL SUPPORT</b>	<b>94,562</b>	<b>139,562</b>
Program increase - printed circuit board		15,000
Program increase - Navy Research Lab infrastructure upgrades		30,000
<b>184 TEST AND EVALUATION SUPPORT</b>	<b>373,667</b>	<b>370,177</b>
Marine vessels delayed new start		-3,490
<b>196 COOPERATIVE ENGAGEMENT CAPABILITY (CEC)</b>	<b>92,571</b>	<b>98,471</b>
System improvements previously funded		-5,100
Program increase - CEC identification friend or foe Mode 5 acceleration		11,000
<b>198 STRATEGIC SUB &amp; WEAPONS SYSTEM SUPPORT</b>	<b>135,219</b>	<b>132,522</b>
Technical applications delayed new start		-9,697
Program increase		7,000
<b>203 F/A-18 SQUADRONS</b>	<b>224,470</b>	<b>137,570</b>
IRST Block II development - transfer to line 203A		-86,900
<b>203A IRST Block II</b>	<b>0</b>	<b>70,900</b>
IRST Block II development - transfer from line 203		86,900
Infrared search and track contract award delay		-16,000
<b>204 FLEET TACTICAL DEVELOPMENT</b>	<b>33,525</b>	<b>8,525</b>
High frequency over-the-horizon robust enterprise concurrent efforts		-25,000
<b>205 SURFACE SUPPORT</b>	<b>24,829</b>	<b>22,082</b>
Cybersecurity efforts previously funded		-2,747
<b>TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER</b>		
<b>206 (TMPC)</b>	<b>133,617</b>	<b>101,872</b>
Maritime strike excess growth		-8,745
JMEWS ECP product development lack of cost data		-5,000
M-Code ECP product development lack of cost data		-18,000
<b>208 AMPHIBIOUS TACTICAL SUPPORT UNITS</b>	<b>3,940</b>	<b>1,961</b>
LARC-V replacement new start delay		-1,979
<b>213 HARM IMPROVEMENT</b>	<b>87,989</b>	<b>80,069</b>
AARGM ER schedule delays		-7,920
<b>214 TACTICAL DATA LINKS</b>	<b>89,852</b>	<b>79,852</b>
MIDS increment 2 concurrent efforts		-10,000

(78P)

R-1	Budget Request	Final Bill
<b>216 MK-48 ADCAP</b>	<b>68,553</b>	<b>49,053</b>
TI-1 contract award delay		-19,500
<b>217 AVIATION IMPROVEMENTS</b>	<b>119,099</b>	<b>124,099</b>
Program increase		5,000
<b>219 MARINE CORPS COMMUNICATIONS SYSTEMS</b>	<b>123,825</b>	<b>172,547</b>
Project 2270 product development unjustified growth		-2,213
AFATDS software development and integration previously funded		-1,085
NOTM product development previously funded		-1,785
Program increase - radar system sustainment		13,000
Program increase - FOB protection - counter-UAS		40,805
<b>224 AMPHIBIOUS ASSAULT VEHICLE</b>	<b>58,728</b>	<b>54,683</b>
Test delays		-4,045
<b>225 TACTICAL AIM MISSILES</b>	<b>42,884</b>	<b>36,964</b>
Test delays		-1,920
System improvement program delays		-4,000
<b>238 UAS INTEGRATION AND INTEROPERABILITY</b>	<b>39,736</b>	<b>21,936</b>
Increment II excess growth		-3,681
Lack of transition plans from unmanned aerial vehicle control system software development programs		-14,119
<b>DISTRIBUTED COMMON GROUND SYSTEMS/SURFACE</b>		
<b>240 SYSTEMS</b>	<b>46,150</b>	<b>40,150</b>
Increment 2 delays		-6,000
<b>246 RQ-21A</b>	<b>8,899</b>	<b>10,649</b>
Program increase - spectral and reconnaissance imagery for tactical exploitation		1,750
<b>247 MULTI-INTELLIGENCE SENSOR DEVELOPMENT</b>	<b>99,020</b>	<b>93,020</b>
Project 3383 concurrent efforts		-6,000
<b>249 RQ-4 MODERNIZATION</b>	<b>229,404</b>	<b>224,504</b>
Program risk and concurrency		-4,900
<b>253 SATELLITE COMMUNICATIONS (SPACE)</b>	<b>37,836</b>	<b>41,442</b>
Enterprise SATCOM gateway modems delayed new start		-1,394
Program increase - NMT development		5,000
<b>254 DIGITAL WARFARE OFFICE</b>	<b>0</b>	<b>15,001</b>
Transfer from line 53		4,400
Transfer from line 104		5,950
Transfer from line 155		4,651
<b>999 CLASSIFIED PROGRAMS</b>	<b>1,364,347</b>	<b>1,707,847</b>
Classified adjustment		343,500

780



Appropriations Subcommittees regarding RPED projects, to include cost, schedule, progress against previously identified objectives, and transition plans. Several factors will be considered when reviewing each project: requirements, technology and manufacturing readiness, cost, schedule, performance, test results, and transition plans. Funding recommendations will then be adjusted accordingly. Further, there are concerns that projects are being selected without a full understanding of the technological complexity to achieve desired capabilities. Therefore, the Chief of Naval Operations and the Assistant Secretary of the Navy (Research, Development and Acquisition) are directed to consult with the Director, Operational Test and Evaluation regarding accelerated modeling, simulation, and testing required to achieve and demonstrate defined capabilities prior to the selection of an RPED project, to establish an agreed-upon test plan and to identify full funding requirements.

#### COSTS OF ENGINEERING CHANGE PROPOSALS FOR MISSILE PROGRAMS

The fiscal year 2018 President's budget request includes no less than \$101,000,000 for five development efforts the Navy plans to incorporate into Tomahawk missiles through a series of engineering change proposals during the missiles' recertification process. The development of these modernization initiatives is budgeted at close to \$900,000,000 over the next five years, and incorporating these efforts into production will significantly increase the unit cost of the Tomahawk missile.

While recognizing the need to modernize weapons systems through incremental upgrades, there is concern that the Navy historically has failed to recognize and budget for the full cost of developing and procuring missile upgrades through engineering change proposals upfront. As a result, when previously funded engineering change proposals transitioned from development to production, the Navy has had to reduce

planned procurement quantities due to higher than budgeted cost. This has resulted in reduced capacity in at least two other families of missiles. The Assistant Secretary of the Navy (Research, Development and Acquisition) is directed to provide a report to the congressional defense committees not later than 60 days after the enactment of this Act after conducting a review of the Navy's acquisition practices for engineering change proposals in all its missile programs, to include cost estimating, and to explore measures on how to inject competition into modernization efforts in sole source acquisitions.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE

The agreement provides \$37,428,078,000 for Research, Development, Test and Evaluation, Air Force, as follows:

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~~(INSERT PROJECT LEVEL TABLE)~~

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CIVILIAN PERSONNEL

The agreement supports the Air Force proposal to transfer civilian personnel costs of the acquisition workforce from the Operation and Maintenance, Air Force account to the Research, Development, Test and Evaluation, Air Force account. To ensure visibility and appropriate execution, the Secretary of the Air Force is directed to submit an annual report on all civilian personnel (not limited to the acquisition workforce) related funding in the Research, Development, Test and Evaluation, Air Force account by program element. The report shall include the budgeted number of civilian full time equivalents (FTEs) and the related funding programmed in the current fiscal year and annually for the

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
RESEARCH, DEVELOPMENT, TEST & EVAL, AIR FORCE		
BASIC RESEARCH		
1	DEFENSE RESEARCH SCIENCES.....	342,919 342,919
2	UNIVERSITY RESEARCH INITIATIVES.....	147,923 162,923
3	HIGH ENERGY LASER RESEARCH INITIATIVES.....	14,417 14,417
	TOTAL, BASIC RESEARCH.....	505,259 520,259
APPLIED RESEARCH		
4	MATERIALS.....	124,264 149,264
5	AEROSPACE VEHICLE TECHNOLOGIES.....	124,678 155,678
6	HUMAN EFFECTIVENESS APPLIED RESEARCH.....	108,784 133,284
7	AEROSPACE PROPULSION.....	192,695 197,695
8	AEROSPACE SENSORS.....	152,782 159,282
9	SCIENCE AND TECHNOLOGY MANAGEMENT - MAJOR HEADQUARTERS	8,353 8,353
10	SPACE TECHNOLOGY.....	116,503 148,603
11	CONVENTIONAL MUNITIONS.....	112,195 112,195
12	DIRECTED ENERGY TECHNOLOGY.....	132,993 132,993
13	DOMINANT INFORMATION SCIENCES AND METHODS.....	167,818 194,318
14	HIGH ENERGY LASER RESEARCH.....	43,049 43,049
	TOTAL, APPLIED RESEARCH.....	1,284,114 1,434,714
ADVANCED TECHNOLOGY DEVELOPMENT		
15	ADVANCED MATERIALS FOR WEAPON SYSTEMS.....	37,856 37,856
16	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T).....	22,811 22,811
17	ADVANCED AEROSPACE SENSORS.....	40,978 47,978
18	AEROSPACE TECHNOLOGY DEV/DEMO.....	115,966 115,966
19	AEROSPACE PROPULSION AND POWER TECHNOLOGY.....	104,499 122,999
20	ELECTRONIC COMBAT TECHNOLOGY.....	60,551 60,551
21	ADVANCED SPACECRAFT TECHNOLOGY.....	58,910 89,910
22	MAUI SPACE SURVEILLANCE SYSTEM (MSSS).....	10,433 10,433
23	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT...	33,635 33,635

81A

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
24	CONVENTIONAL WEAPONS TECHNOLOGY.....	167,415 167,415
25	ADVANCED WEAPONS TECHNOLOGY.....	45,502 45,502
26	MANUFACTURING TECHNOLOGY PROGRAM.....	46,450 65,050
27	BATTLESPACE KNOWLEDGE DEVELOPMENT & DEMONSTRATION.....	49,011 49,011
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	794,017 869,117
28	ADVANCED COMPONENT DEVELOPMENT INTELLIGENCE ADVANCED DEVELOPMENT.....	5,652 7,652
30	COMBAT IDENTIFICATION TECHNOLOGY.....	24,397 24,397
31	NATO RESEARCH AND DEVELOPMENT.....	3,851 3,851
33	INTERCONTINENTAL BALLISTIC MISSILE.....	10,736 30,736
34	POLLUTION PREVENTION (DEM/VAL).....	2 2
35	LONG RANGE STRIKE.....	2,003,580 1,983,580
36	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT.....	65,458 65,458
37	ADVANCED TECHNOLOGY AND SENSORS.....	68,719 78,349
38	NATIONAL AIRBORNE OPS CENTER (NAOC) RECAP.....	7,850 6,350
39	TECHNOLOGY TRANSFER.....	3,295 18,295
40	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM.....	17,365 14,065
41	CYBER RESILIENCY OF WEAPON SYSTEMS-ACS.....	32,253 42,453
44	DEPLOYMENT AND DISTRIBUTION ENTERPRISE R&D.....	26,222 26,222
46	TECH TRANSITION PROGRAM.....	840,650 1,050,783
47	GROUND BASED STRATEGIC DETERRENT.....	215,721 215,721
49	NEXT GENERATION AIR DOMINANCE.....	294,746 294,746
50	THREE DIMENSIONAL LONG-RANGE RADAR.....	10,645 10,645
52	COMMON DATA LINK EXECUTIVE AGENT (CDL EA).....	41,509 41,509
53	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT.....	226,287 194,487
54	ENABLED CYBER ACTIVITIES.....	16,687 16,687
55	SPECIAL TACTICS/COMBAT CONTROL.....	4,500 4,500
56	CONTRACTING INFORMATION TECHNOLOGY SYSTEM.....	15,867 15,867
57	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE).....	253,939 342,439
58	EO/IR WEATHER SYSTEMS.....	10,000 10,000
59	WEATHER SYSTEM FOLLOW-ON.....	112,088 112,088
60	SPACE SITUATION AWARENESS SYSTEMS.....	34,764 44,764

818

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
61	MIDTERM POLAR MILSATCOM SYSTEM.....	63,092 63,092
62	SPACE CONTROL TECHNOLOGY.....	7,842 37,842
63	SPACE SECURITY AND DEFENSE PROGRAM.....	41,385 41,385
64	PROTECTED TACTICAL ENTERPRISE SERVICE (PTES).....	18,150 18,150
65	PROTECTED TACTICAL SERVICE (PTS).....	24,201 24,201
66	PROTECTED SATCOM SERVICES (PSCS) - AGGREGATED.....	16,000 16,000
67	OPERATIONALLY RESPONSIVE SPACE.....	87,577 87,577
	TOTAL, ADVANCED COMPONENT DEVELOPMENT.....	4,605,030 4,943,893
	ENGINEERING & MANUFACTURING DEVELOPMENT	
68	FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS.....	5,100 5,100
69	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT.....	101,203 101,203
70	NUCLEAR WEAPONS SUPPORT.....	3,009 3,009
71	ELECTRONIC WARFARE DEVELOPMENT.....	2,241 2,241
72	TACTICAL DATA NETWORKS ENTERPRISE.....	38,250 38,250
73	PHYSICAL SECURITY EQUIPMENT.....	19,739 39,639
74	SMALL DIAMETER BOMB (SDB).....	38,979 38,979
78	AIRBORNE ELECTRONIC ATTACK.....	7,091 5,091
80	ARMAMENT/ORDNANCE DEVELOPMENT.....	46,540 14,448
81	SUBMUNITIONS.....	2,705 2,705
82	AGILE COMBAT SUPPORT.....	31,240 37,740
84	LIFE SUPPORT SYSTEMS.....	9,060 9,060
85	COMBAT TRAINING RANGES.....	87,350 83,850
86	F-35 - EMD.....	292,947 292,947
88	LONG RANGE STANDOFF WEAPON.....	451,290 451,290
89	ICBM FUZE MODERNIZATION.....	178,991 178,991
90	JOINT TACTICAL NETWORK CENTER (JTNC).....	12,736 12,736
91	JOINT TACTICAL NETWORK (JTN).....	9,319 9,319
92	F-22 MODERNIZATION INCREMENT 3.2B.....	13,600 13,600
94	NEXT GENERATION AERIAL REFUELING AIRCRAFT KC-46.....	93,845 83,845

81C

(IN THOUSANDS OF DOLLARS)

		BUDGET REQUEST	FINAL BILL
95	ADVANCED PILOT TRAINING.....	105,999	86,199
96	COMBAT RESCUE HELICOPTER.....	354,485	354,485
100	AIR AND SPACE OPS CENTER 10.2.....	119,745	5,000
101	B-2 DEFENSIVE MANAGEMENT SYSTEM.....	194,570	154,370
102	NUCLEAR WEAPONS MODERNIZATION.....	91,237	91,237
103	F-15 EPAWSS.....	209,847	209,847
104	STAND IN ATTACK WEAPON.....	3,400	3,400
105	FULL COMBAT MISSION TRAINING.....	16,727	8,727
109	NEXTGEN JSTARS.....	417,201	405,451
110	C-32 EXECUTIVE TRANSPORT RECAPITALIZATION.....	6,017	3,017
111	PRESIDENTIAL AIRCRAFT REPLACEMENT.....	434,069	434,069
112	AUTOMATED TEST SYSTEMS.....	18,528	18,528
113	COMBAT SURVIVOR EVADER LOCATOR.....	24,967	24,967
114	SPACE SITUATION AWARENESS OPERATIONS.....	10,029	10,029
115	COUNTERSPACE SYSTEMS.....	66,370	66,370
116	SPACE SITUATION AWARENESS SYSTEMS.....	48,448	48,448
117	SPACE FENCE.....	35,937	35,937
118	ADVANCED EHF MILSATCOM (SPACE).....	145,610	145,610
119	POLAR MILSATCOM (SPACE).....	33,644	33,644
120	WIDEBAND GLOBAL SATCOM (SPACE).....	14,263	7,263
121	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD.....	311,844	121,760
122	EVOLVED SBIRS.....	71,018	---
122A	NEXT-GENERATION OPIR.....	---	327,022
123	EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE) - EMD.....	297,572	397,572
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	4,476,762	4,416,995

810

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
124 RDT&E MANAGEMENT SUPPORT THREAT SIMULATOR DEVELOPMENT.....	35,405	35,405
125 MAJOR T&E INVESTMENT.....	82,874	112,874
126 RAND PROJECT AIR FORCE.....	34,346	34,346
128 INITIAL OPERATIONAL TEST & EVALUATION.....	15,523	15,523
129 TEST AND EVALUATION SUPPORT.....	678,289	735,689
130 ACQ WORKFORCE- GLOBAL POWER.....	219,809	219,809
131 ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS.....	223,179	228,179
132 ACQ WORKFORCE- GLOBAL REACH.....	138,556	138,556
133 ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS.....	221,393	206,393
134 ACQ WORKFORCE- GLOBAL BATTLE MGMT.....	152,577	147,577
135 ACQ WORKFORCE- CAPABILITY INTEGRATION.....	196,561	217,061
136 ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY.....	28,322	28,322
137 ACQ WORKFORCE- NUCLEAR SYSTEMS.....	126,611	121,111
140 MANAGEMENT HQ - R&D.....	9,154	9,154
141 FACILITIES RESTORATION & MODERNIZATION - TEST & EVAL..	135,507	135,507
142 FACILITIES SUSTAINMENT - TEST AND EVALUATION SUPPORT..	28,720	28,720
143 REQUIREMENTS ANALYSIS AND MATURATION.....	35,453	109,453
146 ENTERPRISE INFORMATION SERVICES (EIS).....	29,049	19,049
147 ACQUISITION AND MANAGEMENT SUPPORT.....	14,980	14,980
148 GENERAL SKILL TRAINING.....	1,434	474
150 INTERNATIONAL ACTIVITIES.....	4,569	4,569
151 SPACE TEST AND TRAINING RANGE DEVELOPMENT.....	25,773	25,773
152 SPACE AND MISSILE CENTER (SMC) CIVILIAN WORKFORCE.....	169,887	169,887
153 SPACE & MISSILE SYSTEMS CENTER - MHA.....	9,531	9,531
154 ROCKET SYSTEMS LAUNCH PROGRAM (SPACE).....	20,975	33,975
155 SPACE TEST PROGRAM (STP).....	25,398	25,398
TOTAL, RDT&E MANAGEMENT SUPPORT.....	2,663,875	2,827,315

81E



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
OPERATIONAL SYSTEMS DEVELOPMENT		
157 NUCLEAR WEAPONS SUPPORT.....	27,579	27,579
158 SPECIALIZED UNDERGRADUATE FLIGHT TRAINING.....	5,776	5,776
159 WIDE AREA SURVEILLANCE.....	16,247	16,247
161 AIR FORCE INTEGRATED MILITARY HUMAN RESOURCES SYSTEM..	21,915	17,915
162 ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY.....	33,150	33,150
163 FOREIGN MATERIEL ACQUISITION AND EXPLOITATION.....	66,653	66,653
164 HC/MC-130 RECAP RDT&E.....	38,579	32,979
165 NC3 INTEGRATION.....	12,636	12,636
166 B-52 SQUADRONS.....	111,910	111,910
167 AIR-LAUNCHED CRUISE MISSILE (ALCM).....	463	463
168 B-1B SQUADRONS.....	62,471	62,471
169 B-2 SQUADRONS.....	193,108	179,108
170 MINUTEMAN SQUADRONS.....	210,845	210,845
171 STRAT WAR PLANNING SYSTEM - USSTRATCOM.....	25,736	25,736
173 WORLDWIDE JOINT STRATEGIC COMMUNICATIONS.....	6,272	13,272
174 INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK.....	11,032	11,032
176 UH-1N REPLACEMENT PROGRAM.....	108,617	108,617
177 REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION..	3,347	3,347
179 MQ-9 UAV.....	201,394	190,994
182 A-10 SQUADRONS.....	17,459	17,459
183 F-16 SQUADRONS.....	246,578	256,578
184 F-15E SQUADRONS.....	320,271	320,271
185 MANNED DESTRUCTIVE SUPPRESSION.....	15,106	15,106
186 F-22 SQUADRONS.....	610,942	600,942
187 F-35 SQUADRONS.....	334,530	334,530
188 TACTICAL AIM MISSILES.....	34,952	34,952
189 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM).....	61,322	61,322
191 COMBAT RESCUE - PARARESCUE.....	693	693
193 PRECISION ATTACK SYSTEMS PROCUREMENT.....	1,714	1,714
194 COMPASS CALL.....	14,040	34,240
195 AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM.....	109,243	109,243
197 JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM).....	29,932	29,932

81F

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
198 AIR AND SPACE OPERATIONS CENTER (AOC).....	26,956	88,756
199 CONTROL AND REPORTING CENTER (CRC).....	2,450	2,450
200 AIRBORNE WARNING AND CONTROL SYSTEM (AWACS).....	151,726	151,726
201 TACTICAL AIRBORNE CONTROL SYSTEMS.....	3,656	3,656
203 COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES.....	13,420	15,920
204 TACTICAL AIR CONTROL PARTY--MOD.....	10,623	10,623
205 C2ISR TACTICAL DATA LINK.....	1,754	1,754
206 DCAPES.....	17,382	17,382
207 NATIONAL TECHNICAL NUCLEAR FORENSICS.....	2,307	2,307
208 SEEK EAGLE.....	25,397	25,397
209 USAF MODELING AND SIMULATION.....	10,175	10,175
210 WARGAMING AND SIMULATION CENTERS.....	12,839	12,839
211 DISTRIBUTED TRAINING AND EXERCISES.....	4,190	4,190
212 MISSION PLANNING SYSTEMS.....	85,531	85,531
213 TACTICAL DECEPTION.....	3,761	3,761
214 AF OFFENSIVE CYBERSPACE OPERATIONS.....	35,693	35,693
215 AF DEFENSIVE CYBERSPACE OPERATIONS.....	20,964	20,964
218 GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN).....	3,549	3,549
219 NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES).....	4,371	4,371
227 AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS.....	3,721	3,721
228 E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC).....	35,467	35,467
230 MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK....	48,841	36,641
231 INFORMATION SYSTEMS SECURITY PROGRAM.....	42,973	42,973
232 GLOBAL COMBAT SUPPORT SYSTEM.....	105	105
233 GLOBAL FORCE MANAGEMENT - DATA INITIATIVE.....	2,147	2,147
236 AIRBORNE SIGINT ENTERPRISE.....	121,948	115,948
237 COMMERCIAL ECONOMIC ANALYSIS.....	3,544	3,544
240 CCMD INTELLIGENCE INFORMATION TECHNOLOGY.....	1,542	1,542
241 GLOBAL AIR TRAFFIC MANAGEMENT (GATM).....	4,453	4,453
243 WEATHER SERVICE.....	26,654	26,654

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
244 AIR TRAFFIC CONTROL, APPROACH, & LANDING SYSTEM (ATC) .	6,306	6,306
245 AERIAL TARGETS . . . . .	21,295	21,295
248 SECURITY AND INVESTIGATIVE ACTIVITIES . . . . .	415	415
250 DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES . . . . .	3,867	3,867
257 DRAGON U-2 . . . . .	34,486	34,486
258 ENDURANCE UNMANNED AERIAL VEHICLES . . . . .	---	40,000
259 AIRBORNE RECONNAISSANCE SYSTEMS . . . . .	4,450	19,450
260 MANNED RECONNAISSANCE SYSTEMS . . . . .	14,269	14,269
261 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS . . . . .	27,501	36,501
262 RQ-4 UAV . . . . .	214,849	222,849
263 NETWORK-CENTRIC COLLABORATIVE TARGET (TIARA) . . . . .	18,842	18,842
265 NATO AGS . . . . .	44,729	44,729
266 SUPPORT TO DCGS ENTERPRISE . . . . .	26,349	26,349
269 INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES . . . . .	3,491	9,491
271 RAPID CYBER ACQUISITION . . . . .	4,899	4,899
275 PERSONNEL RECOVERY COMMAND & CTRL (PRC2) . . . . .	2,445	2,445
276 INTELLIGENCE MISSION DATA (IMD) . . . . .	8,684	8,684
278 C-130 AIRLIFT SQUADRON . . . . .	10,219	10,219
279 C-5 AIRLIFT SQUADRONS . . . . .	22,758	11,758
280 C-17 AIRCRAFT . . . . .	34,287	28,187
281 C-130J PROGRAM . . . . .	26,821	26,821
282 LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM) . . . . .	5,283	5,283
283 KC-135S . . . . .	9,942	9,942
284 KC-10S . . . . .	7,933	7,933
285 OPERATIONAL SUPPORT AIRLIFT . . . . .	6,681	6,681
286 CV-22 . . . . .	22,519	22,519
287 AMC COMMAND AND CONTROL SYSTEM . . . . .	3,510	3,510
288 SPECIAL TACTICS / COMBAT CONTROL . . . . .	8,090	8,090
289 DEPOT MAINTENANCE (NON-IF) . . . . .	1,528	1,528
290 MAINTENANCE, REPAIR & OVERHAUL SYSTEM . . . . .	31,677	31,677
291 LOGISTICS INFORMATION TECHNOLOGY (LOGIT) . . . . .	33,344	30,344
292 SUPPORT SYSTEMS DEVELOPMENT . . . . .	9,362	11,362

814

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
293 OTHER FLIGHT TRAINING.....	2,074	2,074
294 OTHER PERSONNEL ACTIVITIES.....	107	107
295 JOINT PERSONNEL RECOVERY AGENCY.....	2,006	2,006
296 CIVILIAN COMPENSATION PROGRAM.....	3,780	3,780
297 PERSONNEL ADMINISTRATION.....	7,472	5,472
298 AIR FORCE STUDIES AND ANALYSIS AGENCY.....	1,563	1,563
299 FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT..	91,211	91,211
300 SERVICE SUPPORT TO STRATCOM - SPACE ACTIVITIES.....	14,255	14,255
301 AF TENCAP.....	31,914	80,726
302 FAMILY OF ADVANCED BLOS TERMINALS (FAB-T).....	32,426	27,426
303 SATELLITE CONTROL NETWORK (SPACE).....	18,808	18,808
305 NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS).....	10,029	10,029
306 SPACE AND MISSILE TEST AND EVALUATION CENTER.....	25,051	45,051
307 SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT.....	11,390	9,390
308 INTEGRATED BROADCAST SERVICE (IBS).....	8,747	8,747
309 SPACELIFT RANGE SYSTEM (SPACE).....	10,549	20,549
310 GPS III SPACE SEGMENT.....	243,435	243,435
311 SPACE SUPERIORITY INTELLIGENCE.....	12,691	10,691
312 JSPOC MISSION SYSTEM.....	99,455	129,455
313 NATIONAL SPACE DEFENSE CENTER.....	18,052	18,052
314 SHARED EARLY WARNING (SEW).....	1,373	1,373
315 NCMC - TW/AA SYSTEM.....	5,000	5,000
316 NUDET DETECTION SYSTEM (SPACE).....	31,508	31,508
317 SPACE SITUATION AWARENESS OPERATIONS.....	99,984	95,984
318 GLOBAL POSITIONING SYSTEM III - OPERATIONAL CONTROL SEGMENT.....	510,938	510,938
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	5,647,300	5,840,312
9999 CLASSIFIED PROGRAMS.....	14,938,002	16,658,473
UNDISTRIBUTED TRANSFER.....	---	-83,000
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, AIR FORCE	34,914,359	37,428,078

811

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**

[In thousands of dollars]

R-1	Budget Request	Final Bill
<b>2 UNIVERSITY RESEARCH INITIATIVES</b>	<b>147,923</b>	<b>162,923</b>
Program increase - antenna research		5,000
Program increase		10,000
<b>4 MATERIALS</b>	<b>124,264</b>	<b>149,264</b>
Program increase - structures, propulsion, and subsystems		5,000
Program increase - certification of advanced composites		15,000
Program increase - coatings		5,000
<b>5 AEROSPACE VEHICLE TECHNOLOGIES</b>	<b>124,678</b>	<b>155,678</b>
Program increase - structures		10,000
Program increase - high speed systems technology		6,000
Program increase - hypersonic vehicle structures		10,000
Program increase - hypersonic research capability development		5,000
<b>6 HUMAN EFFECTIVENESS APPLIED RESEARCH</b>	<b>108,784</b>	<b>133,284</b>
Program increase - learning and operational readiness		19,500
Program increase - hypoxia research		5,000
<b>7 AEROSPACE PROPULSION</b>	<b>192,695</b>	<b>197,695</b>
Program increase		5,000
<b>8 AEROSPACE SENSORS</b>	<b>152,782</b>	<b>159,282</b>
Program increase - research by minority leaders program		2,500
Program increase		4,000
<b>10 SPACE TECHNOLOGY</b>	<b>116,503</b>	<b>148,603</b>
Program increase - spacecraft vehicle technologies		2,500
Small satellites for resiliency and augmentation of space architecture		19,600
Program increase		10,000
<b>13 DOMINANT INFORMATION SCIENCES &amp; METHODS</b>	<b>167,818</b>	<b>194,318</b>
Program increase		5,000
Program increase		15,500
Program increase - quantum computing		6,000
<b>17 ADVANCED AEROSPACE SENSORS</b>	<b>40,978</b>	<b>47,978</b>
Program increase		7,000
<b>19 AEROSPACE PROPULSION AND POWER TECHNOLOGY</b>	<b>104,499</b>	<b>122,999</b>
Program increase - silicon carbide research		11,000
Program increase		7,500
<b>21 ADVANCED SPACECRAFT TECHNOLOGY</b>	<b>58,910</b>	<b>89,910</b>
Program increase - commercial SSA consortia/testbed		15,000
Program increase		10,000
Program increase - radiation hardened microelectronics		6,000
<b>26 MANUFACTURING TECHNOLOGY PROGRAM</b>	<b>46,450</b>	<b>65,050</b>
Program increase - F-35 battery technology		8,600
Program increase		10,000

815

R-1		Budget Request	Final Bill
28	<b>INTELLIGENCE ADVANCED DEVELOPMENT</b> Program increase - distributed common ground systems	5,652	7,652 2,000
33	<b>ICBM DEM/VAL</b> Program increase	10,736	30,736 20,000
35	<b>LONG RANGE STRIKE - BOMBER (B-21)</b> Program excess	2,003,580	1,983,580 -20,000
37	<b>ADVANCED TECHNOLOGY AND SENSORS</b> IT&S unjustified growth Program increase - ASARS-2B Program increase - hyperspectral chip development	68,719	78,349 -10,000 11,500 8,130
38	<b>NAOC RECAP</b> Recap excess to need	7,850	6,350 -1,500
39	<b>TECHNOLOGY TRANSFER</b> Program increase - technology partnerships	3,295	18,295 15,000
40	<b>HDBTDS</b> Advanced 5000 pound penetrator excess to need	17,365	14,065 -3,300
41	<b>CYBER RESILIENCY OF WEAPON SYSTEM-ACS</b> Program increase - cybersecurity and resiliency for weapon systems	32,253	42,453 10,200
46	<b>TECH TRANSITION PROGRAM</b> Experimentation campaigns - unjustified growth Program increase - competitively awarded technology transition Program increase - light attack experimentation Program increase - directed energy prototyping Program increase - logistics technologies Program increase - alternative energy research Program increase - assured PNT	840,650	1,050,783 -15,867 10,000 100,000 70,000 10,000 6,000 30,000
53	<b>CYBER OPERATIONS TECHNOLOGY DEVELOPMENT</b> Unjustified program growth	226,287	194,487 -31,800
57	<b>NAVSTAR USER EQUIPMENT (SPACE)</b> Excess to need Program increase - military GPS user equipment - Increment 2 - handhelds	253,939	342,439 -10,000 98,500
59	<b>WEATHER SYSTEM FOLLOW-ON</b> Excess to need Program increase - commercial weather data pilot program	112,088	112,088 -10,000 10,000
60	<b>SPACE SITUATION AWARENESS SYSTEMS</b> Program increase	34,764	44,764 10,000
62	<b>SPACE CONTROL TECHNOLOGY</b> Program increase - space defense force packaging	7,842	37,842 30,000
73	<b>PHYSICAL SECURITY EQUIPMENT</b> Program increase - JUON	19,739	39,639 19,900

815

R-1	Budget Request	Final Bill
78 AIRBORNE ELECTRONIC ATTACK Forward financed	7,091	5,091 -2,000
80 ARMAMENT/ORDNANCE DEVELOPMENT SFW-ER	46,540	14,448 -32,092
82 AGILE COMBAT SUPPORT Program increase - civil engineering readiness Program increase - PACOM joint expeditionary airfield damage repair initiative	31,240	37,740 3,500 3,000
85 COMBAT TRAINING RANGES Program increase - test range threat systems Forward financing	87,350	83,850 6,000 -9,500
94 KC-46 Delayed test program	93,845	83,845 -10,000
95 ADVANCED PILOT TRAINING Contract award delay	105,999	86,199 -19,800
100 AOC 10.2 Air Force requested transfer to RDTE,AF line 198 and OM,AF line 11C AOC 10.2 program termination	119,745	5,000 -84,800 -29,945
101 B-2 DMS Technical and programmatic changes to acquisition strategy	194,570	154,370 -40,200
105 FULL COMBAT MISSION TRAINING Forward financing	16,727	8,727 -8,000
109 JSTARS RECAP Excess management services	417,201	405,451 -11,750
110 C-32 EXECUTIVE TRANSPORT RECAP Program office excess to need	6,017	3,017 -3,000
120 WIDEBAND GLOBAL SATCOM (SPACE) AoA duplication of effort	14,263	7,263 -7,000
121 SBIRS HIGH Space modernization initiative Transfer to line 122A for Next-Generation OPIR	311,844	121,760 -16,500 -173,584
122 EVOLVED SBIRS Transfer to line 122A for Next-Generation OPIR	71,018	0 -71,018
122A NEXT-GENERATION OPIR Transfer from SP,AF line 14 Transfer from line 121 Transfer from line 122	0	327,022 82,420 173,584 71,018
123 EELV (SPACE) Program increase	297,572	397,572 100,000

814

R-1	Budget Request	Final Bill
<b>125 MAJOR T&amp;E INVESTMENT</b>	<b>82,874</b>	<b>112,874</b>
Program increase - major range test facility base enhancements		10,000
Program increase		15,000
Program increase - weapon system cyber resiliency test and evaluation		5,000
<b>129 TEST AND EVALUATION SUPPORT</b>	<b>678,289</b>	<b>735,689</b>
Program increase - 4th gen mods - add F-15C, 1 F-15E, 6 F-16s and 1 B-1 test aircraft		23,000
Program increase - weapon system cyber resiliency test and evaluation		4,400
Program increase		30,000
<b>131 ACQUISITION WORKFORCE - GLOBAL VIGILANCE</b>	<b>223,179</b>	<b>228,179</b>
Air Force requested transfer from line 134		5,000
<b>ACQUISITION WORKFORCE - CYBER, NETWORK AND BUSINESS</b>		
<b>133 SYSTEMS</b>	<b>221,393</b>	<b>206,393</b>
Air Force requested transfer to line 135		-15,000
<b>134 ACQUISITION WORKFORCE - GLOBAL BATTLE MANAGEMENT</b>	<b>152,577</b>	<b>147,577</b>
Air Force requested transfer to line 131		-5,000
<b>135 ACQUISITION WORKFORCE - CAPABILITY INTEGRATION</b>	<b>196,561</b>	<b>217,061</b>
Air Force requested transfer from lines 133 and 137		20,500
<b>137 ACQUISITION WORKFORCE - NUCLEAR SYSTEMS</b>	<b>126,611</b>	<b>121,111</b>
Air Force requested transfer to line 135		-5,500
<b>143 REQUIREMENTS ANALYSIS AND MATURATION</b>	<b>35,453</b>	<b>109,453</b>
Program increase - modeling and simulation - joint simulation environment		37,000
Program increase - Global Strike Command analytics		7,000
Program increase - Air superiority 2030 planning for development		30,000
<b>146 ENTERPRISE INFORMATION SERVICES</b>	<b>29,049</b>	<b>19,049</b>
Enterprise resource planning consolidation - unjustified new start		-10,000
<b>148 GENERAL SKILL TRAINING</b>	<b>1,434</b>	<b>474</b>
Historical underexecution		-960
<b>154 ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)</b>	<b>20,975</b>	<b>33,975</b>
Program increase		13,000
<b>161 AF-IPPS</b>	<b>21,915</b>	<b>17,915</b>
Unjustified program growth		-4,000
<b>164 HC/MC-130 RECAP</b>	<b>38,579</b>	<b>32,979</b>
Block 8 development ahead of need		-5,600
<b>169 B-2 SQUADRONS</b>	<b>193,108</b>	<b>179,108</b>
Forward financing		-13,000
Airspace compliance excess to need		-1,000
<b>173 WORLDWIDE JOINT STRATEGIC COMMS</b>	<b>6,272</b>	<b>13,272</b>
Program increase - NC3 architecture development		7,000

(81M)



R-1	Budget Request	Final Bill
179 MQ-9 Release 3 excess to need	201,394	190,994 -10,400
183 F-16 SQUADRONS Program increase - F-16 multifunctional information distribution system - JTRS	246,578	256,578 10,000
186 F-22 SQUADRONS Small projects unjustified growth	610,942	600,942 -10,000
194 COMPASS CALL Program increase - EC-X/Compass Call Cross Deck	14,040	34,240 20,200
198 AOC Air Force requested transfer from line 100	26,956	88,756 61,800
203 COMBAT AIR INTELLIGENCE SYSTEMS Program increase	13,420	15,920 2,500
230 MEECN Forward financing	48,841	36,641 -12,200
236 AIRBORNE SIGINT ENTERPRISE Non-traditional SIGINT unjustified growth	121,948	115,948 -6,000
258 EUAV Program increase - ultra long endurance aircraft	0	40,000 40,000
259 AIRBORNE RECONNAISSANCE SYSTEMS Wide area surveillance Program increase	4,450	19,450 10,000 5,000
261 DCGS Program increase - open architecture and SIGINT integration	27,501	36,501 9,000
262 RQ-4 UPA for Block 40s	214,849	222,849 8,000
INTERNATIONAL INTELLIGENCE TECHNOLOGY AND		
269 ARCHITECTURES Air Force requested transfer from OP,AF line 13	3,491	9,491 6,000
279 C-5 AIRLIFT SQUADRONS Forward financing	22,758	11,758 -11,000
280 C-17 Excess to need	34,287	28,187 -6,100
291 LOGIT New program growth (non-FIAR)	33,344	30,344 -3,000
292 SUPPORT SYSTEMS DEVELOPMENT Program increase	9,362	11,362 2,000
297 PERSONNEL ADMINISTRATION Historical underexecution	7,472	5,472 -2,000

81N

R-1		Budget Request	Final Bill
301	AF TENCAP Program increase - JUON	31,914	80,726 48,812
302	FAB-T Prior year carryover	32,426	27,426 -5,000
306	SPACE AND MISSILE TEST AND EVALUATION CENTER Program increase - space enterprise defense implementation	25,051	45,051 20,000
307	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT Unjustified request	11,390	9,390 -2,000
309	SPACELIFT RANGE SYSTEM Program increase - space launch range services	10,549	20,549 10,000
310	GPS III SPACE SEGMENT Excess to need Program increase - GPS backup technology demonstration	243,435	243,435 -10,000 10,000
311	SPACE SUPERIORITY INTELLIGENCE Prior year carryover	12,691	10,691 -2,000
312	JSPOC MISSION SYSTEM Program increase - space enterprise defense implementation	99,455	129,455 30,000
317	SPACE SITUATION AWARENESS OPERATIONS Excess to need	99,984	95,984 -4,000
999	CLASSIFIED PROGRAMS Classified adjustment	14,938,002	16,658,473 1,720,471
XX	UNDISTRIBUTED Transfer from RDTE,AF to provide appropriations for Department of Defense Acquisition Workforce Development Fund	0	-83,000 -83,000

(810)

next five fiscal years; the number of actual civilian FTEs and the related funding executed in current and previous fiscal years; an explanation of all below and above threshold reprogrammings involving civilian personnel funding; and the impact on staffing and effectiveness of the acquisition programs. The report shall be submitted to the congressional defense committees not later than 90 days after the end of each fiscal year.

#### DISTRIBUTED COMMON GROUND SYSTEMS

Several deficiencies exist within the Air Force's globally networked intelligence, surveillance, and reconnaissance enterprise, referred to as Distributed Common Ground Systems (DCGS). First, the enterprise is excessively stove-piped which makes it difficult for the warfighter to provide integrated products that incorporate different types of intelligence from weapon systems across different levels of classification. Second, the enterprise is not survivable against cyber threats. Third, the enterprise comprises eight separate acquisition programs, all of which are in the sustainment phase despite new capabilities being regularly tested and fielded. The Secretary of the Air Force is directed to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act on a DCGS modernization roadmap, to include a plan to accelerate the transition of the eight acquisition programs and all planned capabilities to an open architecture; a plan to achieve cyber security for the DCGS enterprise; a summary by appropriation of funding to sustain, develop, test, and field capabilities; and opportunities to use agile software development practices.

## JOINT SURVEILLANCE TARGET ATTACK RADAR SYSTEM RECAPITALIZATION

In February 2018, the Air Force detailed its new position to Congress to terminate the Joint Surveillance Target Attack Radar System (JSTARS) recapitalization program and pursue alternatives. Despite years of affirmations to Congress on the need to pursue JSTARS recapitalization and an ongoing source selection process, the Air Force asserts that the program will not be viable in future contested environments and lacks compelling improvements over legacy capabilities.

The proposal to cancel JSTARS recapitalization, pursue alternatives, and ensure no duplication between efforts requires careful consideration by Congress through the fiscal year 2019 budget process. Therefore, the agreement provides \$405,451,000 for JSTARS recapitalization and designates this funding as a congressional special interest item. The Secretary of the Air Force is directed to neither transfer the funding from JSTARS recapitalization, nor utilize these funds for any purpose other than the JSTARS recapitalization program of record as presented with the fiscal year 2018 budget request, unless the congressional defense committees receive and approve a prior approval reprogramming request.

The Secretary of Defense is directed to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act that addresses the following: the plan for divestment of the current E-8C JSTARS fleet and options for sustaining the fleet at a level above that plan; whether it is technically feasible to address concerns regarding the survivability of the JSTARS recapitalization platform by changing system attributes or performance parameters (such as radar range and size, weight, power and cooling margin); the cost and schedule of alternatives to JSTARS recapitalization that are funded in the fiscal year 2019 budget submission and accompanying future years defense plan; and the cost and schedule to procure additional weapon systems (including

Army and Navy systems) that can fulfill mission requirements similar to those performed by JSTARS in order to prevent loss of capacity to support the combatant commanders.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION,  
DEFENSE-WIDE

The agreement provides \$22,010,975,000 for Research, Development, Test and Evaluation, Defense-Wide, as follows:

~~(INSERT COMPUTER TABLE)~~

~~(INSERT PROJECT LEVEL TABLE)~~

insert 85A-N

MISSILE DEFENSE AGENCY – SEA-BASED X-BAND RADAR

Pursuant to section 1684 of the National Defense Authorization Act for Fiscal Year 2016, the Director, Missile Defense Agency (MDA), is reviewing possible basing locations for a Sea-Based X-Band Radar (SBX) in the Atlantic. The Director, MDA is encouraged to consult with the Secretary of the Navy to avoid homeport sites that negatively impact national defense infrastructure and priorities, including United States naval operations such as ship and submarine maintenance activities at public shipyards. Further, the Director, MDA and the Secretary of the Navy are directed to include in the forthcoming report an evaluation of potential impacts to public shipyards,

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
RESEARCH, DEVELOPMENT, TEST & EVAL, DEFENSE-WIDE		
BASIC RESEARCH		
1	DTRA UNIVERSITY STRATEGIC PARTNERSHIP BASIC RESEARCH..	37,201 37,201
2	DEFENSE RESEARCH SCIENCES.....	432,347 422,837
3	BASIC RESEARCH INITIATIVES.....	40,612 40,612
4	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE.....	43,126 43,126
5	NATIONAL DEFENSE EDUCATION PROGRAM.....	74,298 103,298
6	HISTORICALLY BLACK COLLEGES & UNIV (HBCU).....	25,865 40,000
7	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	43,898 43,898
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	TOTAL, BASIC RESEARCH.....	697,347 730,972
APPLIED RESEARCH		
8	JOINT MUNITIONS TECHNOLOGY.....	19,111 19,111
9	BIOMEDICAL TECHNOLOGY.....	109,360 109,360
11	LINCOLN LABORATORY RESEARCH PROGRAM.....	49,748 49,748
12	APPLIED RESEARCH FOR ADVANCEMENT S&T PRIORITIES.....	49,226 49,226
13	INFORMATION AND COMMUNICATIONS TECHNOLOGY.....	392,784 392,784
14	BIOLOGICAL WARFARE DEFENSE.....	13,014 13,014
15	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	201,053 203,053
16	CYBER SECURITY RESEARCH.....	14,775 14,775
17	TACTICAL TECHNOLOGY.....	343,776 333,776
18	MATERIALS AND BIOLOGICAL TECHNOLOGY.....	224,440 201,896
19	ELECTRONICS TECHNOLOGY.....	295,447 295,447
20	WEAPONS OF MASS DESTRUCTION DEFEAT TECHNOLOGIES.....	157,908 157,908
21	SOFTWARE ENGINEERING INSTITUTE.....	8,955 8,955
22	SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT.....	34,493 34,493
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	TOTAL, APPLIED RESEARCH.....	1,914,090 1,883,546

BSA

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
23	ADVANCED TECHNOLOGY DEVELOPMENT JOINT MUNITIONS ADVANCED TECH INSENSITIVE MUNITIONS AD	25,627 25,627
24	COMBATING TERRORISM TECHNOLOGY SUPPORT.....	76,230 126,730
25	FOREIGN COMPARATIVE TESTING.....	24,199 22,199
26	COUNTERPROLIFERATION INITIATIVES--PROLIF PREV & DEFEAT	268,607 278,607
27	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT.....	12,996 12,996
29	WEAPONS TECHNOLOGY.....	5,495 25,495
31	ADVANCED RESEARCH.....	20,184 20,184
32	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT.....	18,662 18,662
35	ADVANCED AEROSPACE SYSTEMS.....	155,406 155,406
36	SPACE PROGRAMS AND TECHNOLOGY.....	247,435 247,435
37	ANALYTIC ASSESSMENTS.....	13,154 13,154
38	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS.....	37,674 37,674
39	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS - MHA.....	15,000 15,000
40	COMMON KILL VEHICLE TECHNOLOGY.....	252,879 56,879
41	DEFENSE INNOVATION UNIT EXPERIMENTAL (DIUX).....	29,594 23,594
42	TECHNOLOGY INNOVATION.....	59,863 19,863
43	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - ADVANCED DEV	145,359 145,359
44	RETRACT LARCH.....	171,120 171,120
45	JOINT ELECTRONIC ADVANCED TECHNOLOGY.....	14,389 14,389
46	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS.....	105,871 105,871
47	NETWORKED COMMUNICATIONS CAPABILITIES.....	12,661 12,661
48	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROG	136,159 186,159
49	MANUFACTURING TECHNOLOGY PROGRAM.....	40,511 40,511
50	EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT.....	57,876 81,376
51	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS.....	10,611 16,611
53	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM.....	71,832 64,832
54	MICROELECTRONIC TECHNOLOGY DEVELOPMENT AND SUPPORT....	219,803 249,803

858



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
55	JOINT WARFIGHTING PROGRAM.....	6,349 6,349
56	ADVANCED ELECTRONICS TECHNOLOGIES.....	79,173 79,173
57	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS.....	106,787 100,037
58	NETWORK-CENTRIC WARFARE TECHNOLOGY.....	439,386 439,386
59	SENSOR TECHNOLOGY.....	210,123 210,123
60	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT..	11,211 11,211
61	DEFENSE RAPID INNOVATION PROGRAM.....	--- 250,000
62	SOFTWARE ENGINEERING INSTITUTE.....	15,047 15,047
63	QUICK REACTION SPECIAL PROJECTS.....	69,203 67,203
64	ENGINEERING SCIENCE AND TECHNOLOGY.....	25,395 25,395
65	TEST & EVALUATION SCIENCE & TECHNOLOGY.....	89,586 111,586
66	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT.....	38,403 40,903
67	CWMD SYSTEMS.....	33,382 33,382
68	SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT....	72,605 95,605
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	3,445,847 3,673,597
	DEMONSTRATION & VALIDATION	
69	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT..	32,937 32,937
70	WALKOFF.....	101,714 101,714
72	ACQUISITION ENTERPRISE DATA AND INFORMATION SERVICES..	2,198 2,198
73	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	54,583 54,583
74	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT....	230,162 396,862
75	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT...	828,097 1,058,093
76	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	148,518 138,593
77	BALLISTIC MISSILE DEFENSE SENSORS.....	247,345 267,345
77A	HOMELAND DEFENSE RADAR - HAWAII.....	--- 61,000
78	BALLISTIC MISSILE DEFENSE ENABLING PROGRAMS.....	449,442 495,784
79	SPECIAL PROGRAMS - MDA.....	320,190 320,190
80	AEGIS BMD.....	852,052 810,154
83	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT.....	430,115 431,640

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
84 BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT....	48,954	48,954
85 BALLISTIC MISSILE DEFENSE INTERGRATION AND OPERATIONS CENTER (MDIOC).....	53,265	53,265
86 REGARDING TRENCH.....	9,113	9,113
87 SEA BASED X-BAND RADAR (SBX).....	130,695	163,695
88 ISRAELI COOPERATIVE PROGRAMS.....	105,354	373,800
89 BALLISTIC MISSILE DEFENSE TEST.....	305,791	394,191
90 BALLISTIC MISSILE DEFENSE TARGETS.....	410,425	497,246
91 HUMANITARIAN DEMINING.....	10,837	10,837
92 COALITION WARFARE.....	10,740	10,740
93 DEPARTMENT OF DEFENSE CORROSION PROGRAM.....	3,837	3,837
94 TECHNOLOGY MATURATION INITIATIVES.....	128,406	164,406
95 MISSILE DEFEAT PROJECT.....	98,369	98,369
96 HYPERSONIC DEFENSE.....	75,300	60,100
97 ADVANCED INNOVATIVE TECHNOLOGIES.....	1,175,832	1,130,832
98 TRUSTED AND ASSURED MICROELECTRONICS.....	83,626	83,626
99 RAPID PROTOTYPING PROGRAM.....	100,000	50,000
101 DOD UNMANNED AIRCRAFT SYSTEM (UAS) COMMON DEVELOPMENT.	3,967	7,967
102 WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA)....	3,833	3,833
104 JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY.....	23,638	23,638
105 LONG RANGE DISCRIMINATION RADAR.....	357,659	370,159
106 IMPROVED HOMELAND DEFENSE INTERCEPTORS.....	465,530	593,730
107 BMD TERMINAL DEFENSE SEGMENT TEST.....	36,239	36,239
108 AEGIS BMD TEST.....	134,468	155,168
109 BALLISTIC MISSILE DEFENSE SENSOR TEST.....	84,239	98,639
110 LAND-BASED SM-3 (LBSM3).....	30,486	30,486
111 AEGIS SM-3 BLOCK IIA CO-DEVELOPMENT.....	9,739	9,739

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
112 BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT TEST.....	76,757	86,057
113 MULTI-OBJECT KILL VEHICLE.....	6,500	6,500
114 JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM.....	2,902	2,902
115 CYBER SECURITY INITIATIVE.....	986	986
116 SPACE TRACKING AND SURVEILLANCE SYSTEM.....	34,907	34,907
117 BALLISTIC MISSILE DEFENSE SYSEM SPACE PROGRAMS.....	16,994	16,994
NATIONAL SECURITY TECHNOLOGY ACCELERATOR/MDS.....	---	25,500
TOTAL, DEMONSTRATION & VALIDATION.....	7,736,741	8,827,548
118 ENGINEERING & MANUFACTURING DEVELOPMENT NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT..	12,536	12,536
119 PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT.....	201,749	201,749
120 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	406,789	375,887
122 JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	15,358	24,858
123 WEAPONS OF MASS DESTRUCTION DEFEAT CAPABILITIES.....	6,241	6,241
124 INFORMATION TECHNOLOGY DEVELOPMENT.....	12,322	11,322
125 HOMELAND PERSONNEL SECURITY INITIATIVE.....	4,893	4,893
126 DEFENSE EXPORTABILITY PROGRAM.....	3,162	2,162
127 OUSD(C) IT DEVELOPMENT INITIATIVES.....	21,353	21,353
128 DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION..	6,266	6,266
129 DCMO POLICY AND INTEGRATION.....	2,810	2,810
130 DEFENSE AGENCY INITIATIVES FINANCIAL SYSTEM.....	24,436	24,436
131 DEFENSE RETIRED AND ANNUITANT PAY SYSTEM (DRAS).....	13,475	13,475
134 TRUSTED & ASSURED MICROELECTRONICS.....	61,084	61,084
133 DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITY.....	11,870	11,870
135 GLOBAL COMBAT SUPPORT SYSTEM.....	2,576	2,576
136 DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEIM)...	3,669	3,669
137 CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION....	8,230	8,230
TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	818,819	795,417

85E

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
138 RDT&E MANAGEMENT SUPPORT DEFENSE READINESS REPORTING SYSTEM (DRRS).....	6,941	6,941
139 JOINT SYSTEMS ARCHITECTURE DEVELOPMENT.....	4,851	4,851
140 CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT....	211,325	211,325
141 ASSESSMENTS AND EVALUATIONS.....	30,144	50,144
142 MISSION SUPPORT.....	63,769	63,769
143 JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC).....	91,057	91,057
144 TECHNICAL STUDIES, SUPPORT AND ANALYSIS.....	22,386	22,386
145 JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION.	36,581	36,581
146 CLASSIFIED PROGRAM USD(P).....	---	138,494
147 SYSTEMS ENGINEERING.....	37,622	37,622
148 STUDIES AND ANALYSIS SUPPORT.....	5,200	5,200
149 NUCLEAR MATTERS - PHYSICAL SECURITY.....	5,232	5,232
150 SUPPORT TO NETWORKS AND INFORMATION INTEGRATION.....	12,583	12,583
151 GENERAL SUPPORT TO USD (INTELLIGENCE).....	31,451	131,451
152 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	104,348	104,348
161 SMALL BUSINESS INNOVATION RESEARCH/TECHNOLOGY TRANSFER	2,372	2,372
162 DEFENSE TECHNOLOGY ANALYSIS.....	24,365	27,365
163 DEFENSE TECHNICAL INFORMATION CENTER (DTIC).....	54,145	54,145
164 R&D IN SUPPORT OF DOD ENLISTMENT, TESTING & EVALUATION	30,356	22,856
165 DEVELOPMENT TEST AND EVALUATION.....	20,571	20,571
166 MANAGEMENT HEADQUARTERS (RESEARCH & DEVELOPMENT).....	14,017	14,017
167 MANAGEMENT HEADQUARTERS DEFENSE TECHNICAL INFORMATION CENTER (DTIC).....	4,187	4,187
168 BUDGET AND PROGRAM ASSESSMENTS.....	3,992	3,992
169 ODNA TECHNOLOGY AND RESOURCE ANALYSIS.....	1,000	1,000
170 OPERATIONS SECURITY (OPSEC).....	2,551	5,551
171 JOINT STAFF ANALYTICAL SUPPORT.....	7,712	22,712
174 SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES...	673	673
175 DEFENSE MILITARY DECEPTION PROGRAM OFFICE.....	1,006	1,006
177 COMBINED ADVANCED APPLICATIONS.....	16,998	16,998
178 CYBER INTELLIGENCE.....	18,992	18,992
181 CWMD SYSTEMS: RDT&E MANAGEMENT SUPPORT.....	1,231	1,231

85F

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL	
183	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION.	44,500	37,500
184	MANAGEMENT HEADQUARTERS - MDA.....	29,947	29,947
187	JOINT SERVICE PROVIDER (JSP).....	5,113	5,113
9999	CLASSIFIED PROGRAMS.....	63,312	63,312
	TOTAL, RDT&E MANAGEMENT SUPPORT.....	1,010,530	1,275,524
	OPERATIONAL SYSTEMS DEVELOPMENT		
188	ENTERPRISE SECURITY SYSTEM (ESS).....	4,565	4,565
189	REGIONAL INTERNATIONAL OUTREACH & PARTNERSHIP FOR PEAC	1,871	1,871
190	OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SY	298	298
191	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT.....	10,882	16,882
192	OPERATIONAL SYSTEMS DEVELOPMENT.....	7,222	7,222
193	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT.....	14,450	14,450
194	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS D	45,677	45,677
195	PLANNING AND DECISION AID SYSTEM.....	3,037	3,037
196	C4I INTEROPERABILITY.....	59,490	59,490
198	JOINT/ALLIED COALITION INFORMATION SHARING.....	6,104	6,104
202	NATIONAL MILITARY COMMAND SYSTEM-WIDE SUPPORT.....	1,863	1,863
203	DEFENSE INFO INFRASTRUCTURE ENGINEERING & INTEGRATION.	21,564	21,564
204	LONG HAUL COMMUNICATIONS (DCS).....	15,428	15,428
205	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK....	15,855	15,855
206	PUBLIC KEY INFRASTRUCTURE (PKI).....	4,811	4,811
207	KEY MANAGEMENT INFRASTRUCTURE (KMI).....	33,746	33,746
208	INFORMATION SYSTEMS SECURITY PROGRAM.....	9,415	19,415
209	INFORMATION SYSTEMS SECURITY PROGRAM.....	227,652	234,652
210	GLOBAL COMMAND AND CONTROL SYSTEM.....	42,687	42,687
211	JOINT SPECTRUM CENTER (DEFENSE SPECTRUM ORGANIZATION).	8,750	8,750
214	JOINT INFORMATION ENVIRONMENT (JIE).....	4,689	4,689
216	FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY.	50,000	45,000
222	CYBER SECURITY INITIATIVE.....	1,686	1,686
227	POLICY R&D PROGRAMS.....	6,526	6,526
228	NET CENTRICITY.....	18,455	18,455
230	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.....	5,496	5,496

(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
233	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.....	3,049 3,049
236	INSIDER THREAT.....	5,365 5,365
237	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM.....	2,071 2,071
243	INTELLIGENCE MISSION DATA (IMD).....	13,111 13,111
245	PACIFIC DISASTER CENTERS.....	1,770 1,770
246	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM.....	2,924 2,924
248	MQ-9 UAV.....	37,863 34,363
251	SPECIAL OPERATIONS AVIATION SYSTEMS ADVANCED DEV.....	259,886 260,386
252	SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT...	8,245 8,245
253	SOF OPERATIONAL ENHANCEMENTS.....	79,455 73,455
254	WARRIOR SYSTEMS.....	45,935 78,435
255	SPECIAL PROGRAMS.....	1,978 1,978
256	UNMANNED ISR.....	31,766 30,576
257	SOF TACTICAL VEHICLES.....	2,578 2,578
258	SOF MARITIME SYSTEMS.....	42,315 69,215
259	SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES.....	4,661 4,661
260	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE.....	12,049 12,049
261	SOF TELEPORT PROGRAM.....	642 642
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	1,177,882 1,245,092
999	CLASSIFIED PROGRAMS.....	3,689,646 3,660,279
	DARPA UNDISTRIBUTED REDUCTION.....	--- -50,000
	MISSILE DEFENSE AGENCY--PROGRAM ADJUSTMENT FOR POOR JUSTIFICATION MATERIAL.....	--- -31,000
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, DEF-WIDE.	20,490,902 22,010,975

85H

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
**[In thousands of dollars]**

<b>R-1</b>	<b>Budget Request</b>	<b>Final Bill</b>
<b>2 DEFENSE RESEARCH SCIENCES</b>	<b>432,347</b>	<b>422,837</b>
New functionalities for biological systems		-9,510
<b>5 NATIONAL DEFENSE EDUCATION PROGRAM</b>	<b>74,298</b>	<b>103,298</b>
Program increase - manufacturing initiatives		29,000
<b>6 HISTORICALLY BLACK COLLEGES &amp; UNIVERSITIES (HBCU)</b>	<b>25,865</b>	<b>40,000</b>
Program increase		14,135
<b>15 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</b>	<b>201,053</b>	<b>203,053</b>
Program increase		2,000
<b>17 TACTICAL TECHNOLOGY</b>	<b>343,776</b>	<b>333,776</b>
Program delays		-10,000
<b>18 MATERIALS AND BIOLOGICAL TECHNOLOGY</b>	<b>224,440</b>	<b>201,896</b>
Program delays		-22,544
<b>24 COMBATING TERRORISM TECHNOLOGY SUPPORT</b>	<b>76,230</b>	<b>126,730</b>
Program increase - Israeli tunneling		47,500
Program increase		3,000
<b>25 FOREIGN COMPARATIVE TESTING</b>	<b>24,199</b>	<b>22,199</b>
Prior year carryover		-2,000
<b>COUNTERPROLIFERATION INITIATIVES - PROLIFERATION</b>		
<b>26 PREVENTION &amp; DEFEAT</b>	<b>268,607</b>	<b>278,607</b>
Program increase - target sensing technologies		10,000
<b>29 WEAPONS TECHNOLOGY</b>	<b>5,495</b>	<b>25,495</b>
Program increase		20,000
<b>40 COMMON KILL VEHICLE TECHNOLOGY</b>	<b>252,879</b>	<b>56,879</b>
Unjustified growth		-160,000
Low power laser demonstrator prototypes post-PDR risk reduction - transfer to line 94		-36,000
<b>41 DEFENSE INNOVATION UNIT EXPERIMENTAL (DIUx)</b>	<b>29,594</b>	<b>23,594</b>
Program decrease		-6,000
<b>42 TECHNOLOGY INNOVATION</b>	<b>59,863</b>	<b>19,863</b>
Classified program adjustment		-40,000
<b>DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY</b>		
<b>48 PROGRAM</b>	<b>136,159</b>	<b>186,159</b>
Program increase - gallium nitride semiconductor technology		15,000
Program increase - manufacturing engineering programs		25,000
Program increase		10,000

851

<b>R-1</b>	<b>Budget Request</b>	<b>Final Bill</b>
<b>50 EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT</b>	<b>57,876</b>	<b>81,376</b>
Program increase		5,000
Program decrease - advanced technology laser		-4,000
Program increase - disruptive air and missile defense		7,500
Program increase - high-altitude optical reconnaissance unit and sensors		10,000
Program increase - technical support and operational analysis effort		5,000
<b>51 GENERIC LOGISTICS R&amp;D TECHNOLOGY DEMONSTRATIONS</b>	<b>10,611</b>	<b>16,611</b>
Program increase - liquid hydrocarbon fuels and nanocellulose composites		4,000
Program increase - sustainable technology demonstration and validation		2,000
<b>53 STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM</b>	<b>71,832</b>	<b>64,832</b>
Program decrease		-10,000
Program increase		3,000
<b>54 MICROELECTRONIC TECHNOLOGY DEVELOPMENT</b>	<b>219,803</b>	<b>249,803</b>
Program increase - Trusted Foundry		30,000
<b>57 COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS</b>	<b>106,787</b>	<b>100,037</b>
Program delays		-6,750
<b>61X DEFENSE RAPID INNOVATION FUND</b>	<b>0</b>	<b>250,000</b>
Program increase		250,000
<b>63 QUICK REACTION SPECIAL PROJECTS</b>	<b>69,203</b>	<b>67,203</b>
Prior year carryover		-5,000
Program increase - solar energy research		3,000
<b>65 TEST &amp; EVALUATION SCIENCE &amp; TECHNOLOGY</b>	<b>89,586</b>	<b>111,586</b>
Program increase		16,000
Program increase - additive manufacturing		6,000
<b>66 OPERATIONAL ENERGY CAPABILITY IMPROVEMENT</b>	<b>38,403</b>	<b>40,903</b>
Program increase		2,500
<b>SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT</b>		
<b>68 DEVELOPMENT</b>	<b>72,605</b>	<b>95,605</b>
Program increase - identity threat mitigation research		18,000
Program increase - tactical assault light operator suit		5,000
<b>74 BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT</b>	<b>230,162</b>	<b>396,862</b>
THAAD software build 4.0 schedule delays		-15,000
THAAD software build 5.0 early to need		-5,000
Program increase - THAAD/Patriot JEON (THAAD)		182,700
Program increase - improved discrimination capabilities		4,000
<b>75 BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT</b>	<b>828,097</b>	<b>1,058,093</b>
Program increase - additional boosters with RKV		143,000
Program increase - missile field silo expansion		65,000
Program increase - improved discrimination capabilities		21,996
<b>76 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAMS</b>	<b>148,518</b>	<b>138,593</b>
Schedule slips		-9,925

(85J)



R-1	Budget Request	Final Bill
<b>77 BALLISTIC MISSILE DEFENSE SENSORS</b>	<b>247,345</b>	<b>267,345</b>
Homeland defense radar - Hawaii - transfer to line 77A		-21,000
Atlantic radar study early to need		-5,000
Program increase - improved discrimination capabilities		38,000
Program increase - THAAD/Patriot JEON		8,000
<b>77A HOMELAND DEFENSE RADAR - HAWAII</b>	<b>0</b>	<b>61,000</b>
Homeland defense radar - Hawaii - transfer from line 77		21,000
Program increase - homeland defense radar - Hawaii		40,000
<b>78 BALLISTIC MISSILE DEFENSE ENABLING PROGRAMS</b>	<b>449,442</b>	<b>495,784</b>
MD24 excess growth		-10,000
Program increase - cyber training and enhancements		25,000
Program increase - high fidelity modeling and simulation		6,100
Program increase - improved discrimination capabilities		23,342
Program increase - FTM-29 flight test repeat		1,900
<b>80 AEGIS BMD</b>	<b>852,052</b>	<b>810,154</b>
Aegis ballistic missile defense 6.x development excess growth		-31,451
SM-3 IIA all up rounds - transfer to P,DW line 28		-41,247
Program increase - FTM-29 flight test repeat		10,800
Program increase - Aegis Ashore Poland		20,000
<b>83 BALLISTIC MISSILE DEFENSE C2BMC</b>	<b>430,115</b>	<b>431,640</b>
Development and deployment concurrent efforts		-3,575
Program increase - improved discrimination capabilities		3,000
Program increase - FTM-29 flight test repeat		2,100
<b>87 SEA BASED X-BAND RADAR (SBX)</b>	<b>130,695</b>	<b>163,695</b>
Program increase		20,000
Program increase - accelerate SBX software upgrades		13,000
<b>88 ISRAELI COOPERATIVE PROGRAMS</b>	<b>105,354</b>	<b>373,800</b>
Program increase - upper tier		28,139
Program increase - arrow program		71,459
Program increase - short range ballistic missile defense		63,848
Program increase - upper tier flight test		105,000
<b>89 BMD TESTS</b>	<b>305,791</b>	<b>394,191</b>
Program increase - HALO replacement aircraft and sensors		81,300
Program increase - THAAD/Patriot JEON		2,700
Program increase - FTM-29 flight test repeat		4,400
<b>90 BMD TARGETS</b>	<b>410,425</b>	<b>497,246</b>
Flight test delay		-21,379
Program increase - THAAD/Patriot JEON		25,000
Program increase - accelerate deployment of 20 additional GBIs with RKV		36,000
Program increase - FTM-29 flight test repeat		47,200
<b>94 TECHNOLOGY MATURATION INITIATIVES</b>	<b>128,406</b>	<b>164,406</b>
Low power laser demonstrator prototypes post-PDR risk reduction - transfer from line 40		36,000
<b>96 HYPERSONIC DEFENSE</b>	<b>75,300</b>	<b>60,100</b>
Early to need pending completion of analysis of alternatives		-15,200

85K

<b>R-1</b>	<b>Budget Request</b>	<b>Final Bill</b>
<b>97 ADVANCED INNOVATIVE TECHNOLOGIES</b>	<b>1,175,832</b>	<b>1,130,832</b>
Program decrease - excess growth		-70,000
Program increase - smarter machine learning		25,000
<b>99 RAPID PROTOTYPING PROGRAM</b>	<b>100,000</b>	<b>50,000</b>
Program decrease		-50,000
<b>DOD UNMANNED AIRCRAFT SYSTEM (UAS) COMMON</b>		
<b>101 DEVELOPMENT</b>	<b>3,967</b>	<b>7,967</b>
Program increase - Air National Guard - ground based sense and avoid		4,000
<b>105 LONG RANGE DISCRIMINATION RADAR</b>	<b>357,659</b>	<b>370,159</b>
Program increase - LRDR BMEWS removal		12,500
<b>106 IMPROVED HOMELAND DEFENSE INTERCEPTORS</b>	<b>465,530</b>	<b>593,730</b>
C3 booster early to need		-11,200
Program increase - accelerate deployment of 20 additional GBIs with RKV		139,400
<b>108 AEGIS BMD TEST</b>	<b>134,468</b>	<b>155,168</b>
Flight test delays carryover		-5,000
Program increase - FTM-29 flight test repeat		25,700
<b>109 BALLISTIC MISSILE DEFENSE SENSORS TEST</b>	<b>84,239</b>	<b>98,639</b>
Program increase - FTM-29 flight test repeat		14,400
<b>BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT</b>		
<b>112 TEST</b>	<b>76,757</b>	<b>86,057</b>
Program increase - accelerate deployment of 20 additional GBIs with RKV		9,300
<b>XX NATIONAL SECURITY TECHNOLOGY ACCELERATOR/MD5</b>	<b>0</b>	<b>25,500</b>
National Security Technology Accelerator/MD5		25,500
<b>120 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</b>	<b>406,789</b>	<b>375,887</b>
Program increase - filtration systems		2,000
Program increase - antiviral prophylaxis studies		5,000
Prior year carryover		-37,902
<b>122 JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)</b>	<b>15,358</b>	<b>24,858</b>
Program increase - antenna technology		5,000
Program increase		2,500
Program increase - cyber vulnerability assessments		2,000
<b>124 INFORMATION TECHNOLOGY DEVELOPMENT</b>	<b>12,322</b>	<b>11,322</b>
Prior year carryover		-1,000
<b>126 DEFENSE EXPORTABILITY PROGRAM</b>	<b>3,162</b>	<b>2,162</b>
Prior year carryover		-1,000
<b>141 ASSESSMENTS AND EVALUATIONS</b>	<b>30,144</b>	<b>50,144</b>
Program increase - cyber vulnerability assessment and hardening		20,000
<b>146 CLASSIFIED PROGRAM USD(P)</b>	<b>0</b>	<b>138,494</b>
Classified adjustment		138,494

(85L)

<b>R-1</b>	<b>Budget Request</b>	<b>Final Bill</b>
<b>151 GENERAL SUPPORT TO USD (INTELLIGENCE)</b> Program increase - Project Maven	<b>31,451</b>	<b>131,451</b> 100,000
<b>162 DEFENSE TECHNOLOGY ANALYSIS</b> Program increase	<b>24,365</b>	<b>27,365</b> 3,000
<b>R&amp;D IN SUPPORT OF DOD ENLISTMENT, TESTING &amp; EVALUATION</b>		
<b>164</b> Prior year carryover	<b>30,356</b>	<b>22,856</b> -7,500
<b>170 OPERATIONS SECURITY (OPSEC)</b> Program increase	<b>2,551</b>	<b>5,551</b> 3,000
<b>171 JOINT STAFF ANALYTICAL SUPPORT</b> Program increase - Joint Force Capabilities Catalogue	<b>7,712</b>	<b>22,712</b> 15,000
<b>COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION</b>		
<b>183</b> Program decrease	<b>44,500</b>	<b>37,500</b> -7,000
<b>191 INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT</b> Program increase	<b>10,882</b>	<b>16,882</b> 6,000
<b>208 INFORMATION SYSTEMS SECURITY PROGRAM</b> Program increase - cyber scholarships	<b>9,415</b>	<b>19,415</b> 10,000
<b>209 INFORMATION SYSTEMS SECURITY PROGRAM</b> Program increase - Sharkseer Program increase - security tools	<b>227,652</b>	<b>234,652</b> 2,000 5,000
<b>FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY</b>		
<b>216</b> Forward financing	<b>50,000</b>	<b>45,000</b> -5,000
<b>248 MQ-9 UAV</b> MALET MQ-9 - excess product development	<b>37,863</b>	<b>34,363</b> -3,500
<b>SPECIAL OPERATIONS AVIATION SYSTEMS ADVANCED DEVELOPMENT</b>		
<b>251</b> Program decrease - aircraft survivability equipment SOCOM requested transfer from P,DW line 49 SOCOM requested transfer from P,DW line 49 RFCM - excess product development CV-22 - poor justification materials	<b>259,886</b>	<b>260,386</b> -4,000 7,500 6,000 -7,500 -1,500
<b>253 SOF OPERATIONAL ENHANCEMENTS</b> Program decrease - classified Program increase - autonomous anti-denial defeat UAS	<b>79,455</b>	<b>73,455</b> -8,000 2,000
<b>254 WARRIOR SYSTEMS</b> Program decrease - SOF deployable nodes Program increase - small glide munition UAS integration Program increase - multi-mission payload program Program increase - distributable audio media and next generation loudspeaker	<b>45,935</b>	<b>78,435</b> -3,000 12,000 17,500 6,000

85M

R-1	Budget Request	Final Bill
<b>256 UNMANNED ISR</b>	<b>31,766</b>	<b>30,576</b>
Program decrease - special applications for contingencies		-6,190
Program increase - UAS anti-icing		5,000
<b>258 SOF MARITIME SYSTEMS</b>	<b>42,315</b>	<b>69,215</b>
Program increase - dry combat submersible		6,300
Program increase - signature testing for dry combat submersible		2,400
Program increase - testing of decompression pump for dry combat submersible		2,900
Program increase - modeling and analysis for dry combat submersible		2,500
SOCOM requested transfer from P,DW line 62		12,800
<b>999 CLASSIFIED PROGRAMS</b>	<b>3,689,646</b>	<b>3,660,279</b>
Classified adjustment		-29,367
<b>DARPA</b>	<b>0</b>	<b>-50,000</b>
Undistributed reduction		-50,000
<b>MISSILE DEFENSE AGENCY</b>	<b>0</b>	<b>-31,000</b>
Program adjustment - poor justification material		-31,000

(85N)

as well as mitigation strategies and associated joint costs, for each Atlantic SBX radar location under consideration.

#### TRUSTED MICROELECTRONICS

The Under Secretary of Defense (Research and Engineering) and the Under Secretary of Defense (Acquisition and Sustainment) are directed to provide a joint report to the congressional defense committees not later than 90 days after the enactment of this Act which defines the scope of the microelectronics challenges the Department of Defense faces; confirms that the United States has adequate infrastructure to provide legacy and future chip needs for weapons systems and what resources are required to provide for that infrastructure; and lists the testing protocols that the Department is utilizing to ensure current microelectronics have achieved security assurance. The report shall also identify policy concerns to ensure the Department of Defense complies sufficiently in conducting the national security mission.

#### STRATEGIC CAPABILITIES OFFICE

The agreement provides \$1,183,506,000 for the Strategic Capabilities Office (SCO). The Under Secretary of Defense (Research and Engineering) is directed to provide a report to the congressional defense committees not later than 90 days after the enactment of this Act on the Department's plan to preserve the ability of SCO to respond to combatant commanders' critical needs and to augment efforts across the Department with respect to strategic capabilities development with new layers of oversight between the Director of SCO and the Secretary of Defense.

## PROJECT MAVEN

The agreement provides \$100,000,000 to enhance the efforts of the Algorithmic Warfare Cross-Functional Team on Project Maven and designates Project Maven and its activities to date as a congressional special interest item. The Under Secretary of Defense (Intelligence) is directed to provide a spend plan for Project Maven not later than 30 days after the enactment of this Act to the congressional defense committees. Further, the Under Secretary of Defense (Intelligence), the Under Secretary of Defense (Research and Engineering), and the Department of Defense Chief Information Officer are directed to provide an artificial intelligence and machine learning framework for the Department of Defense, and specifically cite the activities of the Services, the Defense Advanced Research Projects Agency, combat support agencies, and laboratories funded in this Act, to the congressional defense committees not later than 90 days after the enactment of this Act. The framework should include an overview of all formal artificial intelligence, machine learning, and big data activities; the amounts enacted in the fiscal year 2018 budget; the amounts included in the fiscal year 2019 budget request; and the costs to complete the initial phases of these activities. The framework should prioritize these efforts based on cost and impact to the enterprise and clearly identify how each works together to advance the Department's ability to leverage artificial intelligence and machine learning technologies. Finally, the framework should delineate which activities align with one or more of the following focus areas at a minimum: vision, text, speech, cybersecurity, situational awareness including social media, and enterprise.

## CLOUD COMPUTING

The Department of Defense seeks to accelerate and streamline the acquisition of cloud computing services at multiple security levels across the Department in an effort to provide the benefits of cloud computing while reducing management and administrative burdens. The Department, under the direction of the Deputy Secretary of Defense, created the Cloud Executive Steering Group to oversee this effort, referred to as the Joint Enterprise Defense Infrastructure (JEDI). This effort would be a tailored acquisition for commercial cloud services that could be a single award indefinite delivery/indefinite quantity contract for a period of up to ten years. There are concerns about the proposed duration of a single contract, questions about the best value for the taxpayer, and how to ensure the highest security is maintained.

Therefore, the Secretary of Defense is directed to provide a report to the congressional defense committees not later than 60 days after the enactment of this Act detailing a framework for all Department entities, to include combat support agencies, to acquire cloud computing services including standards, best practices, contract types, and exit strategies to ensure government flexibility as requirements evolve. The report should also include justification, to include cost considerations, for executing a single award contract rather than creating an infrastructure capable of storing and sharing data across multiple cloud computing service providers concurrently, to include data migration and middleware costs.

In addition, not later than 45 days after the enactment of this Act, the Deputy Secretary of Defense is directed to provide a report on the JEDI cloud computing services contract request for proposals (RFP) to the congressional defense committees. The report shall include the following: the amounts requested in the fiscal year 2018 and 2019 budget for this and all other cloud computing services acquisitions by appropriation; the

fiscal year 2019 future years defense program levels for cloud computing services; identification and justification for acquisitions where “other transactional authorities” will be utilized; certification from the Department of Defense Chief Information Officer that each of the military Services, the combatant commands, Defense Information Systems Agency, and the Chief Information Officers of each of the Services have been consulted during the drafting of the RFP; provisions within the contract to ensure security is maintained over the period of the contract; and provisions for mitigation actions if the commercial entity were to provide services to or be acquired by a foreign entity or government.



## OPERATIONAL TEST AND EVALUATION, DEFENSE

The agreement provides \$210,900,000 for Operational Test and Evaluation, Defense, as follows:

### EXPLANATION OF PROJECT LEVEL ADJUSTMENTS [In thousands of dollars]

	Budget Request	Final Bill
OPERATIONAL TEST AND EVALUATION	83,503	83,503
LIVE FIRE TESTING	59,500	59,500
OPERATIONAL TEST ACTIVITIES AND ANALYSIS	67,897	67,897
<b>TOTAL, OPERATIONAL TEST &amp; EVALUATION, DEFENSE</b>	<b>210,900</b>	<b>210,900</b>

## TITLE V - REVOLVING AND MANAGEMENT FUNDS

The agreement provides \$1,685,596,000 in Title V, Revolving and Management Funds, as follows:

~~(INSERT REVOLVING FUNDS SUMMARY TABLE)~~

insert 91A

(IN THOUSANDS OF DOLLARS)

BUDGET  
REQUEST

FINAL  
BILL

-----  
TITLE V

REVOLVING AND MANAGEMENT FUNDS

DEFENSE WORKING CAPITAL FUNDS.....	1,586,596	1,685,596
NATIONAL DEFENSE SEALIFT FUND.....	509,327	---
TOTAL, TITLE V, REVOLVING AND MANAGEMENT FUNDS..	2,095,923	1,685,596

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91A

## DEFENSE WORKING CAPITAL FUNDS

The agreement provides \$1,685,596,000 for Defense Working Capital Funds, as follows:

### EXPLANATION OF PROJECT LEVEL ADJUSTMENTS [In thousands of dollars]

	Budget Request	Final Bill
<b>WORKING CAPITAL FUND, ARMY</b>	<b>83,776</b>	<b>182,776</b>
Program increase - arsenal initiative		99,000
<b>WORKING CAPITAL FUND, AIR FORCE</b>	<b>66,462</b>	<b>66,462</b>
<b>WORKING CAPITAL FUND, DEFENSE-WIDE</b>	<b>47,018</b>	<b>47,018</b>
<b>DEFENSE WORKING CAPITAL FUND, DECA</b>	<b>1,389,340</b>	<b>1,389,340</b>
<b>TOTAL, DEFENSE WORKING CAPITAL FUNDS</b>	<b>1,586,596</b>	<b>1,685,596</b>

## NATIONAL DEFENSE SEALIFT FUND

The agreement does not recommend funding for the National Defense Sealift Fund. Requested funding has been transferred, as follows:

### EXPLANATION OF PROJECT LEVEL ADJUSTMENTS [In thousands of dollars]

	Budget Request	Final Bill
<b>MOBILIZATION PREPAREDNESS</b>	<b>201,450</b>	<b>0</b>
LMSR maintenance - transfer to OM,N		-135,800
Mobilization alterations - transfer to OM,N		-11,197
T-AH maintenance - transfer to OM,N		-54,453
 <b>RESEARCH AND DEVELOPMENT</b>	 <b>18,622</b>	 <b>0</b>
Maritime prepositioning force (future) - transfer to RDTE,N line 132		-468
Strategic sealift research and development - transfer to RDTE,N line 47		-6,425
Naval operational logistics integration - transfer to RDTE,N line 48		-11,729
 <b>READY RESERVE FORCE</b>	 <b>289,255</b>	 <b>0</b>
Ready reserve force - transfer to OM,N		-289,255
 <b>TOTAL, NATIONAL DEFENSE SEALIFT FUND</b>	 <b>509,327</b>	 <b>0</b>

## TITLE VI - OTHER DEPARTMENT OF DEFENSE PROGRAMS

The agreement provides \$36,646,600,000 in Title VI, Other Department of Defense Programs, as follows:

~~(INSERT OTHER DOD PROGRAMS SUMMARY TABLE)~~ insert 94A

(IN THOUSANDS OF DOLLARS)

BUDGET  
REQUEST

FINAL  
BILL

TITLE VI

OTHER DEPARTMENT OF DEFENSE PROGRAMS

DEFENSE HEALTH PROGRAM

OPERATION AND MAINTENANCE.....	32,095,923	31,521,850
PROCUREMENT.....	895,328	867,002
RESEARCH, DEVELOPMENT, TEST AND EVALUATION.....	673,215	2,039,315

TOTAL, DEFENSE HEALTH PROGRAM.....	33,664,466	34,428,167
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CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE

OPERATION AND MAINTENANCE.....	104,237	104,237
PROCUREMENT.....	18,081	18,081
RESEARCH, DEVELOPMENT, TEST AND EVALUATION.....	839,414	839,414

TOTAL, CHEMICAL AGENTS.....	961,732	961,732
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DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE	790,814	934,814
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JOINT IMPROVISED-THREAT DEFEAT FUND.....	14,442	---
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JOINT URGENT OPERATIONAL NEEDS FUND.....	99,795	---
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OFFICE OF THE INSPECTOR GENERAL.....	336,887	321,887
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TOTAL, TITLE VI, OTHER DEPARTMENT OF DEFENSE PROGRAMS.....	35,868,136	36,646,600
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94A

## DEFENSE HEALTH PROGRAM

The agreement provides \$34,428,167,000 for the Defense Health Program, as follows:

~~(INSERT COMPUTER TABLE)~~ e

~~(INSERT PROJECT LEVEL TABLE)~~

insert 95A-C



(IN THOUSANDS OF DOLLARS)

	BUDGET REQUEST	FINAL BILL
-----		
DEFENSE HEALTH PROGRAM		
OPERATION AND MAINTENANCE		
10	IN-HOUSE CARE.....	9,457,768 9,282,768
20	PRIVATE SECTOR CARE.....	15,317,732 15,017,732
30	CONSOLIDATED HEALTH SUPPORT.....	2,193,045 2,141,045
40	INFORMATION MANAGEMENT.....	1,803,733 1,803,733
50	MANAGEMENT ACTIVITIES.....	330,752 330,752
60	EDUCATION AND TRAINING.....	737,730 692,657
70	BASE OPERATIONS/COMMUNICATIONS.....	2,255,163 2,253,163
	SUBTOTAL, OPERATION AND MAINTENANCE.....	32,095,923 31,521,850
PROCUREMENT		
150	INITIAL OUTFITTING.....	26,978 26,978
160	REPLACEMENT AND MODERNIZATION.....	360,831 360,831
180	JOINT OPERATIONAL MEDICINE INFORMATION SYSTEM.....	8,326 ---
200	DOD HEALTH MANAGEMENT SYSTEM MODERNIZATION.....	499,193 479,193
	SUBTOTAL, PROCUREMENT.....	895,328 867,002
RESEARCH DEVELOPMENT TEST AND EVALUATION		
80	RESEARCH.....	9,796 9,796
90	EXPLORATORY DEVELOPMENT.....	64,881 64,881
100	ADVANCED DEVELOPMENT.....	246,268 246,268
110	DEMONSTRATION/VALIDATION.....	99,039 99,039
120	ENGINEERING DEVELOPMENT.....	170,602 150,602
130	MANAGEMENT AND SUPPORT.....	69,191 69,191
140	CAPABILITIES ENHANCEMENT.....	13,438 13,438
150	UNDISTRIBUTED MEDICAL RESEARCH.....	--- 1,386,100
	SUBTOTAL, RESEARCH DEVELOPMENT TEST AND EVALUATION.....	673,215 2,039,315
	TOTAL, DEFENSE HEALTH PROGRAM.....	33,664,466 34,428,167
	=====	=====

95A

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

	Budget Request	Final Bill
<b>OPERATION AND MAINTENANCE</b>		
<b>IN-HOUSE CARE</b>	<b>9,457,768</b>	<b>9,282,768</b>
Pre-mobilization healthcare authorized increase		8,000
Printing and reproduction excess growth		-3,000
Medical care contracts excess growth		-50,000
Other costs excess growth		-34,000
Pharmaceuticals excess growth		-100,000
Travel excess growth		-1,000
Program increase - PTSD healthcare		5,000
<b>PRIVATE SECTOR CARE</b>	<b>15,317,732</b>	<b>15,017,732</b>
Historical underexecution		-300,000
<b>CONSOLIDATED HEALTH SUPPORT</b>	<b>2,193,045</b>	<b>2,141,045</b>
Program increase - therapeutic service dog training program		10,000
Historical underexecution		-62,000
<b>INFORMATION MANAGEMENT</b>	<b>1,803,733</b>	<b>1,803,733</b>
<b>MANAGEMENT ACTIVITIES</b>	<b>330,752</b>	<b>330,752</b>
<b>EDUCATION AND TRAINING</b>	<b>737,730</b>	<b>692,657</b>
Historical underexecution		-19,700
HPSP reduction not properly accounted		-25,373
<b>BASE OPERATIONS AND COMMUNICATIONS</b>	<b>2,255,163</b>	<b>2,253,163</b>
Visual information systems underexecution		-2,000
<b>TOTAL, OPERATION AND MAINTENANCE</b>	<b>32,095,923</b>	<b>31,521,850</b>
<b>PROCUREMENT</b>		
DHMSM prior year carryover		-20,000
JOMIS ahead of need		-8,326
<b>TOTAL, PROCUREMENT</b>	<b>895,328</b>	<b>867,002</b>
<b>RESEARCH AND DEVELOPMENT</b>		
JOMIS prior year carryover		-20,000
Peer-reviewed alcohol and substance abuse disorders research		4,000
Peer-reviewed ALS research		10,000
Peer-reviewed alzheimer research		15,000
Peer-reviewed autism research		7,500
Peer-reviewed bone marrow failure disease research		3,000
Peer-reviewed breast cancer research		130,000
Peer-reviewed cancer research		80,000
Peer-reviewed Duchenne muscular dystrophy research		3,200
Peer-reviewed epilepsy research		7,500
Peer-reviewed gulf war illness research		21,000
Peer-reviewed hearing restoration research		10,000
Peer-reviewed kidney cancer research		15,000
Peer-reviewed lung cancer research		14,000
Peer-reviewed lupus research		5,000
Peer-reviewed medical research		330,000

958

	Budget Request	Final Bill
Peer-reviewed multiple sclerosis research		6,000
Peer-reviewed orthopedic research		30,000
Peer-reviewed ovarian cancer research		20,000
Peer-reviewed prostate cancer research		100,000
Peer-reviewed spinal cord research		30,000
Peer-reviewed reconstructive transplant research		12,000
Peer-reviewed tickborne disease research		5,000
Peer-reviewed traumatic brain injury and psychological health research		125,000
Peer-reviewed tuberous sclerosis complex research		6,000
Peer-reviewed vision research		15,000
Global HIV/AIDS prevention		8,000
HIV/AIDS program increase		12,900
Joint warfighter medical research		50,000
Orthotics and prosthetics outcome research		10,000
Trauma clinical research program		10,000
Restore core funding reduction		291,000
<b>TOTAL, RESEARCH AND DEVELOPMENT</b>	<b>673,215</b>	<b>2,039,315</b>

(950)

## REPROGRAMMING GUIDANCE FOR THE DEFENSE HEALTH PROGRAM

Concerns remain regarding the transfer of funds from the In-House Care budget sub-activity to pay for contractor-provided medical care. To limit such transfers and improve oversight within the Defense Health Program operation and maintenance account, the agreement includes a provision which caps the funds available for Private Sector Care under the TRICARE program subject to prior approval reprogramming procedures. The provision and accompanying explanatory statement language should not be interpreted as limiting the amount of funds that may be transferred to the In-House Care budget sub-activity from other budget sub-activities within the Defense Health Program. In addition, funding for the In-House Care and Private Sector Care budget sub-activities are designated as congressional special interest items. Any transfer of funds in excess of \$15,000,000 into or out of these sub-activities requires the Secretary of Defense to follow prior approval reprogramming procedures.

The Secretary of Defense is directed to provide a report to the congressional defense committees not later than 30 days after the enactment of this Act that delineates transfers of funds in excess of \$10,000,000, and the dates any transfers occurred, from the Private Sector Care budget sub-activity to any other budget sub-activity groups for fiscal year 2017.

The Assistant Secretary of Defense (Health Affairs) is directed to provide quarterly reports to the congressional defense committees on budget execution data for all of the Defense Health Program budget activities and to adequately reflect changes to the budget activities requested by the Services in future budget submissions.

## CARRYOVER

For fiscal year 2018, one percent carryover authority for the operation and maintenance account of the Defense Health Program is recommended. The Assistant Secretary of Defense (Health Affairs) is directed to submit a detailed spending plan for any fiscal year 2017 designated carryover funds to the congressional defense committees not less than 30 days prior to executing the carryover funds.

The Assistant Secretary of Defense (Health Affairs) is further directed to prioritize the payment of arrears to state vaccine programs, as authorized by section 719 of the National Defense Authorization Act for Fiscal Year 2017, in expenditure of these carryover funds.

## PEER-REVIEWED CANCER RESEARCH PROGRAM

The agreement provides \$80,000,000 for the peer-reviewed cancer research program to research cancers not addressed in the breast, prostate, ovarian, kidney, and lung cancer research programs.

The funds provided in the peer-reviewed cancer research program are directed to be used to conduct research in the following areas: adrenal cancer, bladder cancer, blood cancers, brain cancer, colorectal cancer, immunotherapy, listeria-based regimens for cancer, liver cancer, lymphoma, melanoma and other skin cancers, mesothelioma, myeloma, neuroblastoma, pancreatic cancer, pediatric brain tumors, stomach cancer, and cancer in children, adolescents, and young adults.

The reports directed under this heading in House Report 115-219 and the Senate Chairman's Explanatory Statement of November 21, 2017 are still required.

## PEER-REVIEWED MEDICAL RESEARCH PROGRAM

The agreement provides \$330,000,000 for a peer-reviewed medical research program. The Secretary of Defense, in conjunction with the Service Surgeons General, is directed to select medical research projects of clear scientific merit and direct relevance to military health. Research areas considered under this funding are restricted to the following areas: acute lung injury, antimicrobial resistance, arthritis, burn pit exposure, cardiomyopathy, cerebellar ataxia, chronic migraine and post-traumatic headache, chronic pain management, congenital heart disease, constrictive bronchiolitis, diabetes, dystonia, eating disorders, emerging infectious diseases, endometriosis, epidermolysis bullosa, focal segmental glomerulosclerosis, Fragile X, frontotemporal degeneration, Guillain-Barre syndrome, hepatitis B and C, hereditary angioedema, hydrocephalus, immunomonitoring of intestinal transplants, inflammatory bowel diseases, interstitial cystitis, lung injury, malaria, metals toxicology, mitochondrial disease, musculoskeletal disorders, myotonic dystrophy, non-opioid pain management, nutrition optimization, pancreatitis, pathogen-inactivated blood products, post-traumatic osteoarthritis, pressure ulcers, pulmonary fibrosis, respiratory health, Rett syndrome, rheumatoid arthritis, scleroderma, sleep disorders, spinal muscular atrophy, sustained-release drug delivery, tinnitus, tissue regeneration, tuberculosis, vaccine development for infectious diseases, vascular malformations, and women's heart disease. The additional funding provided under the peer-reviewed medical research program shall be devoted only to the purposes listed above.

## ELECTRONIC HEALTH RECORD

The Program Executive Officer (PEO) for Defense Healthcare Management Systems (DHMS), in conjunction with the Director of the Interagency Program Office (IPO), is directed to provide quarterly reports to the congressional defense committees on the cost and schedule of the electronic health record program, to include milestones, knowledge points, and acquisition timelines, as well as quarterly obligation reports. These reports should also include any changes to the deployment timeline, including benchmarks, for full operating capability; any refinements to the cost estimate for full operating capability and the total lifecycle cost of the project; and the progress toward developing, implementing, and fielding the interoperable electronic health record throughout the medical facilities of the Department of Defense and the Department of Veterans Affairs. The PEO DHMS is further directed to continue briefing the House and Senate Defense Appropriations Subcommittees on a quarterly basis, coinciding with the report submission.

Finally, the Director of the IPO is directed to continue to provide quarterly reports to the House and Senate Appropriations Committees, Subcommittees on Defense and Military Construction, Veterans Affairs, and Related Agencies on the progress of interoperability between the two Departments.

## CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE

The agreement provides \$961,732,000 for Chemical Agents and Munitions Destruction, Defense, as follows:

### EXPLANATION OF PROJECT LEVEL ADJUSTMENTS [In thousands of dollars]

	Budget Request	Final Bill
OPERATION AND MAINTENANCE	104,237	104,237
PROCUREMENT	18,081	18,081
RESEARCH, DEVELOPMENT, TEST AND EVALUATION	839,414	839,414
<b>TOTAL, CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE</b>	<b>961,732</b>	<b>961,732</b>



## DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE

The agreement provides \$934,814,000 for Drug Interdiction and Counter-Drug Activities, Defense, as follows:

### EXPLANATION OF PROJECT LEVEL ADJUSTMENTS [In thousands of dollars]

Line	Budget Request	Final Bill
<b>010 COUNTER-NARCOTICS SUPPORT</b>	<b>557,648</b>	<b>552,648</b>
Transfer to National Guard counter-drug schools		- 5,000
<b>020 DRUG DEMAND REDUCTION PROGRAM</b>	<b>116,813</b>	<b>120,813</b>
Program increase - young Marines drug demand reduction		4,000
<b>030 NATIONAL GUARD COUNTER-DRUG PROGRAM</b>	<b>116,353</b>	<b>236,353</b>
Program increase		120,000
<b>040 NATIONAL GUARD COUNTER-DRUG SCHOOLS</b>	<b>0</b>	<b>25,000</b>
Transfer from counter-narcotics support		5,000
Program increase		20,000
<b>TOTAL, DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE</b>	<b>790,814</b>	<b>934,814</b>

## JOINT URGENT OPERATIONAL NEEDS FUND

The agreement does not recommend funding for the Joint Urgent Operational Needs Fund.

## OFFICE OF THE INSPECTOR GENERAL

The agreement provides \$321,887,000 for the Office of the Inspector General, as follows:

### EXPLANATION OF PROJECT LEVEL ADJUSTMENTS [In thousands of dollars]

	Budget Request	Final Bill
<b>OPERATION AND MAINTENANCE</b>	<b>334,087</b>	<b>319,087</b>
Overestimation of civilian full-time equivalents		-15,000
<b>RESEARCH, DEVELOPMENT, TEST AND EVALUATION</b>	<b>2,800</b>	<b>2,800</b>
<b>TOTAL, OFFICE OF THE INSPECTOR GENERAL</b>	<b>336,887</b>	<b>321,887</b>

### QUARTERLY END STRENGTH AND EXECUTION REPORTS

The Department of Defense Inspector General is directed to provide quarterly reports to the congressional defense committees on civilian personnel end strength, full-time equivalents, and budget execution not later than 15 days after the end of each fiscal quarter. The reports should contain quarterly civilian personnel end strength and full-time equivalents as well as an estimate of fiscal year end strength and fiscal year full-time equivalents. The reports should also include quarterly budget execution data along with revised fiscal year estimated execution data. The Inspector General is directed to provide realistic end of fiscal year estimates based on personnel trends to date.

## TITLE VII - RELATED AGENCIES

The agreement provides \$1,051,600,000 in Title VII, Related Agencies, as follows:

~~(INSERT COMPUTER TABLE)~~  Insert 104 A

(IN THOUSANDS OF DOLLARS)

BUDGET  
REQUEST

FINAL  
BILL

TITLE VII

RELATED AGENCIES

CENTRAL INTELLIGENCE AGENCY RETIREMENT AND DISABILITY SYSTEM FUND.....	514,000	514,000
INTELLIGENCE COMMUNITY MANAGEMENT ACCOUNT (ICMA).....	532,000	537,600
TOTAL, TITLE VII, RELATED AGENCIES.....	1,046,000	1,051,600

104A

CLASSIFIED ANNEX

Adjustments to classified programs are addressed in a separate, detailed, and comprehensive classified annex. The Intelligence Community, the Department of Defense, and other organizations are expected to fully comply with the recommendations and directions in the classified annex accompanying the Department of Defense Appropriations Act, 2018.

CENTRAL INTELLIGENCE AGENCY RETIREMENT AND DISABILITY  
SYSTEM FUND

The agreement provides \$514,000,000 for the Central Intelligence Agency Retirement and Disability Fund.

INTELLIGENCE COMMUNITY MANAGEMENT ACCOUNT

The agreement provides \$537,600,000, an increase of \$5,600,000 above the budget request, for the Intelligence Community Management Account.

## TITLE VIII – GENERAL PROVISIONS

The agreement incorporates general provisions which were not amended. Those general provisions that were addressed in the agreement are as follows:

The agreement modifies a provision proposed by the House which requires that no more than 25 percent of the funding made available in this Act be obligated in the last two months of the fiscal year.

### (TRANSFER OF FUNDS)

The agreement modifies a provision proposed by the House which provides general transfer authority not to exceed \$4,250,000,000.

The agreement retains a provision proposed by the House which identifies tables as Explanation of Project Level Adjustments.

The agreement retains a provision proposed by the House which provides for the establishment of a baseline for the application of reprogramming and transfer authorities for the current fiscal year.

The agreement modifies a provision proposed by the House which places restrictions on multiyear procurement contracts.

The agreement retains a provision proposed by the House regarding management of civilian personnel of the Department of Defense.

The agreement retains a provision proposed by the House regarding limitations on the use of funds to purchase anchor and mooring chains.

The agreement includes a provision which restricts the use of funds to support any nonappropriated funds activity that procures malt beverages and wine. The House bill contained no similar provision.

The agreement retains a provision proposed by the House regarding incentive payments authorized by the Indian Financing Act of 1974.



The agreement modifies a provision proposed by the House which prohibits funding from being used to establish new Department of Defense Federally Funded Research and Development Centers with certain limitations.

The agreement includes a provision which provides for the revocation of blanket waivers of the Buy American Act. The House bill contained a similar provision.

The agreement includes a provision which provides for the conveyance, without consideration, of relocatable housing units that are excess to the needs of the Air Force. The House bill contained a similar provision.

The agreement does not retain a provision proposed by the House which was made permanent in the fiscal year 2017 Act that provided the authority for the Defense Intelligence Agency to use funds provided in this Act for the provisioning of information systems.

The agreement includes a provision which provides funds for the Asia Pacific Regional Initiative Program for the purpose of enabling the Pacific Command to execute Theater Security Cooperation activities. The House bill contained no similar provision.

The agreement retains a provision proposed by the House regarding mitigation of environmental impacts on Indian lands resulting from Department of Defense activities.

The agreement includes a provision which requires the Department of Defense to comply with the Buy American Act, chapter 83 of title 41, United States Code. The House bill contained a similar provision.

(RESCISSIONS)

The agreement modifies a provision proposed by the House recommending rescissions and provides for the rescission of \$942,242,000. The rescissions agreed to are:

2016 Appropriations:

Other Procurement, Army:	
Bridge supplemental set.....	\$147,000
Husky mounted detection system .....	1,370,000
Remote demolition systems .....	2,000,000
Mobile soldier power .....	2,000,000
Aircraft Procurement, Navy:	
P-8A Poseidon.....	127,000,000
MH-60R (MYP).....	24,500,000
JPATS .....	5,300,000
Adversary .....	4,300,000
Trainer a/c series .....	10,900,000
Aircraft Procurement, Air Force:	
F-35 (AP-CY) .....	11,000,000
C-130H modifications.....	42,700,000
F-16 modifications link 16 crypto .....	3,200,000
Procurement of Ammunition, Air Force:	
Massive ordnance penetrator .....	5,000,000
Procurement, Defense-Wide:	
Classified program .....	7,264,000
2017 Appropriations:	
Aircraft Procurement, Army:	
Utility f/w aircraft .....	17,000,000
Missile Procurement, Army:	
Indirect fire protection capability .....	19,319,000
Weapons and Tracked Combat Vehicles, Army:	
Integrated air burst weapon system family .....	7,064,000
Procurement of Ammunition, Army:	
Shoulder launched munitions, all types .....	15,507,000
Other Procurement, Army:	
Tactical bridging .....	2,535,000
Mid-tier networking vehicular radio.....	10,000,000
Aircraft Procurement, Navy:	
P-8A Poseidon.....	20,900,000
MQ-4 Triton.....	25,000,000
Weapons Procurement, Navy:	
Tomahawk.....	32,200,000
Shipbuilding and Conversion, Navy:	
Carrier replacement program .....	14,000,000
Aircraft Procurement, Air Force:	

KC-46A tanker.....	31,100,000
UH-1N replacement.....	15,300,000
KC-135 block 40/45 installs.....	5,600,000
Initial spares/repair parts – ARS spares.....	2,900,000
War consumables – MALD-J.....	7,000,000
F-16 modifications link 16 crypto.....	6,447,000
Classified program.....	10,000,000
Missile Procurement, Air Force:	
MMIII modifications – ICU II.....	31,639,000
Space Procurement, Air Force:	
Evolved expendable launch vehicle.....	34,900,000
Procurement of Ammunition, Air Force:	
Fuzes.....	18,000,000
Other Procurement, Air Force:	
MEECN – GASNT increment 1.....	115,325,000
Classified program.....	5,000,000
D-RAPCON.....	12,466,000
Combat training ranges - CEAR.....	3,900,000
Research, Development, Test and Evaluation, Army:	
Cyberspace operations forces and force support.....	4,650,000
Aircraft avionics.....	8,000,000
Mid-tier networking vehicular radio.....	1,681,000
Combat vehicle improvement programs –	
Stryker ECP carryover.....	26,000,000
Aircraft modifications/product improvement	
programs.....	12,000,000
Distributed common ground/surface systems.....	10,000,000
Research, Development, Test and Evaluation, Navy:	
Global combat support systems.....	9,128,000
Research, Development, Test and Evaluation, Air Force:	
Ground attack weapon fuze.....	700,000
Space fence.....	20,000,000
KC-46.....	85,000,000
Nuclear weapons modernization.....	11,000,000
C-130 airlift squadrons.....	7,300,000
Classified program.....	7,000,000
Defense Health Program, Research, Development, Test and Evaluation:	
DHMSM carryover.....	30,000,000

The agreement retains a provision proposed by the House which restricts procurement of ball and roller bearings other than those produced by a domestic source and of domestic origin.

The agreement includes a provision which makes funds available to maintain competitive rates at the arsenals. The House bill contained no similar provision.

The agreement retains a provision proposed by the House which provides funding to the United Service Organizations and the Red Cross.

(TRANSFER OF FUNDS)

The agreement retains a provision proposed by the House which provides funding for the Sexual Assault Victims Special Counsel Program.

The agreement modifies a provision proposed by the House regarding the use of funding appropriated in title IV of this Act to procure end-items.

The agreement retains a provision proposed by the House which restricts funding for repairs and maintenance of military housing units.

(TRANSFER OF FUNDS)

The agreement includes a provision which directs that Operation and Maintenance, Navy funds shall be available for transfer to the John C. Stennis Center for Public Service Development Trust Fund. The House bill contained no similar provision.

The agreement retains a provision proposed by the House which provides a grant to the Fisher House Foundation, Inc.

The agreement includes a provision which requires notification upon the use of rapid acquisition authorities. The House bill contained no similar provision.

(TRANSFER OF FUNDS)

The agreement modifies a provision proposed by the House related to funding for the Israeli Cooperative Defense programs.

(TRANSFER OF FUNDS)

The agreement modifies a provision proposed by the House which provides for the funding of prior year shipbuilding cost increases.

The agreement includes a provision which provides that the budget of the President for the subsequent fiscal year shall include separate budget justification documents for costs of the United States Armed Forces' participation in contingency operations. The House bill contained a similar provision.

The agreement modifies a provision proposed by the House which reduces funding due to favorable foreign exchange rates.

The agreement includes a provision which makes funds available for rapid acquisition and deployment of supplies. The House bill contained no similar provision.

The agreement retains a provision proposed by the House which prohibits changes to the Army Contracting Command-New Jersey without prior notification.

The agreement includes a provision which places restrictions on the use of funds to support friendly foreign countries. The House bill contained no similar provision.

The agreement does not retain a provision proposed by the House recommending a rescission from the Department of Defense Acquisition Workforce Development Fund.

The agreement includes a provision which applies reprogramming procedures on the Department of Defense Acquisition Workforce Development Fund. The House bill contained no similar provision.

The agreement includes a provision that prohibits the transfer of funds into the Department of Defense Acquisition Workforce Development Fund. The House bill contained a similar provision.

The agreement retains a provision proposed by the House related to agreements with the Russian Federation pertaining to United States ballistic missile defense systems.

(TRANSFER OF FUNDS)

The agreement includes a provision which provides the Director of National Intelligence with general transfer authority with certain limitations. The House bill contained a similar provision.

The agreement retains a provision proposed by the House which prohibits funds from being used for the purchase or manufacture of a United States flag unless such flags are treated as covered items under section 2533a(b) of title 10, U.S.C.

The agreement includes a provision which requires reporting on the National Instant Criminal Background Check System. The House bill contained no similar provision.

The agreement retains a provision proposed by the House that requires the Secretary of Defense to post grant awards on a public website in a searchable format.

The agreement includes a provision which provides guidance on cost overrun reductions and the Rapid Prototyping Fund. The House bill contained no similar provision.

The agreement retains a provision proposed by the House regarding funding for flight demonstration teams at locations outside the United States.

The agreement retains a provision proposed by the House which prohibits the use of funds to implement the Arms Trade Treaty until the treaty is ratified by the Senate.

The agreement includes a provision which prohibits the transfer of funds to any organization not funded in this Act with certain exceptions. The House bill contained a similar provision.

The agreement retains a provision proposed by the House which prohibits introducing armed forces into Iraq in contravention of the War Powers Act.

The agreement modifies a provision proposed by the House which limits the use of funds for the T-AO program.

The agreement does not retain a provision proposed by the House which reduces Working Capital Funds to reflect excess cash balances.

The agreement modifies a provision proposed by the House which reduces the total amount appropriated to reflect lower than anticipated fuel costs.

The agreement retains a provision proposed by the House which prohibits the use of funds for gaming or entertainment that involves nude entertainers.

The agreement retains a provision proposed by the House which prohibits the use of funds for Base Realignment and Closure.

(TRANSFER OF FUNDS)

The agreement includes a provision which grants the Secretary of Defense the authority to use funds for Office of Personnel and Management background investigations. The House bill contained no similar provision.

The agreement does not retain a provision proposed by the House which restricts the use of funds for the Joint Surveillance Target Attack Radar System recapitalization program for pre-milestone B activities.

The agreement does not retain a provision proposed by the House which provides authority to use readiness funds for Zika related activities.

The agreement includes a provision which provides reprogramming authority for the Global Engagement Center. The House bill contained a similar provision.

The agreement does not retain a provision proposed by the House which provides funds for the military personnel accounts for purposes of a military pay raise.

The agreement retains a provision proposed by the House which makes funds available through the Office of Economic Adjustment for transfer to the Secretary of Education, to make grants to construct, renovate, repair, or expand elementary and secondary public schools on military installations.

The agreement does not retain a provision proposed by the House which limits the availability of funds to carry out changes to the Joint Travel Regulations of the Department of Defense.

The agreement retains a provision proposed by the House which provides guidance on the implementation of the Policy for Assisted Reproductive Services for the Benefit of Seriously or Severely Ill/Injured Active Duty Service Members.

The agreement retains a provision proposed by the House which prohibits the use of funds to provide arms, training, or other assistance to the Azov Battalion.

The agreement retains a provision proposed by the House which prohibits the use of funds to purchase heavy water from Iran.

The agreement adds a provision which amends Section 316(a)(2) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) by striking “the study under this subsection” and inserting “the study and assessment under this section”.

The agreement does not retain a provision proposed by the House which provides guidance on references to this Act.

The agreement does not retain a provision proposed by the House which provides guidelines on the interpretation of House Report 115-219.

The agreement does not retain a provision proposed by the House which provides spending reduction account guidance.

The agreement does not retain a provision proposed by the House which prohibits the use of funds in the Afghanistan Security Forces Fund to procure uniforms for the Afghan National Army.

The agreement does not retain a provision proposed by the House which prohibits the use of funds to close biosafety level 4 laboratories.



The agreement does not retain a provision proposed by the House which prohibits the use of funds for public-private partnerships under Office of Management and Budget circular A-76.

The agreement adds a provision which makes funds available for the Secretary of Defense for use in a designated country.

**TITLE IX – OVERSEAS CONTINGENCY OPERATIONS/  
GLOBAL WAR ON TERRORISM**

The agreement provides \$65,166,000,000 in Title IX, Overseas Contingency Operations/Global War on Terrorism.

**REPORTING REQUIREMENTS**

The agreement includes a number of reporting requirements related to contingency operations and building capacity efforts. The Secretary of Defense is directed to continue to report incremental costs for all named operations in the Central Command Area of Responsibility on a quarterly basis and to submit, also on a quarterly basis, commitment, obligation, and expenditure data for the Afghanistan Security Forces Fund, the Counter-Islamic State of Iraq and Syria Train and Equip Fund, and for all security cooperation programs funded under the Defense Security Cooperation Agency in the Operation and Maintenance, Defense-Wide account.

MILITARY PERSONNEL

The agreement provides \$4,326,172,000 for Military Personnel, as follows:

~~(INSERT MILPERS OCO TABLE)~~

insert 118A-E

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

M-1	Budget Request	Final Bill
<b>MILITARY PERSONNEL, ARMY</b>		
<b>BA-1: PAY AND ALLOWANCES OF OFFICERS</b>		
BASIC PAY	462,564	462,564
RETIRED PAY ACCRUAL	104,534	104,534
BASIC ALLOWANCE FOR HOUSING	167,686	167,686
BASIC ALLOWANCE FOR SUBSISTENCE	18,508	18,508
INCENTIVE PAYS	3,191	3,191
SPECIAL PAYS	24,006	24,006
ALLOWANCES	14,668	14,668
SEPARATION PAY	7,090	7,090
SOCIAL SECURITY TAX	35,386	35,386
<b>TOTAL, BA-1</b>	<b>837,633</b>	<b>837,633</b>
<b>BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL</b>		
BASIC PAY	764,819	764,819
RETIRED PAY ACCRUAL	172,849	172,849
BASIC ALLOWANCE FOR HOUSING	346,571	346,571
INCENTIVE PAYS	2,784	2,784
SPECIAL PAYS	48,257	48,257
ALLOWANCES	44,934	44,934
SEPARATION PAY	15,317	15,317
SOCIAL SECURITY TAX	58,509	58,509
<b>TOTAL, BA-2</b>	<b>1,454,040</b>	<b>1,454,040</b>
<b>BA-4: SUBSISTENCE OF ENLISTED PERSONNEL</b>		
BASIC ALLOWANCE FOR SUBSISTENCE	86,977	86,977
SUBSISTENCE-IN-KIND	222,885	222,885
<b>TOTAL, BA-4</b>	<b>309,862</b>	<b>309,862</b>
<b>BA-5: PERMANENT CHANGE OF STATION TRAVEL</b>		
OPERATIONAL TRAVEL	22,158	22,158
ROTATIONAL TRAVEL	5,741	5,741
<b>TOTAL, BA-5</b>	<b>27,899</b>	<b>27,899</b>
<b>BA-6: OTHER MILITARY PERSONNEL COSTS</b>		
INTEREST ON UNIFORMED SERVICES SAVINGS	2,997	2,997
DEATH GRATUITIES	2,000	2,000
UNEMPLOYMENT BENEFITS	39,253	39,253
SGLI EXTRA HAZARD PAYMENTS	10,010	10,010
<b>TOTAL, BA-6</b>	<b>54,260</b>	<b>54,260</b>
<b>TOTAL, MILITARY PERSONNEL, ARMY</b>	<b>2,683,694</b>	<b>2,683,694</b>

(118A)

M-1

Budget Request

Final Bill

MILITARY PERSONNEL, NAVY

BA-1: PAY AND ALLOWANCES OF OFFICERS

BASIC PAY	74,171	74,171
RETIRED PAY ACCRUAL	16,763	16,763
BASIC ALLOWANCE FOR HOUSING	25,185	25,185
BASIC ALLOWANCE FOR SUBSISTENCE	2,616	2,616
INCENTIVE PAYS	631	631
SPECIAL PAYS	3,168	3,168
ALLOWANCES	7,597	7,597
SOCIAL SECURITY TAX	5,674	5,674
TOTAL, BA-1	135,805	135,805

BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL

BASIC PAY	86,671	86,671
RETIRED PAY ACCRUAL	19,588	19,588
BASIC ALLOWANCE FOR HOUSING	46,974	46,974
SPECIAL PAYS	6,542	6,542
ALLOWANCES	17,995	17,995
SOCIAL SECURITY TAX	6,630	6,630
TOTAL, BA-2	184,400	184,400

BA-4: SUBSISTENCE OF ENLISTED PERSONNEL

BASIC ALLOWANCE FOR SUBSISTENCE	10,359	10,359
SUBSISTENCE-IN-KIND	29,101	29,101
TOTAL, BA-4	39,460	39,460

BA-5: PERMANENT CHANGE OF STATION TRAVEL

ACCESSION TRAVEL	3,806	3,806
OPERATIONAL TRAVEL	1,264	1,264
ROTATIONAL TRAVEL	600	600
SEPARATION TRAVEL	2,152	2,152
TOTAL, BA-5	7,822	7,822

BA-6: OTHER MILITARY PERSONNEL COSTS

DEATH GRATUITIES	300	300
UNEMPLOYMENT BENEFITS	5,978	5,978
RESERVE INCOME REPLACEMENT PROGRAM	9	9
SGLI EXTRA HAZARD PAYMENTS	4,083	4,083
TOTAL, BA-6	10,370	10,370

TOTAL, MILITARY PERSONNEL, NAVY

377,857

377,857

1183

M-1

Budget Request

Final Bill

## MILITARY PERSONNEL, MARINE CORPS

## BA-1: PAY AND ALLOWANCES OF OFFICERS

BASIC PAY	19,766	19,766
RETIRED PAY ACCRUAL	4,479	4,479
BASIC ALLOWANCE FOR HOUSING	6,679	6,679
BASIC ALLOWANCE FOR SUBSISTENCE	634	634
INCENTIVE PAYS	160	160
SPECIAL PAYS (AND INCENTIVE PAYS)	2,486	2,486
ALLOWANCES	920	920
SOCIAL SECURITY TAX	1,512	1,512
TOTAL, BA-1	36,636	36,636

## BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL

BASIC PAY	24,617	24,617
RETIRED PAY ACCRUAL	5,551	5,551
BASIC ALLOWANCE FOR HOUSING	15,229	15,229
INCENTIVE PAYS	23	23
SPECIAL PAYS	8,084	8,084
ALLOWANCES	6,935	6,935
SOCIAL SECURITY TAX	1,883	1,883
TOTAL, BA-2	62,322	62,322

## BA-4: SUBSISTENCE OF ENLISTED PERSONNEL

BASIC ALLOWANCE FOR SUBSISTENCE	2,842	2,842
TOTAL, BA-4	2,842	2,842

## BA-6: OTHER MILITARY PERSONNEL COSTS

INTEREST ON UNIFORMED SERVICES SAVINGS	302	302
SGLI EXTRA HAZARD PAYMENTS	1,877	1,877
TOTAL, BA-6	2,179	2,179

TOTAL, MILITARY PERSONNEL, MARINE CORPS

103,979

103,979

## MILITARY PERSONNEL, AIR FORCE

## BA-1: PAY AND ALLOWANCES OF OFFICERS

BASIC PAY	122,568	122,568
RETIRED PAY ACCRUAL	27,700	27,700
BASIC ALLOWANCE FOR HOUSING	38,118	38,118
BASIC ALLOWANCE FOR SUBSISTENCE	4,276	4,276
SPECIAL PAYS	6,093	6,093
ALLOWANCES	6,577	6,577
SOCIAL SECURITY TAX	9,376	9,376
TOTAL, BA-1	214,708	214,708

1180

M-1	Budget Request	Final Bill
<b>BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL</b>		
BASIC PAY	279,399	279,399
RETIRED PAY ACCRUAL	63,144	63,144
BASIC ALLOWANCE FOR HOUSING	118,426	118,426
SPECIAL PAYS	23,327	23,327
ALLOWANCES	23,238	23,238
SOCIAL SECURITY TAX	21,374	21,374
<b>TOTAL, BA-2</b>	<b>528,908</b>	<b>528,908</b>
<b>BA-4: SUBSISTENCE OF ENLISTED PERSONNEL</b>		
BASIC ALLOWANCE FOR SUBSISTENCE	30,311	30,311
SUBSISTENCE-IN-KIND	117,214	117,214
<b>TOTAL, BA-4</b>	<b>147,525</b>	<b>147,525</b>
<b>BA-6: OTHER MILITARY PERSONNEL COSTS</b>		
DEATH GRATUITIES	1,007	1,007
UNEMPLOYMENT BENEFITS	15,568	15,568
SGLI EXTRA HAZARD PAYMENTS	6,403	6,403
<b>TOTAL, BA-6</b>	<b>22,978</b>	<b>22,978</b>
<b>TOTAL, MILITARY PERSONNEL, AIR FORCE</b>	<b>914,119</b>	<b>914,119</b>
<b>RESERVE PERSONNEL, ARMY</b>		
<b>BA-1: UNIT AND INDIVIDUAL TRAINING</b>		
SPECIAL TRAINING	24,942	24,942
<b>TOTAL, BA-1</b>	<b>24,942</b>	<b>24,942</b>
<b>TOTAL, RESERVE PERSONNEL, ARMY</b>	<b>24,942</b>	<b>24,942</b>
<b>RESERVE PERSONNEL, NAVY</b>		
<b>BA-1: UNIT AND INDIVIDUAL TRAINING</b>		
SPECIAL TRAINING	8,835	8,835
ADMINISTRATION AND SUPPORT	256	256
<b>TOTAL, BA-1</b>	<b>9,091</b>	<b>9,091</b>
<b>TOTAL, RESERVE PERSONNEL, NAVY</b>	<b>9,091</b>	<b>9,091</b>
<b>RESERVE PERSONNEL, MARINE CORPS</b>		
<b>BA-1: UNIT AND INDIVIDUAL TRAINING</b>		
SPECIAL TRAINING	2,285	2,285
ADMINISTRATION AND SUPPORT	43	43
<b>TOTAL, BA-1</b>	<b>2,328</b>	<b>2,328</b>
<b>TOTAL, RESERVE PERSONNEL, MARINE CORPS</b>	<b>2,328</b>	<b>2,328</b>

118D

M-1	Budget Request	Final Bill
<b>RESERVE PERSONNEL, AIR FORCE</b>		
BA-1: UNIT AND INDIVIDUAL TRAINING		
SPECIAL TRAINING	20,569	20,569
TOTAL, BA-1	20,569	20,569
<b>TOTAL, RESERVE PERSONNEL, AIR FORCE</b>	<b>20,569</b>	<b>20,569</b>
<b>NATIONAL GUARD PERSONNEL, ARMY</b>		
BA-1: UNIT AND INDIVIDUAL TRAINING		
PAY GROUP A TRAINING (15 DAYS and DRILLS 24/48)	39,327	39,327
SCHOOL TRAINING	2,881	2,881
SPECIAL TRAINING	132,994	132,994
ADMINISTRATION AND SUPPORT	9,387	9,387
TOTAL, BA-1	184,589	184,589
<b>TOTAL, NATIONAL GUARD PERSONNEL, ARMY</b>	<b>184,589</b>	<b>184,589</b>
<b>NATIONAL GUARD PERSONNEL, AIR FORCE</b>		
BA-1: UNIT AND INDIVIDUAL TRAINING		
SPECIAL TRAINING	5,004	5,004
TOTAL, BA-1	5,004	5,004
<b>TOTAL, NATIONAL GUARD PERSONNEL, AIR FORCE</b>	<b>5,004</b>	<b>5,004</b>
<b>TOTAL, MILITARY PERSONNEL</b>	<b>4,326,172</b>	<b>4,326,172</b>

(118E)



## OPERATION AND MAINTENANCE

The agreement provides \$50,317,919,000 for Operation and Maintenance, as follows:

~~(INSERT O&M OCO TABLE)~~

insert 119A-G

## PRIVATE SECURITY COMPANIES

The Secretary of Defense is commended for the Department's assistance in developing principles, standards, and a code of conduct based on international law, to ensure that private security companies respect human rights and the rule of law in the provision of security assistance services. The Secretary of Defense is directed to submit a report to the congressional defense committees not later than 90 days after enactment of this Act, on the Department's standards and oversight and accountability mechanisms that apply to private security companies contracted by the Department of Defense compared to the standards and mechanisms that apply to private security companies contracted by the Department of State.

## AFGHANISTAN SECURITY FORCES FUND CONTRACT COSTS

There remain concerns about the excessive costs of training contracts awarded using the Afghanistan Security Forces Fund (ASFF). Therefore, the Comptroller General is directed to examine all ASFF training contracts and provide a report detailing his

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
**[In thousands of dollars]**

O-1	Budget Request	Final Bill
<b>OPERATION AND MAINTENANCE, ARMY</b>		
111 MANEUVER UNITS	828,225	908,225
OCO operations - transfer from title II		80,000
113 ECHELONS ABOVE BRIGADE	25,474	25,474
114 THEATER LEVEL ASSETS	1,778,644	1,778,644
115 LAND FORCES OPERATIONS SUPPORT	260,575	260,575
116 AVIATION ASSETS	284,422	284,422
121 FORCE READINESS OPERATIONS SUPPORT	2,784,525	3,019,525
Unjustified growth		-50,000
OCO operations - transfer from title II		285,000
122 LAND FORCES SYSTEMS READINESS	502,330	502,330
123 LAND FORCES DEPOT MAINTENANCE	104,149	389,149
OCO operations - transfer from title II		285,000
131 BASE OPERATIONS SUPPORT	80,249	80,249
132 FACILITIES, SUSTAINMENT, RESTORATION AND MODERNIZATION	32,000	32,000
135 ADDITIONAL ACTIVITIES	6,988,168	6,860,268
Unjustified growth		-20,000
Program decrease not properly accounted		-107,900
136 COMMANDERS' EMERGENCY RESPONSE PROGRAM	5,000	5,000
137 RESET	864,926	864,926
141 U.S. AFRICA COMMAND	186,567	186,567
142 U.S. EUROPEAN COMMAND	44,250	44,250
212 ARMY PREPOSITIONED STOCKS	56,500	56,500
421 SERVICEWIDE TRANSPORTATION	789,355	739,355
Unjustified growth		-50,000
422 CENTRAL SUPPLY ACTIVITIES	16,567	16,567
423 LOGISTIC SUPPORT ACTIVITIES	6,000	6,000
424 AMMUNITION MANAGEMENT	5,207	5,207

(119A)

O-1	Budget Request	Final Bill
434 OTHER PERSONNEL SUPPORT	107,091	107,091
437 REAL ESTATE MANAGEMENT	165,280	165,280
999 CLASSIFIED PROGRAMS	1,083,390	1,083,390
ARMY PGSS REQUIREMENT DECREASE		-41,000
PROGRAM DECREASE NOT PROPERLY ACCOUNTED		-27,000
<b>TOTAL, OPERATION AND MAINTENANCE, ARMY</b>	<b>16,998,894</b>	<b>17,352,994</b>

**OPERATION AND MAINTENANCE, NAVY**

1A1A MISSION AND OTHER FLIGHT OPERATIONS	412,710	742,710
OCO operations - transfer from title II		330,000
1A2A FLEET AIR TRAINING	5,674	5,674
1A3A AVIATION TECHNICAL DATA & ENGINEERING SERVICES	1,750	1,750
1A4A AIR OPERATIONS AND SAFETY SUPPORT	2,989	2,989
1A4N AIR SYSTEMS SUPPORT	144,030	144,030
1A5A AIRCRAFT DEPOT MAINTENANCE	211,196	211,196
1A6A AIRCRAFT DEPOT OPERATIONS SUPPORT	1,921	1,921
1A9A AVIATION LOGISTICS	102,834	102,834
1B1B MISSION AND OTHER SHIP OPERATIONS	871,453	1,201,453
OCO operations - transfer from title II		330,000
1B2B SHIP OPERATIONS SUPPORT & TRAINING	19,627	19,627
1B4B SHIP DEPOT MAINTENANCE	2,483,179	2,483,179
1C1C COMBAT COMMUNICATIONS	58,886	58,886
1C3C SPACE SYSTEMS AND SURVEILLANCE	4,400	4,400
1C4C WARFARE TACTICS	21,550	21,550
1C5C OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	21,104	21,104
1C6C COMBAT SUPPORT FORCES	611,936	611,936
1C7C EQUIPMENT MAINTENANCE	11,433	11,433
1D4D WEAPONS MAINTENANCE	371,611	371,611
1D7D OTHER WEAPONS SYSTEMS SUPPORT	9,598	9,598

119B

O-1	Budget Request	Final Bill
BSM1 FACILITIES SUSTAINMENT, RESTORATION AND	31,898	31,898
BSS1 BASE OPERATING SUPPORT	230,246	230,246
2B2B SHIP ACTIVATIONS/INACTIVATIONS	1,869	1,869
2C1H EXPEDITIONARY HEALTH SERVICE SYSTEM	11,905	11,905
2C3H COAST GUARD SUPPORT Coast Guard funded in Department of Homeland Security Appropriations Act	161,885	0 -161,885
3B1K SPECIALIZED SKILL TRAINING	43,369	43,369
4A1M ADMINISTRATION	3,217	3,217
4A4M MILITARY MANPOWER AND PERSONNEL MANAGEMENT	7,356	7,356
4B1N SERVICEWIDE TRANSPORTATION	67,938	67,938
4B3N ACQUISITION AND PROGRAM MANAGEMENT	9,446	9,446
4C1P INVESTIGATIONS AND SECURITY PROGRAMS	1,528	1,528
999 CLASSIFIED PROGRAMS	12,751	12,751
<b>TOTAL, OPERATION AND MAINTENANCE, NAVY</b>	<b>5,951,289</b>	<b>6,449,404</b>
<b>OPERATION AND MAINTENANCE, MARINE CORPS</b>		
1A1A OPERATIONAL FORCES OCO operations - transfer from title II	720,013	800,175 80,162
1A2A FIELD LOGISTICS	256,536	256,536
1A3A DEPOT MAINTENANCE	52,000	52,000
BSS1 BASE OPERATING SUPPORT OCO operations - transfer from title II	17,529	197,529 180,000
3B4D TRAINING SUPPORT	29,421	29,421
4A3G SERVICEWIDE TRANSPORTATION	62,225	62,225
999 OTHER PROGRAMS	3,650	3,650
<b>TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS</b>	<b>1,141,374</b>	<b>1,401,536</b>
<b>OPERATION AND MAINTENANCE, AIR FORCE</b>		
011A PRIMARY COMBAT FORCES OCO operations - transfer from title II	248,235	338,235 90,000

(1190)

O-1	Budget Request	Final Bill
011C COMBAT ENHANCEMENT FORCES	1,394,962	1,394,962
011D AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)	5,450	5,450
011M DEPOT MAINTENANCE OCO operations - transfer from title II	699,860	979,860 280,000
011R FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	113,131	113,131
011W CONTRACTOR LOGISTICS SUPPORT AND SYSTEM Remove one-time fiscal year 2017 costs Unjustified growth	2,039,551	1,997,151 -7,400 -35,000
011Y FLYING HOUR PROGRAM OCO operations - transfer from title II	2,059,363	2,339,363 280,000
011Z BASE SUPPORT	1,088,946	1,088,946
012A GLOBAL C3I AND EARLY WARNING	15,274	15,274
012C OTHER COMBAT OPS SPT PROGRAMS	198,090	198,090
012F TACTICAL INTEL AND OTHER SPECIAL ACTIVITIES	58,098	58,098
013A LAUNCH FACILITIES	385	385
013C SPACE CONTROL SYSTEMS	22,020	22,020
015C MISSION OPERATIONS - USNORTHCOM	381	381
015D MISSION OPERATIONS - USSTRATCOM	698	698
015E MISSION OPERATIONS - USCYBERCOM	35,239	35,239
015F MISSION OPERATIONS - USCENTCOM	159,520	159,520
015G MISSION OPERATIONS - USSOCOM	19,000	19,000
021A AIRLIFT OPERATIONS	1,430,316	1,430,316
021D MOBILIZATION PREPAREDNESS	213,827	213,827
031A OFFICER ACQUISITION	300	300
031B RECRUIT TRAINING	298	298
031D RESERVE OFFICER TRAINING CORPS	90	90
032A SPECIALIZED SKILL TRAINING	25,675	25,675
032B FLIGHT TRAINING	879	879

119D

O-1	Budget Request	Final Bill
032C PROFESSIONAL DEVELOPMENT EDUCATION	1,114	1,114
032D TRAINING SUPPORT	1,426	1,426
041A LOGISTICS OPERATIONS	151,847	151,847
041B TECHNICAL SUPPORT ACTIVITIES	8,744	8,744
042A ADMINISTRATION	6,583	6,583
042B SERVICEWIDE COMMUNICATIONS	129,508	129,508
042G OTHER SERVICEWIDE ACTIVITIES	84,110	84,110
043A SECURITY PROGRAMS	53,255	53,255
044A INTERNATIONAL SUPPORT	120	120
<b>TOTAL, OPERATION AND MAINTENANCE, AIR FORCE</b>	<b>10,266,295</b>	<b>10,873,895</b>
<b>OPERATION AND MAINTENANCE, DEFENSE-WIDE</b>		
1PL1 JOINT CHIEFS OF STAFF	4,841	4,841
1PL2 SPECIAL OPERATIONS COMMAND	3,305,234	3,197,627
Maintenance - unjustified growth		-33,007
Combat development activities - classified adjustment		-5,600
Combat development activities - one-time increase		-43,000
Flight operations - contract services		-4,400
Flight operations - contractor logistics services		-3,600
Maintenance - one-time increase		-18,000
4GT6 DEFENSE CONTRACT AUDIT AGENCY	9,853	9,853
4GT0 DEFENSE CONTRACT MANAGEMENT AGENCY	21,317	21,317
4GT9 DEFENSE INFORMATION SYSTEMS AGENCY	64,137	64,137
4GTA DEFENSE LEGAL SERVICES	115,000	115,000
ES18 DEFENSE MEDIA ACTIVITY	13,255	13,255
4GTJ DEPARTMENT OF DEFENSE EDUCATION AGENCY	31,000	31,000
4GTD DEFENSE SECURITY COOPERATION AGENCY	2,312,000	1,887,000
Program reduction - Lift and Sustain		-175,000
Transfer to Section 9014		-150,000
Program reduction - Building Partnership Capacity		-100,000
<b>DEFENSE THREAT REDUCTION AGENCY</b>		<b>314,558</b>
Transfer from title IX JITDF		314,558
4GTN OFFICE OF THE SECRETARY OF DEFENSE	34,715	34,715

(119E)

O-1	Budget Request	Final Bill
4GTQ WASHINGTON HEADQUARTERS SERVICE	3,179	3,179
9999 OTHER PROGRAMS	1,878,713	1,878,713
<b>TOTAL, OPERATION AND MAINTENANCE, DEFENSE-WIDE</b>	<b>7,793,244</b>	<b>7,575,195</b>
<b>OPERATION AND MAINTENANCE, ARMY RESERVE</b>		
113 ECHELONS ABOVE BRIGADE	4,179	4,179
115 LAND FORCES OPERATIONS SUPPORT	2,132	2,132
121 FORCES READINESS OPERATIONS SUPPORT	779	779
131 BASE OPERATIONS SUPPORT	17,609	17,609
<b>TOTAL, OPERATION AND MAINTENANCE, ARMY RESERVE</b>	<b>24,699</b>	<b>24,699</b>
<b>OPERATION AND MAINTENANCE, NAVY RESERVE</b>		
1A5A AIRCRAFT DEPOT MAINTENANCE	14,964	14,964
1C6C COMBAT SUPPORT FORCES	9,016	9,016
<b>TOTAL, OPERATION AND MAINTENANCE, NAVY RESERVE</b>	<b>23,980</b>	<b>23,980</b>
<b>OPERATION AND MAINTENANCE, MARINE CORPS RESERVE</b>		
1A1A OPERATING FORCES	2,548	2,548
BSS1 BASE OPERATING SUPPORT	819	819
<b>TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS</b>	<b>3,367</b>	<b>3,367</b>
<b>OPERATION AND MAINTENANCE, AIR FORCE RESERVE</b>		
011M DEPOT MAINTENANCE	52,323	47,323
Program decrease not fully accounted		-5,000
011Z BASE OPERATING SUPPORT	6,200	6,200
<b>TOTAL, OPERATION AND MAINTENANCE, AIR FORCE RESERVE</b>	<b>58,523</b>	<b>53,523</b>
<b>OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD</b>		
111 MANEUVER UNITS	41,731	41,731
112 MODULAR SUPPORT BRIGADES	762	762
113 ECHELONS ABOVE BRIGADE	11,855	11,855
114 THEATER LEVEL ASSETS	204	204

O-1	Budget Request	Final Bill
116 AVIATION ASSETS	27,583	27,583
121 FORCE READINESS OPERATIONS SUPPORT	5,792	5,792
131 BASE OPERATIONS SUPPORT	18,507	18,507
133 MANAGEMENT AND OPERATIONAL HEADQUARTERS	937	937
432 SERVICEWIDE COMMUNICATIONS	740	740
<b>TOTAL, OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD</b>	<b>108,111</b>	<b>108,111</b>
<b>OPERATION AND MAINTENANCE, AIR NATIONAL GUARD</b>		
011G MISSION SUPPORT OPERATIONS	3,468	3,468
011Z BASE SUPPORT	11,932	11,932
<b>TOTAL, OPERATION AND MAINTENANCE, AIR NATIONAL GUARD</b>	<b>15,400</b>	<b>15,400</b>
<b>AFGHANISTAN SECURITY FORCES FUND</b>		
<b>Defense Forces</b>	<b>3,771,758</b>	<b>3,632,758</b>
Sustainment	2,660,855	2,558,855
ANA combat force sustainment - insufficient budget justification		-30,000
Secure communications - excess forward financing		-47,000
Night vision device maintenance - excess forward financing		-15,000
Site improvement and minor construction - unjustified growth		-10,000
Infrastructure	21,000	21,000
Equipment and Transportation	684,786	684,786
Training and Operations	405,117	368,117
Out of country fixed-wing pilot training - insufficient budget justification		-18,000
ASFF training program - insufficient budget justification		-9,000
MOD advisors - unjustified growth		-10,000
<b>Interior Forces</b>	<b>1,165,757</b>	<b>1,034,057</b>
Sustainment	955,574	823,874
Police salaries - unjustified growth		-69,700
National maintenance strategy - contract savings		-62,000
Infrastructure	39,595	39,595
Equipment and Transportation	75,976	75,976
Training and Operations	94,612	94,612
<b>TOTAL, AFGHANISTAN SECURITY FORCES FUND</b>	<b>4,937,515</b>	<b>4,666,815</b>
<b>COUNTER-ISIS TRAIN AND EQUIP FUND</b>		
COUNTER-ISIS TRAIN AND EQUIP FUND	1,769,000	1,769,000
<b>TOTAL, COUNTER-ISIS TRAIN AND EQUIP FUND</b>	<b>1,769,000</b>	<b>1,769,000</b>
<b>TOTAL, OPERATION AND MAINTENANCE</b>	<b>49,091,691</b>	<b>50,317,919</b>



findings to the congressional defense committees not later than 180 days after the enactment of this Act. Additionally, the Secretary of Defense is directed to provide an accounting of all contracts funded with ASFF, the annual value of each contract, and the ASFF line item that funds each contract, to the congressional defense committees not later than 180 days after the enactment of this Act.

#### AFGHANISTAN SECURITY FORCES FUND BUDGET JUSTIFICATION

The Secretary of Defense is commended for efforts to improve the Afghanistan Security Forces Fund (ASFF) budget justification materials and Financial Activity Plans (FAPs). To further inform budget reviews, the Secretary of Defense is directed to provide budget justification materials that include the budget request amount, the appropriated amount, and the actual obligation amount by line item, for the prior two fiscal years. In addition, concurrent with the submission of each FAP, the Secretary of Defense shall provide the congressional defense committees with line item detail of planned funding movements within ASFF using line item titles from the appropriate year's budget justification submission. Any line item that did not appear in the budget justification submission shall be delineated as a new line item.

#### AFGHAN NATIONAL ARMY UNIFORMS

The House-passed bill included a provision, Section 10004, banning the use of funds provided for the Afghanistan Security Forces Fund to procure uniforms for the Afghan National Army (ANA). The Special Inspector General for Afghanistan Reconstruction reported in June 2017 that the Department of Defense acquired uniforms for the ANA that were not appropriate for use in Afghanistan. The agreement removes

the legislative provision; however, due to underlying concerns of mismanagement by the Department of Defense and the ANA, the Secretary of Defense is directed to provide a report to the congressional defense committees, not later than 90 days after the enactment of this Act, that determines whether current contracting practices for ANA and Afghan National Police uniforms conform to all Federal Acquisition Regulation requirements.

#### COUNTER-LORD'S RESISTANCE ARMY

The Secretary of Defense, in coordination with the Secretary of State, is directed to provide a report on the lessons learned from Operation Observant Compass, including in the area of civil-military coordination, and an assessment of how these lessons are being institutionalized and applied to other complex crises. The report shall be provided to the congressional defense and foreign relations committees not later than 270 days after the enactment of this Act.

#### SECURITY SECTOR ASSISTANCE STEERING COMMITTEE

The Secretary of Defense, in coordination with the Secretary of State, is directed to provide a report on the activities and progress of the Defense Security Sector Assistance Steering Committee to the congressional defense and foreign relations committees not later than 180 days after the enactment of this Act.

## PROCUREMENT

The agreement provides \$10,424,319,000 for Procurement, as follows:

~~(INSERT PROCUREMENT OCO TABLE)~~ insert 122A-J

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Final Bill
<b>AIRCRAFT PROCUREMENT, ARMY</b>		
4 MQ-1 UAV	87,300	87,300
6 AH-64 APACHE BLOCK IIIA REMAN	39,040	39,040
15 MQ-1 PAYLOAD	41,400	41,400
18 MULTI SENSOR ABN RECON Guardrail ELINT installations ahead of need	33,475	28,875 -4,600
23 EMARSS SEMA MODS	36,000	36,000
27 COMMS, NAV SURVEILLANCE	4,289	4,289
33 CMWS	139,742	139,742
34 COMMON INFRARED COUNTERMEASURES	43,440	43,440
<b>TOTAL, AIRCRAFT PROCUREMENT, ARMY</b>	<b>424,686</b>	<b>420,086</b>
<b>MISSILE PROCUREMENT, ARMY</b>		
5 HELLFIRE Program increase	278,073	328,073 50,000
8 JAVELIN	8,112	8,112
9 TOW 2	3,907	3,907
11 GUIDED MLRS ROCKET Program increase	191,522	241,522 50,000
13 HIMARS	41,000	41,000
14 LMAMS	8,669	8,669
16 ATACMS MODS Program increase	0	50,000 50,000
18 STINGER MODS	28,000	28,000
<b>TOTAL, MISSILE PROCUREMENT, ARMY</b>	<b>559,283</b>	<b>709,283</b>
<b>PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY</b>		
1 BRADLEY PROGRAM	200,000	200,000
2 ARMORED MULTI PURPOSE VEHICLE (AMPV)	253,903	253,903
6 BRADLEY PROGRAM MOD	30,000	30,000

P-1		Budget Request	Final Bill
8	PALADIN INTEGRATED MANAGEMENT (PIM)	125,736	125,736
14	M1 ABRAMS TANK MOD	138,700	138,700
15	ABRAMS UPGRADE PROGRAM	442,800	442,800
TOTAL, PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY		1,191,139	1,191,139
PROCUREMENT OF AMMUNITION, ARMY			
3	CTG, HANDGUN, ALL TYPES	5	5
4	CTG, .50 CAL, ALL TYPES	121	121
5	CTG, 20MM, ALL TYPES	1,605	1,605
7	CTG, 30MM, ALL TYPES	35,000	35,000
15	PROJ 15MM EXTENDED RANGE M982	23,234	23,234
16	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL	20,023	20,023
17	MINES AND CLEARING CHARGES, ALL TYPES	11,615	11,615
19	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	25,000	25,000
20	ROCKET, HYDRA 70, ALL TYPES APKWS previously funded	75,820	74,220 -1,600
24	SIGNALS, ALL TYPES	1,013	1,013
TOTAL, PROCUREMENT OF AMMUNITION, ARMY		193,436	191,836
OTHER PROCUREMENT, ARMY			
10	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	25,874	25,874
12	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV	38,628	38,628
14	MODIFICATION OF IN SVC EQUIP	64,647	64,647
15	MINE-RESISTANT AMBUSH-PROTECTED (MRAP) MODS	17,508	17,508
20	SIGNAL MODERNIZATION PROGRAM	4,900	4,900
41	TRACTOR RIDE	1,000	1,000
62	INSTALLATION INFO INFRASTRUCTURE MOD	2,500	2,500
68	DCGS-A	39,515	39,515
70	TROJAN	21,310	21,310

P-1	Budget Request	Final Bill
71 MOD OF IN-SVC EQUIP (INTEL SPT)	2,300	2,300
72 CI HUMINT AUTO REPORTING AND COLL (CHARCS)	14,460	14,460
75 BIOMETRIC TACTICAL COLLECTION DEVICES	5,180	5,180
80 FAMILY OF PERSISTENT SURVEILLANCE CAPABILITIES	16,935	16,935
81 COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES	18,874	18,874
84 NIGHT VISION DEVICES	377	377
85 SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	60	60
87 INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	57,500	57,500
93 MOD OF IN-SVC EQUIP (LLDR)	3,974	3,974
95 MORTAR FIRE CONTROL SYSTEM	2,947	2,947
98 AIR & MISSILE DEFENSE PLANNING & CONTROL SYSTEM	9,100	9,100
119 BASE DEFENSE SYSTEM	3,726	3,726
136 HEATERS AND ECU'S	270	270
142 FIELD FEEDING EQUIPMENT	145	145
143 CARGO AERIAL DELIVERY & PERSONNEL PARACHUTE SYSTEM	1,980	1,980
148 COMBAT SUPPORT MEDICAL	25,690	25,690
149 MOBILE MAINTENANCE EQUIPMENT SYSTEMS	1,124	1,124
153 HYDRAULIC EXCAVATOR	3,850	3,850
157 HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)	1,932	1,932
164 GENERATORS AND ASSOCIATED EQUIPMENT	569	569
168 TRAINING DEVICES, NONSYSTEM	2,700	2,700
173 INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	7,500	7,500
176 RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	8,500	8,500
<b>TOTAL, OTHER PROCUREMENT, ARMY</b>	<b>405,575</b>	<b>405,575</b>

1220

P-1	Budget Request	Final Bill
<b>AIRCRAFT PROCUREMENT, NAVY</b>		
27 STUASL0 UAV	3,900	3,900
34 H-53 SERIES	950	950
35 SH-60 SERIES	15,382	15,382
37 EP-3 SERIES	7,220	7,220
47 SPECIAL PROJECT AIRCRAFT	19,855	19,855
51 COMMON ECM EQUIPMENT	75,530	75,530
62 QRC	15,150	15,150
64 SPARES AND REPAIR PARTS	18,850	18,850
66 AIRCRAFT INDUSTRIAL FACILITIES	463	463
<b>TOTAL, AIRCRAFT PROCUREMENT, NAVY</b>	<b>157,300</b>	<b>157,300</b>
<b>WEAPONS PROCUREMENT, NAVY</b>		
3 TOMAHAWK	100,086	81,630
Unit cost growth		-18,456
7 STANDARD MISSILE	35,208	32,285
Unit cost growth		-2,923
11 HELLFIRE	8,771	8,771
12 LASER MAVERICK	5,040	5,040
17 ESSM	1,768	1,768
35 SMALL ARMS AND WEAPONS	1,500	1,500
<b>TOTAL, WEAPONS PROCUREMENT, NAVY</b>	<b>152,373</b>	<b>130,994</b>
<b>PROCUREMENT OF AMMO, NAVY &amp; MARINE CORPS</b>		
1 GENERAL PURPOSE BOMBS	74,021	74,021
2 JDAM	106,941	106,941
3 AIRBORNE ROCKETS, ALL TYPES	1,184	1,184
7 AIR EXPENDABLE COUNTERMEASURES	15,700	15,700
8 JATOS	540	540
12 OTHER SHIP GUN AMMUNITION	19,689	17,945
JAVELIN unit cost growth		-1,744

P-1	Budget Request	Final Bill
13 SMALL ARMS & LANDING PARTY AMMO	1,963	1,963
14 PYROTECHNIC AND DEMOLITION	765	765
16 AMMUNITION LESS THAN \$5 MILLION	866	866
20 MORTARS	1,290	0
Insufficient budget justification - base requirement		-1,290
23 DIRECT SUPPORT MUNITIONS	1,355	1,355
24 INFANTRY WEAPONS AMMUNITION	1,854	1,854
33 ARTILLERY MUNITIONS	10,272	10,272
<b>TOTAL, PROCUREMENT OF AMMO, NAVY &amp; MARINE CORPS</b>	<b>236,440</b>	<b>233,406</b>
<b>OTHER PROCUREMENT, NAVY</b>		
25 UNDERWATER EOD PROGRAMS	12,348	12,348
32 STANDARD BOATS	18,000	18,000
46 SSN ACOUSTIC EQUIPMENT	43,500	43,500
78 NAVAL MISSION PLANNING SYSTEMS	2,550	2,550
80 TACTICAL/MOBILE C4I SYSTEMS	7,900	7,900
81 DCGS-N	6,392	6,392
101 CRYPTOLOGIC COMMUNICATIONS EQUIPMENT	5,380	5,380
119 AVIATION SUPPORT EQUIPMENT	29,245	29,245
121 SHIP MISSILE SUPPORT EQUIPMENT	2,436	2,436
126 EXPLOSIVE ORDNANCE DISPOSAL EQUIPMENT	60,370	48,170
Joint CREW unit cost growth		-12,200
132 GENERAL PURPOSE TRUCKS	496	496
134 FIRE FIGHTING EQUIPMENT	2,304	2,304
135 TACTICAL VEHICLES	2,336	2,336
141 SUPPLY EQUIPMENT	164	164
143 FIRST DESTINATION TRANSPORTATION	420	420
147 COMMAND SUPPORT EQUIPMENT	21,650	21,650
152 OPERATING FORCES SUPPORT EQUIPMENT	15,800	15,800

(122E)



P-1	Budget Request	Final Bill
154 ENVIRONMENTAL SUPPORT EQUIPMENT	1,000	1,000
155 PHYSICAL SECURITY EQUIPMENT	15,890	15,890
161 SPARES AND REPAIR PARTS	1,178	1,178
999 CLASSIFIED PROGRAMS	2,200	2,200
<b>TOTAL, OTHER PROCUREMENT, NAVY</b>	<b>251,559</b>	<b>239,359</b>

**PROCUREMENT, MARINE CORPS**

6 HIGH MOBILITY ARTILLERY ROCKET SYSTEM	5,360	5,360
11 JAVELIN	2,833	2,529
Unit cost growth		-304
12 FOLLOW ON TO SMAW	49	0
Unjustified request		-49
13 ANTI-ARMOR WEAPONS SYSTEM HEAVY (AAWS-H)	5,024	4,460
Unit cost growth		-564
17 REPAIR AND TEST EQUIPMENT	8,241	8,241
19 MODIFICATION KITS	750	750
20 ITEMS UNDER \$5 MILLION (COMM AND ELEC)	200	200
24 RQ-21 UAS	8,400	8,400
26 FIRE SUPPORT SYSTEM	50	0
Unjustified request		-50
27 INTELLIGENCE SUPPORT EQUIPMENT	3,000	3,000
37 COMMAND POST SYSTEMS	5,777	5,777
38 RADIO SYSTEMS	4,590	4,590
53 EOD SYSTEMS	21,000	21,000
<b>TOTAL, PROCUREMENT, MARINE CORPS</b>	<b>65,274</b>	<b>64,307</b>

**AIRCRAFT PROCUREMENT, AIR FORCE**

17 MQ-9	271,080	72,968
Transfer 12 aircraft to title III		-198,112
33 C-17	26,850	0
RTIC procurement funding ahead of need		-26,850
48 C-130J MODS	8,400	5,822
Installation funding ahead of need		-2,578

122F

P-1	Budget Request	Final Bill
51 COMPASS CALL MODS	56,720	56,720
56 E-8	3,000	3,000
62 HC/MC-130 MODS Installation funding ahead of need	153,080	143,780 -9,300
63 OTHER AIRCRAFT	10,381	10,381
65 MQ-9 MODS	56,400	56,400
67 INITIAL SPARES/REPAIR PARTS	129,450	129,450
68 AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	25,417	25,417
<b>TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE</b>	<b>740,778</b>	<b>503,938</b>
<b>MISSILE PROCUREMENT, AIR FORCE</b>		
6 HELLFIRE Program increase	294,480	344,480 50,000
7 SMALL DIAMETER BOMB Price adjustment Program increase	90,920	127,220 -13,700 50,000
11 AGM-65D MAVERICK	10,000	10,000
<b>TOTAL, MISSILE PROCUREMENT, AIR FORCE</b>	<b>395,400</b>	<b>481,700</b>
<b>SPACE PROCUREMENT, AIR FORCE</b>		
10 MILSATCOM	2,256	2,256
<b>TOTAL, SPACE PROCUREMENT, AIR FORCE</b>	<b>2,256</b>	<b>2,256</b>
<b>PROCUREMENT OF AMMUNITION, AIR FORCE</b>		
1 ROCKETS	49,050	49,050
2 CARTRIDGES	11,384	11,384
6 JOINT DIRECT ATTACK MUNITION Program increase	390,577	440,577 50,000
15 FLARES	3,498	3,498
16 FUZES	47,000	47,000
<b>TOTAL, PROCUREMENT OF AMMUNITION, AIR FORCE</b>	<b>501,509</b>	<b>551,509</b>

(1229)

P-1	Budget Request	Final Bill
<b>OTHER PROCUREMENT, AIR FORCE</b>		
1 PASSENGER CARRYING VEHICLES	3,855	3,855
4 CARGO AND UTILITY VEHICLES	1,882	1,882
5 SECURITY AND TACTICAL VEHICLES	1,100	1,100
6 SPECIAL PURPOSE VEHICLES	32,479	32,479
7 FIRE FIGHTING/CRASH RESCUE VEHICLES	22,583	22,583
8 MATERIALS HANDLING VEHICLES	5,353	5,353
9 RUNWAY SNOW REMOVAL & CLEANING EQUIP	11,315	11,315
10 BASE MAINTENANCE SUPPORT VEHICLES	40,451	40,451
13 INTERNATIONAL INTEL TECH & ARCHITECTURES	8,873	8,873
15 INTELLIGENCE COMM EQUIPMENT	2,000	2,000
16 AIR TRAFFIC CONTROL & LANDING SYSTEMS	56,500	37,000
Unit cost growth		-3,000
D-RAPCON program delay		-16,500
19 THEATER AIR CONTROL SYSTEM IMPROVEMENTS	4,970	0
Installations ahead of need		-4,970
29 AIR FORCE PHYSICAL SECURITY SYSTEM	3,000	0
Unjustified growth		-3,000
48 BASE COMM INFRASTRUCTURE	55,000	55,000
51 ITEMS LESS THAN \$5 MILLION	8,469	8,469
53 BASE PROCURED EQUIPMENT	7,500	0
Unjustified growth		-7,500
54 ENGINEERING AND EOD EQUIPMENT	80,427	40,000
JCREW excess to need		-40,427
56 ITEMS LESS THAN \$5 MILLION	110,405	110,405
58 DARP RC-135	700	700
59 DCGS-AF	9,200	9,200
999 CLASSIFIED PROGRAMS	3,542,825	2,933,925
Classified adjustment		-608,900
<b>TOTAL, OTHER PROCUREMENT, AIR FORCE</b>	<b>4,008,887</b>	<b>3,324,590</b>

(122H)

P-1	Budget Request	Final Bill
<b>PROCUREMENT, DEFENSE-WIDE</b>		
8 TELEPORT PROGRAM	1,979	1,979
18 DEFENSE INFORMATION SYSTEMS NETWORK	12,000	12,000
26 OTHER MAJOR EQUIPMENT Transfer from title IX JITDF	0	5,200 5,200
46 MANNED ISR	15,900	15,900
47 MC-12	20,000	20,000
50 UNMANNED ISR Group 2 pricing adjustment	38,933	32,533 -6,400
51 NON-STANDARD AVIATION	9,600	9,600
52 U-28 Program increase - combat loss replacement	8,100	22,930 14,830
53 MH-47 CHINOOK	10,270	10,270
57 MQ-9 UAV	19,780	19,780
61 C-130 MODS	3,750	3,750
63 ORDNANCE ITEMS <\$5M	62,643	62,643
64 INTELLIGENCE SYSTEMS	12,000	12,000
69 TACTICAL VEHICLES	38,527	38,527
70 WARRIOR SYSTEMS <\$5M	20,215	20,215
73 OPERATIONAL ENHANCEMENTS INTELLIGENCE	7,134	7,134
75 OPERATIONAL ENHANCEMENTS Program decrease - classified	193,542	178,927 -14,615
999 CLASSIFIED PROGRAMS	43,653	43,653
<b>TOTAL, PROCUREMENT, DEFENSE-WIDE</b>	<b>518,026</b>	<b>517,041</b>
<b>NATIONAL GUARD &amp; RESERVE EQUIPMENT</b>		
<b>RESERVE EQUIPMENT</b>		
ARMY RESERVE	0	169,000
MISCELLANEOUS EQUIPMENT		169,000
NAVY RESERVE	0	65,000
MISCELLANEOUS EQUIPMENT		65,000

(122I)

P-1	Budget Request	Final Bill
MARINE CORPS RESERVE MISCELLANEOUS EQUIPMENT	0	13,000 13,000
AIR FORCE RESERVE MISCELLANEOUS EQUIPMENT	0	195,000 195,000
TOTAL, RESERVE EQUIPMENT	0	442,000
NATIONAL GUARD EQUIPMENT		
ARMY NATIONAL GUARD MISCELLANEOUS EQUIPMENT	0	429,000 429,000
AIR NATIONAL GUARD MISCELLANEOUS EQUIPMENT	0	429,000 429,000
TOTAL, NATIONAL GUARD EQUIPMENT	0	858,000
TOTAL, NATIONAL GUARD & RESERVE EQUIPMENT	0	1,300,000
TOTAL PROCUREMENT	9,803,921	10,424,319

(1225)

## NATIONAL GUARD AND RESERVE EQUIPMENT

The agreement provides \$1,300,000,000 for National Guard and Reserve Equipment. Of that amount \$429,000,000 is designated for the Army National Guard; \$429,000,000 for the Air National Guard; \$169,000,000 for the Army Reserve; \$65,000,000 for the Navy Reserve; \$13,000,000 for the Marine Corps Reserve; and \$195,000,000 for the Air Force Reserve.

This funding will allow the reserve components to procure high priority equipment that may be used for combat and domestic response missions. Current reserve component equipping levels are among the highest in recent history and the funding provided by the agreement will help ensure component interoperability and sustained reserve component modernization.

The Secretary of Defense is directed to ensure that the account be executed by the Chiefs of the National Guard and reserve components with priority consideration given to the following items: acoustic hailing devices, active electronically scanned array radars, advanced cargo handling systems for CH-47s, advanced targeting pods, combat uniforms and cold weather protective clothing, crashworthy ballistically tolerant auxiliary internal and external fuel systems, digital radar warning receivers for F-16s, electromagnetic in-flight propeller balance systems, joint threat emitters, large aircraft infrared countermeasures, modular container systems for palletized cargo, modular and self-contained ranges, MQ-9 deployable launch and recovery element mission support kits, portable high frequency radios and antennas, radar warning receivers for C-17s, radiac sets, satellite broadband for aircraft, commercial-off-the-shelf training systems/simulators – including for small arms simulation, sun shades, unmanned systems for rapid emergency search and rescue support, unstabilized gunnery crew and small arms trainers, and wireless mobile mesh self-healing network systems.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION

The agreement provides \$926,937,000 for Research, Development, Test and Evaluation, as follows:

~~(INSERT RDTE OCO TABLE)~~

Insert 124A-B

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

R-1	Budget Request	Final Bill
<b>RESEARCH, DEVELOPMENT, TEST &amp; EVALUATION, ARMY</b>		
33 COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY Program increase	0	6,000 6,000
55 AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	15,000	15,000
60 SOLDIER SUPPORT AND SURVIVABILITY	3,000	3,000
122 TRACTOR TIRE	5,000	5,000
125 COMMON INFRARED COUNTERMEASURES	21,540	21,540
133 AIRCRAFT SURVIVABILITY DEVELOPMENT Program increase - limited interim missile warning system to detect enemy MANPADS	30,100	140,100 110,000
147 TROJAN - RH12	1,200	1,200
203 MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT	15,000	15,000
222 TACTICAL UAV	7,492	7,492
223 AIRBORNE RECONNAISSANCE SYSTEMS	15,000	15,000
228 BIOMETRICS ENABLED INTELLIGENCE	6,036	6,036
<b>TOTAL, RESEARCH, DEVELOPMENT, TEST &amp; EVALUATION, ARMY</b>	<b>119,368</b>	<b>235,368</b>
<b>RESEARCH, DEVELOPMENT, TEST &amp; EVALUATION, NAVY</b>		
41 RETRACT LARCH	22,000	22,000
61 JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	29,700	29,700
75 LAND ATTACK TECHNOLOGY	2,100	2,100
81 TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM)	5,710	5,710
103 WARFARE SUPPORT SYSTEM	5,400	5,400
207 INTEGRATED SURVEILLANCE SYSTEM	11,600	11,600
211 CRYPTOLOGIC DIRECT SUPPORT	1,200	1,200
999 CLASSIFIED PROGRAMS	89,855	89,855
<b>TOTAL, RESEARCH, DEVELOPMENT, TEST &amp; EVALUATION, NAVY</b>	<b>167,565</b>	<b>167,565</b>



R-1	Budget Request	Final Bill
<b>RESEARCH, DEVELOPMENT, TEST &amp; EVALUATION, AIR FORCE</b>		
29 SPACE CONTROL TECHNOLOGY Transfer to line 62	7,800	0 -7,800
53 CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	5,400	5,400
62 SPACE CONTROL TECHNOLOGY Transfer from line 29	0	7,800 7,800
196 ISR INNOVATIONS Insufficient budget justification	5,750	0 -5,750
214 AF OFFENSIVE CYBER OPERATIONS	4,000	4,000
999 CLASSIFIED PROGRAMS	112,408	112,408
<b>TOTAL, RESEARCH, DEVELOPMENT, TEST &amp; EVALUATION, AIR FORCE</b>	<b>135,358</b>	<b>129,608</b>
<b>RESEARCH, DEVELOPMENT, TEST &amp; EVALUATION, DEFENSE-WIDE</b>		
24 COMBATING TERRORISM TECHNOLOGY SUPPORT	25,000	25,000
253 OPERATIONAL ENHANCEMENTS	1,920	1,920
256 UNMANNED ISR	3,000	3,000
999 CLASSIFIED PROGRAMS	196,176	196,176
XX JOINT IMPROVISED-THREAT DEFEAT ORGANIZATION Transfer from title IX JITDF Program increase - airborne detection	0	168,300 163,300 5,000
<b>TOTAL, RESEARCH, DEVELOPMENT, TEST &amp; EVALUATION, DEFENSE-WIDE</b>	<b>226,096</b>	<b>394,396</b>
<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVALUATION</b>	<b>648,387</b>	<b>926,937</b>

124B

## REVOLVING AND MANAGEMENT FUNDS

The agreement provides \$148,956,000 for Revolving and Management Funds, as follows:

### EXPLANATION OF PROJECT LEVEL ADJUSTMENTS [In thousands of dollars]

	Budget Request	Final Bill
WORKING CAPITAL FUND, ARMY	50,111	50,111
WORKING CAPITAL FUND, DEFENSE-WIDE	98,845	98,845
<b>TOTAL, DEFENSE WORKING CAPITAL FUNDS</b>	<b>148,956</b>	<b>148,956</b>

OTHER DEPARTMENT OF DEFENSE PROGRAMS

DEFENSE HEALTH PROGRAM

The agreement provides \$395,805,000 for the Defense Health Program, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

	Budget Request	Final Bill
IN-HOUSE CARE	61,857	61,857
PRIVATE SECTOR CARE	331,968	331,968
CONSOLIDATED HEALTH SUPPORT	1,980	1,980
TOTAL, OPERATION AND MAINTENANCE	395,805	395,805

DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE

The agreement provides \$196,300,000 for Drug Interdiction and Counter-drug Activities, Defense.

## JOINT IMPROVISED-THREAT DEFEAT FUND

The agreement does not recommend funding for the Joint Improvised-Threat Defeat Fund. Requested funding has been transferred, as follows:

### EXPLANATION OF PROJECT LEVEL ADJUSTMENTS [In thousands of dollars]

	Budget Request	Final Bill
<b>Terminate JOINT IMPROVISED-THREAT DEFEAT FUND</b>	<b>483,058</b>	<b>0</b>
Terminate JITDF and transfer to title IX OM,DW		-314,558
Terminate JITDF and transfer to title IX P,DW		-5,200
Terminate JITDF and transfer to title IX RDTE,DW		-163,300
<b>TOTAL, JOINT IMPROVISED-THREAT DEFEAT FUND</b>	<b>483,058</b>	<b>0</b>

### TRANSFER AUTHORITY FOR THE JOINT IMPROVISED-THREAT DEFEAT ORGANIZATION

The agreement includes \$314,558,000 in Operation and Maintenance, Defense-Wide; \$5,200,000 in Procurement, Defense-Wide; and \$168,300,000 in Research, Development, Test and Evaluation, Defense-Wide overseas contingency operations appropriations accounts for the Joint Improvised-Threat Defeat Organization (JIDO). At the Director, JIDO's request, the distribution of funds among appropriation accounts has been adjusted based on JIDO's revised execution plans for fiscal year 2018, as briefed to the House and Senate Defense Appropriations Subcommittees in the first quarter of fiscal year 2018. Further, funds are not delineated by project within each appropriation, providing the Director, JIDO significant discretion to meet the requirements pursuant to JIDO's mission. Should the Director, JIDO identify requirements necessitating the transfer of funds between appropriation accounts, the Under Secretary of Defense

(Comptroller) is directed to expedite any such transfer as a stand-alone reprogramming action in accordance with congressional guidance.

## OFFICE OF THE INSPECTOR GENERAL

The agreement provides \$24,692,000 for the Office of the Inspector General.

### GENERAL PROVISIONS – THIS TITLE

The agreement for title IX incorporates general provisions which were not amended. Those general provisions that were addressed in the agreement are as follows:

#### (TRANSFER OF FUNDS)

The agreement modifies a provision proposed by the House which provides for special transfer authority within title IX.

The agreement includes a provision which provides funds for logistical support to allied forces supporting military and stability operations in Afghanistan and to counter the Islamic State of Iraq and Syria. The House bill contained a similar provision.

The agreement retains a provision proposed by the House which provides security assistance to the Government of Jordan.

The agreement modifies a provision proposed by the House which prohibits the use of the Counter-ISIS Train and Equip Fund to procure or transfer man-portable air defense systems.

The agreement modifies a provision proposed by the House which provides assistance and sustainment to the military and national security forces of Ukraine.

The agreement retains a provision proposed by the House related to the replacement of funds for items provided to the Government of Ukraine.

The agreement retains a provision proposed by the House which prohibits the use of assistance and sustainment to the military and national security forces of Ukraine to procure or transfer man-portable air defense systems.

(TRANSFER OF FUNDS)

The agreement modifies a provision proposed by the House which provides funds to the Department of Defense to improve intelligence, surveillance, and reconnaissance capabilities.

The agreement retains a provision proposed by the House which prohibits the use of funds with respect to Syria in contravention of the War Powers Resolution.

The agreement includes a provision which prohibits the use of funds to transfer additional C-130 aircraft to Afghanistan. The House bill contained no similar provision.

(RESCISSIONS)

The agreement modifies a provision proposed by the House recommending rescissions and provides for the rescission of \$2,565,100,000. The rescissions agreed to are:

2017 Appropriations:

Operation and Maintenance, Defense-Wide:

Coalition Support Fund.....\$500,000,000

DSCA security cooperation .....250,000,000

Afghanistan Security Forces Fund:

Afghanistan Security Forces Fund.....100,000,000

Counter-ISIL Train and Equip Fund:

Counter-ISIL Train and Equip Fund.....80,000,000

Other Procurement, Air Force:

Classified program .....25,100,000

No-year Appropriations:

Counter-ISIL Overseas Contingency Operations Transfer Fund:

Counter-ISIL OCOTF .....1,610,000,000

The agreement does not retain a provision proposed by the House which requires the President to designate Overseas Contingency Operations/Global War on Terrorism amounts accordingly.

The agreement modifies a provision proposed by the House which requires the President to submit a report to Congress on his strategy to defeat certain adversary forces.

The agreement adds a provision which requires the Secretary of Defense to certify the use of funds in the Afghanistan Security Forces Fund under certain conditions.



DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
-----					
TITLE I					
MILITARY PERSONNEL					
Military Personnel, Army.....	40,042,962	41,533,674	41,628,855	+1,585,893	+95,181
Military Personnel, Navy.....	27,889,405	28,917,918	28,772,118	+882,713	-145,800
Military Personnel, Marine Corps.....	12,735,182	13,278,714	13,231,114	+495,932	-47,600
Military Personnel, Air Force.....	27,958,795	28,962,740	28,790,440	+831,645	-172,300
Reserve Personnel, Army.....	4,524,863	4,804,628	4,715,608	+190,745	-89,020
Reserve Personnel, Navy.....	1,921,045	2,000,362	1,988,362	+67,317	-12,000
Reserve Personnel, Marine Corps.....	744,795	766,703	764,903	+20,108	-1,800
Reserve Personnel, Air Force.....	1,725,526	1,824,334	1,802,554	+77,028	-21,780
National Guard Personnel, Army.....	7,899,423	8,379,376	8,264,626	+365,203	-114,750
National Guard Personnel, Air Force.....	3,283,982	3,413,187	3,408,817	+124,835	-4,370
-----					
Total, Title I, Military Personnel.....	128,725,978	133,881,636	133,367,397	+4,641,419	-514,239
=====					

133

DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
-----					
TITLE II					
OPERATION AND MAINTENANCE					
Operation and Maintenance, Army.....	32,738,173	38,945,417	38,816,957	+6,078,784	-128,460
Operation and Maintenance, Navy.....	38,552,017	45,439,407	45,384,353	+6,832,336	-55,054
Operation and Maintenance, Marine Corps.....	5,676,152	6,933,408	6,605,546	+929,394	-327,862
Operation and Maintenance, Air Force.....	36,247,724	39,429,232	39,544,193	+3,296,469	+114,961
Operation and Maintenance, Defense-Wide.....	32,373,949	34,585,817	34,059,257	+1,685,308	-526,560
Operation and Maintenance, Army Reserve.....	2,743,688	2,906,842	2,877,104	+133,416	-29,738
Operation and Maintenance, Navy Reserve.....	929,656	1,084,007	1,069,707	+140,051	-14,300
Operation and Maintenance, Marine Corps Reserve.....	271,133	278,837	284,837	+13,704	+6,000
Operation and Maintenance, Air Force Reserve.....	3,069,229	3,267,507	3,202,307	+133,078	-65,200
Operation and Maintenance, Army National Guard.....	6,861,478	7,307,170	7,284,170	+422,692	-23,000
Operation and Maintenance, Air National Guard.....	6,615,095	6,939,968	6,900,798	+285,703	-39,170
United States Court of Appeals for the Armed Forces...	14,194	14,538	14,538	+344	---
Environmental Restoration, Army.....	170,167	215,809	235,809	+65,642	+20,000
Environmental Restoration, Navy.....	289,262	281,415	365,883	+76,621	+84,468
Environmental Restoration, Air Force.....	371,521	293,749	352,549	-18,972	+58,800
Environmental Restoration, Defense-Wide.....	9,009	9,002	19,002	+9,993	+10,000
Environmental Restoration, Formerly Used Defense Sites	222,084	208,673	248,673	+26,589	+40,000
Overseas Humanitarian, Disaster, and Civic Aid.....	123,125	104,900	129,900	+6,775	+25,000
Cooperative Threat Reduction Account.....	325,604	324,600	350,000	+24,396	+25,400
Department of Defense Acquisition Workforce Development Fund.....	---	---	500,000	+500,000	+500,000
-----					
Total, Title II, Operation and maintenance.....	167,603,260	188,570,298	188,245,583	+20,642,323	-324,715
=====					

133

DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
-----					
TITLE III					
PROCUREMENT					
Aircraft Procurement, Army.....	4,587,598	4,149,894	5,535,794	+948,196	+1,385,900
Missile Procurement, Army.....	1,533,804	2,519,054	3,196,910	+1,663,106	+677,856
Procurement of Weapons and Tracked Combat Vehicles, Army.....	2,229,455	2,423,608	4,391,573	+2,162,118	+1,967,965
Procurement of Ammunition, Army.....	1,483,566	1,879,283	2,548,740	+1,065,174	+669,457
Other Procurement, Army.....	6,147,328	6,469,331	8,298,418	+2,151,090	+1,829,087
Aircraft Procurement, Navy 4/.....	16,135,335	14,956,235	19,957,380	+3,822,045	+5,001,145
Weapons Procurement, Navy.....	3,265,285	3,420,107	3,510,590	+245,305	+90,483
Procurement of Ammunition, Navy and Marine Corps.....	633,678	792,345	804,335	+170,657	+11,990
Shipbuilding and Conversion, Navy 4/.....	21,156,886	20,403,607	23,824,738	+2,667,852	+3,421,131
Other Procurement, Navy 4/.....	6,308,919	7,902,864	7,941,018	+1,632,099	+38,154
Procurement, Marine Corps.....	1,307,456	2,064,825	1,942,737	+635,281	-122,088
Aircraft Procurement, Air Force.....	14,253,623	15,430,849	18,504,556	+4,250,933	+3,073,707
Missile Procurement, Air Force.....	2,348,121	2,296,182	2,207,747	-140,374	-88,435
Space Procurement, Air Force.....	2,733,243	3,370,775	3,552,175	+818,932	+181,400
Procurement of Ammunition, Air Force.....	1,589,219	1,376,602	1,651,977	+62,758	+275,375
Other Procurement, Air Force.....	17,768,224	19,603,497	20,503,273	+2,735,049	+899,776
Procurement, Defense-Wide .....	4,881,022	4,835,418	5,429,270	+548,248	+593,852
Defense Production Act Purchases .....	64,065	37,401	67,401	+3,336	+30,000
-----					
Total, Title III, Procurement.....	108,426,827	113,931,877	133,868,632	+25,441,805	+19,936,755
=====					

134

DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
-----					
TITLE IV					
RESEARCH, DEVELOPMENT, TEST AND EVALUATION					
Research, Development, Test and Evaluation, Army.....	8,332,965	9,425,440	10,647,426	+2,314,461	+1,221,986
Research, Development, Test and Evaluation, Navy 4/...	17,214,530	17,650,035	18,010,754	+796,224	+360,719
Research, Development, Test and Evaluation, Air Force.	27,788,548	34,914,359	37,428,078	+9,639,530	+2,513,719
Research, Development, Test and Evaluation, Defense-Wide .....	18,778,550	20,490,902	22,010,975	+3,232,425	+1,520,073
Operational Test and Evaluation, Defense.....	186,994	210,900	210,900	+23,906	---
-----					
Total, Title IV, Research, Development, Test and Evaluation.....	72,301,587	82,691,636	88,308,133	+16,006,546	+5,616,497
=====					
TITLE V					
REVOLVING AND MANAGEMENT FUNDS					
Defense Working Capital Funds.....	1,511,613	1,586,596	1,685,596	+173,983	+99,000
National Defense Sealift Fund.....	---	509,327	---	---	-509,327
-----					
Total, Title V, Revolving and Management Funds..	1,511,613	2,095,923	1,685,596	+173,983	-410,327
=====					
TITLE VI					
OTHER DEPARTMENT OF DEFENSE PROGRAMS					
Defense Health Program					
Operation and maintenance.....	31,277,002	32,095,923	31,521,850	+244,848	-574,073
Procurement.....	402,161	895,328	867,002	+464,841	-28,326
Research, development, test and evaluation.....	2,102,107	673,215	2,039,315	-62,792	+1,366,100
-----					
Total, Defense Health Program 1/ .....	33,781,270	33,664,466	34,428,167	+646,897	+763,701

DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
-----					
Chemical Agents and Munitions Destruction, Defense:					
Operation and maintenance.....	119,985	104,237	104,237	-15,748	---
Procurement.....	15,132	18,081	18,081	+2,949	---
Research, development, test and evaluation.....	388,609	839,414	839,414	+450,805	---
Total, Chemical Agents 2/.....	523,726	961,732	961,732	+438,006	---
-----					
Drug Interdiction and Counter-Drug Activities,					
Defense1/.....	998,800	790,814	934,814	-63,986	+144,000
Joint Improvised-Threat Defeat Fund.....	---	14,442	---	---	-14,442
Joint Urgent Operational Needs Fund.....	---	99,795	---	---	-99,795
Office of the Inspector General 1/.....	312,035	336,887	321,887	+9,852	-15,000
Total, Title VI, Other Department of Defense Programs.....	35,615,831	35,868,136	36,646,600	+1,030,769	+778,464
=====					
TITLE VII					
RELATED AGENCIES					
Central Intelligence Agency Retirement and Disability System Fund.....	514,000	514,000	514,000	---	---
Intelligence Community Management Account (ICMA).....	515,596	532,000	537,600	+22,004	+5,600
Total, Title VII, Related agencies.....	1,029,596	1,046,000	1,051,600	+22,004	+5,600
=====					

136

DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
-----					
TITLE VIII					
GENERAL PROVISIONS					
Additional transfer authority (Sec.8005).....	(4,500,000)	(5,000,000)	(4,250,000)	(-250,000)	(-750,000)
FFRDC (Sec.8024).....	-60,000	---	-131,000	-71,000	-131,000
Rescissions (Sec.8041).....	-2,002,622	---	-942,242	+1,060,380	-942,242
National grants (Sec.8049).....	44,000	---	44,000	---	+44,000
Shipbuilding and conversion, Navy Judgment Fund.....	---	5,000	---	---	-5,000
O&M, Defense-wide transfer authority (Sec.8053).....	(30,000)	(30,000)	(30,000)	---	---
John C. Stennis Center for Public Service Development Trust Fund (O&M, Navy transfer authority) (Sec.8061)	(1,000)	---	(1,000)	---	(+1,000)
Fisher House Foundation (Sec.8069).....	5,000	---	10,000	+5,000	+10,000
Revised economic assumptions (Sec.8077).....	-157,000	---	-4,000	+153,000	-4,000
Defense acquisition workforce development excess cash balances (rescission).....	-531,000	---	---	+531,000	---
Fisher House O&M Army Navy Air Force transfer authority (Sec.8092).....	(11,000)	(11,000)	(11,000)	---	---
Defense Health O&M transfer authority (Sec.8096).....	(122,375)	(115,519)	(115,519)	(-6,856)	---
Working Capital Fund, Army excess cash balances.....	-336,000	---	---	+336,000	---
Revised fuel costs (Sec.8118).....	-1,155,000	---	-110,780	+1,044,220	-110,780
Ship Modernization, Operation, and Sustainment Fund (rescission) .....	-1,391,070	---	---	+1,391,070	---
Operation and Maintenance, Defense-Wide (Department of the Interior Compact Review Agreement) .....	---	123,900	---	---	-123,900
Public Schools on Military Installations (Sec.8127)...	---	---	235,000	+235,000	+235,000
	-----				
Total, Title VIII, General Provisions.....	-5,583,692	128,900	-899,022	+4,684,670	-1,027,922
	=====				

137

DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
-----					
TITLE IX					
OVERSEAS CONTINGENCY OPERATIONS/GLOBAL WAR ON TERRORISM (GWOT)					
Military Personnel					
Military Personnel, Army (GWOT) 5/.....	1,948,648	2,683,694	2,683,694	+735,046	---
Military Personnel, Navy (GWOT).....	327,427	377,857	377,857	+50,430	---
Military Personnel, Marine Corps (GWOT) 5/.....	179,733	103,979	103,979	-75,754	---
Military Personnel, Air Force (GWOT) 5/.....	705,706	914,119	914,119	+208,413	---
Reserve Personnel, Army (GWOT).....	42,506	24,942	24,942	-17,564	---
Reserve Personnel, Navy (GWOT).....	11,929	9,091	9,091	-2,838	---
Reserve Personnel, Marine Corps (GWOT).....	3,764	2,328	2,328	-1,436	---
Reserve Personnel, Air Force (GWOT).....	20,535	20,569	20,569	+34	---
National Guard Personnel, Army (GWOT).....	196,472	184,589	184,589	-11,883	---
National Guard Personnel, Air Force (GWOT).....	5,288	5,004	5,004	-284	---
-----					
Total, Military Personnel (OCO/GWOT).....	3,442,008	4,326,172	4,326,172	+884,164	---
=====					

138

DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
-----					
Operation and Maintenance					
Operation & Maintenance, Army (GWOT) 5/.....	15,693,068	16,998,894	17,352,994	+1,659,926	+354,100
Operation & Maintenance, Navy (GWOT) 5/.....	7,887,349	5,951,289	6,449,404	-1,437,945	+498,115
(Coast Guard) (by transfer) (GWOT).....	---	(161,885)	---	---	(-161,885)
Operation & Maintenance, Marine Corps (GWOT) 5/.....	1,607,259	1,141,374	1,401,536	-205,723	+260,162
Operation & Maintenance, Air Force (GWOT).....	10,556,598	10,266,295	10,873,895	+317,297	+607,600
Operation & Maintenance, Defense-Wide (GWOT) 5/.....	6,476,649	7,793,244	7,575,195	+1,098,546	-218,049
(Coalition support funds) (GWOT).....	(920,000)	---	(1,000,000)	(+80,000)	(+1,000,000)
Operation & Maintenance, Army Reserve (GWOT).....	38,679	24,699	24,699	-13,980	---
Operation & Maintenance, Navy Reserve (GWOT).....	26,265	23,980	23,980	-2,285	---
Operation & Maintenance, Marine Corps Reserve (GWOT)..	3,304	3,367	3,367	+63	---
Operation & Maintenance, Air Force Reserve (GWOT).....	57,586	58,523	53,523	-4,063	-5,000
Operation & Maintenance, Army National Guard (GWOT)...	127,035	108,111	108,111	-18,924	---
Operation & Maintenance, Air National Guard (GWOT)....	20,000	15,400	15,400	-4,600	---
-----					
Subtotal, Operation and Maintenance.....	42,493,792	42,385,176	43,882,104	+1,388,312	+1,496,928
-----					
Afghanistan Security Forces Fund (GWOT).....	4,262,715	4,937,515	4,666,815	+404,100	-270,700
Counter-ISIS Train and Equip Fund (GWOT).....	980,000	1,769,000	1,769,000	+789,000	---
-----					
Total, Operation and Maintenance (OCO/GWOT)...	47,736,507	49,091,691	50,317,919	+2,581,412	+1,226,228
=====					
Procurement					
Aircraft Procurement, Army (GWOT).....	313,171	424,686	420,086	+106,915	-4,600
Missile Procurement, Army (GWOT).....	405,317	559,283	709,283	+303,966	+150,000
Procurement of Weapons and Tracked Combat Vehicles, Army (GWOT)	395,944	1,191,139	1,191,139	+795,195	---
Procurement of Ammunition, Army (GWOT).....	290,670	193,436	191,836	-98,834	-1,600
Other Procurement, Army (GWOT).....	1,343,010	405,575	405,575	-937,435	---
Aircraft Procurement, Navy (GWOT).....	367,930	157,300	157,300	-210,630	---

139



DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
Weapons Procurement, Navy (GWOT).....	8,600	152,373	130,994	+122,394	-21,379
Procurement of Ammunition, Navy and Marine Corps (GWOT) 5/.....	65,380	236,440	233,406	+168,026	-3,034
Other Procurement, Navy (GWOT) 5/.....	99,786	251,559	239,359	+139,573	-12,200
Procurement, Marine Corps (GWOT).....	118,939	65,274	64,307	-54,632	-967
Aircraft Procurement, Air Force (GWOT).....	927,249	740,778	503,938	-423,311	-236,840
Missile Procurement, Air Force (GWOT).....	235,095	395,400	481,700	+246,605	+86,300
Space Procurement, Air Force (GWOT).....	---	2,256	2,256	+2,256	---
Procurement of Ammunition, Air Force (GWOT).....	273,345	501,509	551,509	+278,164	+50,000
Other Procurement, Air Force (GWOT).....	3,529,456	4,008,887	3,324,590	-204,866	-684,297
Procurement, Defense-Wide (GWOT).....	244,184	518,026	517,041	+272,857	-985
National Guard and Reserve Equipment (GWOT) .....	750,000	---	1,300,000	+550,000	+1,300,000
<b>Total, Procurement (OCO/GWOT).....</b>	<b>9,368,076</b>	<b>9,803,921</b>	<b>10,424,319</b>	<b>+1,056,243</b>	<b>+620,398</b>
<b>Research, Development, Test and Evaluation</b>					
Research, Development, Test & Evaluation, Army (GWOT).	100,522	119,368	235,368	+134,846	+116,000
Research, Development, Test & Evaluation, Navy (GWOT)5/.....	78,323	167,565	167,565	+89,242	---
Research, Development, Test & Evaluation, Air Force (GWOT).....	67,905	135,358	129,608	+61,703	-5,750
Research, Development, Test and Evaluation, Defense-Wide (GWOT).....	159,919	226,096	394,396	+234,477	+168,300
Research, Development, Test and Evaluation,					
<b>Total, Research, Development, Test and Evaluation (OCO/GWOT).....</b>	<b>406,669</b>	<b>648,387</b>	<b>926,937</b>	<b>+520,268</b>	<b>+278,550</b>

140

DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
-----					
Revolving and Management Funds					
Defense Working Capital Funds (GWOT).....	140,633	148,956	148,956	+8,323	---
Other Department of Defense Programs					
Defense Health Program:					
Operation & Maintenance (GWOT).....	331,764	395,805	395,805	+64,041	---
Drug Interdiction and Counter-Drug Activities, Defense (GWOT).....	215,333	196,300	196,300	-19,033	---
Joint Improvised-Threat Defeat Fund (GWOT).....	339,472	483,058	---	-339,472	-483,058
Office of the Inspector General (GWOT).....	22,062	24,692	24,692	+2,630	---
-----					
Total, Other Department of Defense Programs (OCO/GWOT).....	908,631	1,099,855	616,797	-291,834	-483,058
=====					
TITLE IX General Provisions					
Additional transfer authority (GWOT) (Sec.9002).....	(2,500,000)	(4,500,000)	(2,250,000)	(-250,000)	(-2,250,000)
Ukraine Security Assistance Initiative (GWOT) (Sec.9013).....	150,000	---	200,000	+50,000	+200,000
Intelligence, Surveillance, and Reconnaissance (GWOT) (Sec.9017).....	500,000	---	770,000	+270,000	+770,000
Rescissions (GWOT) (Sec.9020).....	-819,000	---	-2,565,100	-1,746,100	-2,565,100
Coalition support funds (rescission) (GWOT) .....	-11,524	---	---	+11,524	---
-----					
Total, General Provisions.....	-180,524	---	-1,595,100	-1,414,576	-1,595,100
=====					
Grand Total, Title IX (OCO/GWOT).....	61,822,000	65,118,982	65,166,000	+3,344,000	+47,018
=====					

141

DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
-----					
TITLE X					
ADDITIONAL APPROPRIATIONS (OCO/GWOT)					
Military Personnel					
Military Personnel, Air Force (GWOT).....	131,375	---	---	-131,375	---
Operation and Maintenance					
Operation & Maintenance, Army (GWOT).....	986,754	---	---	-986,754	---
Operation & Maintenance, Navy (GWOT).....	1,772,631	---	---	-1,772,631	---
Operation & Maintenance, Marine Corps (GWOT).....	255,250	---	---	-255,250	---
Operation & Maintenance, Air Force (GWOT).....	1,566,272	---	---	-1,566,272	---
Operation & Maintenance, Defense-Wide (GWOT).....	650,951	---	---	-650,951	---
Operation & Maintenance, Navy Reserve (GWOT).....	3,208	---	---	-3,208	---
Operation & Maintenance, Air Force Reserve (GWOT)....	115,099	---	---	-115,099	---
Operation & Maintenance, Army National Guard (GWOT)...	87,868	---	---	-87,868	---
Operation & Maintenance, Air National Guard (GWOT)....	23,000	---	---	-23,000	---
Counter-ISIL Train and Equip Fund (GWOT).....	626,400	---	---	-626,400	---
Counter-ISIL Overseas Contingency Operations Transfer Fund.....	1,610,000	---	---	-1,610,000	---
-----					
Total, Operation and Maintenance OCO/GWOT Requirements.....	7,697,433	---	---	-7,697,433	---

142

DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
Procurement					
Aircraft Procurement, Army (GWOT).....	316,784	---	---	-316,784	---
Missile Procurement, Army (GWOT).....	579,754	---	---	-579,754	---
Procurement of Weapons and Tracked Combat Vehicles, Army (GWOT).....	61,218	---	---	-61,218	---
Procurement of Ammunition, Army (GWOT).....	447,685	---	---	-447,685	---
Other Procurement, Army (GWOT).....	412,109	---	---	-412,109	---
Aircraft Procurement, Navy (GWOT).....	314,257	---	---	-314,257	---
Weapons Procurement, Navy (GWOT).....	129,000	---	---	-129,000	---
Procurement of Ammunition, Navy and Marine Corps (GWOT).....	103,100	---	---	-103,100	---
Other Procurement, Navy (GWOT).....	151,297	---	---	-151,297	---
Procurement, Marine Corps (GWOT).....	212,280	---	---	-212,280	---
Aircraft Procurement, Air Force (GWOT).....	856,820	---	---	-856,820	---
Space Procurement, Air Force (GWOT).....	19,900	---	---	-19,900	---
Procurement of Ammunition, Air Force (GWOT).....	70,000	---	---	-70,000	---
Other Procurement, Air Force (GWOT).....	1,335,381	---	---	-1,335,381	---
Procurement, Defense-Wide (GWOT).....	510,635	---	---	-510,635	---
Total, Procurement OCO/GWOT Requirements.....					
	5,520,220	---	---	-5,520,220	---

143

DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
<hr style="border-top: 1px dashed black;"/>					
Research, Development, Test and Evaluation					
Research, Development, Test & Evaluation, Army (GWOT)	163,134	---	---	-163,134	---
Research, Development, Test & Evaluation, Navy (GWOT)	248,214	---	---	-248,214	---
Research, Development, Test & Evaluation, Air Force (GWOT)	297,300	---	---	-297,300	---
Research, Development, Test and Evaluation, Defense-Wide (GWOT)	279,185	---	---	-279,185	---
Operational Test and Evaluation, Defense (GWOT)	2,725	---	---	-2,725	---
<b>Total, RDTE OCO/GWOT Requirements</b>	<b>990,558</b>	<b>---</b>	<b>---</b>	<b>-990,558</b>	<b>---</b>
<hr style="border-top: 1px dashed black;"/>					
Revolving and Management Funds					
Defense Working Capital Funds (GWOT)	285,681	---	---	-285,681	---
Other Department of Defense Programs					
Chemical Agents and Munitions Destruction, Defense Research, Development, Test, and Evaluation OCO/GWOT Requirements (GWOT)	127,000	---	---	-127,000	---
TITLE X General Provisions					
Additional transfer authority (GWOT) (Sec.10002)	(250,000)	---	---	(-250,000)	---
<b>Grand Total, Title X (OCO/GWOT)</b>	<b>14,752,267</b>	<b>---</b>	<b>---</b>	<b>-14,752,267</b>	<b>---</b>
<hr style="border-top: 3px double black;"/>					

141

DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
-----					
OTHER APPROPRIATIONS					
SECURITY ASSISTANCE APPROPRIATIONS ACT, 2017					
Military Personnel (OCO/GWOT).....	265,118	---	---	-265,118	---
Operation and Maintenance (OCO/GWOT).....	4,615,935	---	---	-4,615,935	---
Procurement (OCO/GWOT).....	724,447	---	---	-724,447	---
Research, Development, Test, and Evaluation (OCO/GWOT).....	81,700	---	---	-81,700	---
Other Department of Defense Programs (OCO/GWOT).....	87,800	---	---	-87,800	---
	-----	-----	-----	-----	-----
Total, FY 2017 Security Assistance (PL 114-254).	5,775,000	---	---	-5,775,000	---
DEPARTMENT OF DEFENSE MISSILE DEFEAT AND DEFENSE ENHANCEMENTS APPROPRIATIONS ACT, 2018					
Operation and Maintenance					
Operation and Maintenance, Navy (emergency) 5/.....	---	673,500	673,500	+673,500	---
Operation and Maintenance, Air Force (emergency) 5/...	---	18,750	18,750	+18,750	---
Operation and Maintenance, Defense-Wide (emergency)5/.	---	23,735	23,735	+23,735	---
	-----	-----	-----	-----	-----
Total, Title II, Operation and maintenance (emergency).....	---	715,985	715,985	+715,985	---
	=====	=====	=====	=====	=====

145

DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
-----					
Procurement					
Missile Procurement, Army (emergency) 5/.....	---	884,000	884,000	+884,000	---
Missile Procurement, Air Force (emergency) 5/.....	---	12,000	12,000	+12,000	---
Other Procurement, Air Force (emergency) 5/.....	---	288,055	288,055	+288,055	---
Procurement, Defense-Wide (emergency) 5/.....	---	1,239,140	1,239,140	+1,239,140	---
-----					
Total, Title III, Procurement (emergency).....	---	2,423,195	2,423,195	+2,423,195	---
=====					
Research, Development, Test and Evaluation					
Research, Development, Test and Evaluation, Army (emergency) 5/.....	---	20,700	20,700	+20,700	---
Research, Development, Test and Evaluation, Navy (emergency) 5/.....	---	60,000	60,000	+60,000	---
Research, Development, Test and Evaluation, Air Force (emergency) 5/.....	---	255,744	255,744	+255,744	---
Research, Development, Test and Evaluation, Defense-Wide (emergency) 5/.....	---	1,010,220	1,010,220	+1,010,220	---
-----					
Total, Title IV, Research, Development, Test and Evaluation (emergency).....	---	1,346,664	1,346,664	+1,346,664	---
=====					
Total, FY 2018 Missile Defeat and Defense Enhancements (emergency) (PL 115-96) .....	---	4,485,844	4,485,844	+4,485,844	---
=====					

146

DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
-----					
FURTHER ADDITIONAL SUPPLEMENTAL APPROPRIATIONS FOR DISASTER RELIEF REQUIREMENTS ACT, 2018					
DEPARTMENT OF DEFENSE--MILITARY PROGRAMS					
OPERATION AND MAINTENANCE					
Operation and Maintenance, Army (emergency).....	---	20,110	20,110	+20,110	---
Operation and Maintenance, Navy (emergency).....	---	267,796	267,796	+267,796	---
Operation and Maintenance, Marine Corps (emergency)...	---	17,920	17,920	+17,920	---
Operation and Maintenance, Air Force (emergency).....	---	20,916	20,916	+20,916	---
Operation and Maintenance, Defense-Wide (emergency)...	---	2,650	2,650	+2,650	---
Operation and Maintenance, Army Reserve (emergency)...	---	12,500	12,500	+12,500	---
Operation and Maintenance, Navy Reserve (emergency)...	---	2,922	2,922	+2,922	---
Operation and Maintenance, Air Force Reserve (emergency).....	---	5,770	5,770	+5,770	---
Operation and Maintenance, Army National Guard (emergency).....	---	55,471	55,471	+55,471	---
-----					
Total, Operation and Maintenance (emergency)....	---	406,055	406,055	+406,055	---
PROCUREMENT					
Other Procurement, Navy (emergency).....	---	25,750	18,000	+18,000	-7,750
REVOLVING AND MANAGEMENT FUNDS					
Defense Working Capital Funds (emergency).....	---	9,486	9,486	+9,486	---

147



DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
<b>OTHER DEPARTMENT OF DEFENSE PROGRAMS</b>					
Defense Health Program: Operation & Maintenance (emergency).....	---	704	704	+704	---
Total, FY 2018 Department of Defense (emergency) (PL 115-123, DivB, Subdivision1, Title III)...	---	441,995	434,245	+434,245	-7,750
Total, Other Appropriations.....	5,775,000	4,927,839	4,920,089	-854,911	-7,750
Grand Total.....	591,980,267	628,261,227	652,360,608	+60,380,341	+24,099,381
Appropriations.....	(513,555,692)	(558,214,406)	(583,216,761)	(+69,661,069)	(+25,002,355)
Emergency appropriations.....	---	(4,927,839)	(4,920,089)	(+4,920,089)	(-7,750)
Global War on Terrorism (GWOT).....	(83,179,791)	(65,118,982)	(67,731,100)	(-15,448,691)	(+2,612,118)
Rescissions.....	(-3,924,692)	---	(-942,242)	(+2,982,450)	(-942,242)
Rescissions (GWOT).....	(-830,524)	---	(-2,565,100)	(-1,734,576)	(-2,565,100)
(Transfer Authority).....	4,664,375	5,156,519	4,407,519	-256,856	-749,000
(Transfer Authority) (GWOT).....	2,750,000	4,500,000	2,250,000	-500,000	-2,250,000

148

DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
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CONGRESSIONAL BUDGET RECAP					
Scorekeeping adjustments:					
Lease of defense real property (permanent).....	37,000	38,000	38,000	+1,000	---
Disposal of defense real property (permanent).....	8,000	8,000	8,000	---	---
DHP, O&M to DOD-VA Joint Incentive Fund (permanent):					
Defense function.....	-15,000	-15,000	-15,000	---	---
Non-defense function.....	15,000	15,000	15,000	---	---
DHP, O&M to Joint DOD-VA Medical Facility Demonstration Fund (Sec.8090):					
Defense function.....	-122,375	-115,519	-115,519	+6,856	---
Non-defense function.....	122,375	115,519	115,519	-6,856	---
O&M, Defense-wide transfer to Department of the Interior:					
Defense function.....	---	-123,900	---	---	+123,900
Non-defense function.....	---	123,900	---	---	-123,900
Navy transfer to John C. Stennis Center for Public Service Development Trust Fund:					
Defense function.....	-1,000	---	-1,000	---	-1,000
Non-defense function.....	1,000	---	1,000	---	+1,000
Tricare accrual (permanent, indefinite auth.) 3/..	6,953,000	8,145,000	8,145,000	+1,192,000	---
DOD Acquisition Workforce Development Fund transfer proviso.....	---	---	-500,000	-500,000	-500,000
Less emergency appropriations.....	---	-4,927,839	-4,920,089	-4,920,089	+7,750
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Total, scorekeeping adjustments.....	6,998,000	3,263,161	2,770,911	-4,227,089	-492,250
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149

DIVISION C -- DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2018  
(Amounts in Thousands)

	FY 2017 Enacted	FY 2018 Request	Final Bill	Final Bill vs. FY 2017	Final Bill vs. Request
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RECAPITULATION					
Title I - Military Personnel.....	128,725,978	133,881,636	133,367,397	+4,641,419	-514,239
Title II - Operation and Maintenance.....	167,603,260	188,570,298	188,245,583	+20,642,323	-324,715
Title III - Procurement.....	108,426,827	113,931,877	133,868,632	+25,441,805	+19,936,755
Title IV - Research, Development, Test and Evaluation.....	72,301,587	82,691,636	88,308,133	+16,006,546	+5,616,497
Title V - Revolving and Management Funds.....	1,511,613	2,095,923	1,685,596	+173,983	-410,327
Title VI - Other Department of Defense Programs.....	35,615,831	35,868,136	36,646,600	+1,030,769	+778,464
Title VII - Related Agencies.....	1,029,596	1,046,000	1,051,600	+22,004	+5,600
Title VIII - General Provisions (net).....	-5,583,692	128,900	-899,022	+4,684,670	-1,027,922
Title IX - Global War on Terrorism (GWOT).....	61,822,000	65,118,982	65,166,000	+3,344,000	+47,018
Title X - Additional Appropriations.....	14,752,267	---	---	-14,752,267	---
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Total, Department of Defense, This Bill.....	586,205,267	623,333,388	647,440,519	+61,235,252	+24,107,131
Other appropriations.....	5,775,000	4,927,839	4,920,089	-854,911	-7,750
Scorekeeping adjustments.....	6,998,000	3,263,161	2,770,911	-4,227,089	-492,250
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Total mandatory and discretionary.....	598,978,267	631,524,388	655,131,519	+56,153,252	+23,607,131
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- 1/ Included in Budget under Operation and Maintenance
- 2/ Included in Budget under Procurement
- 3/ Contributions to Department of Defense Medicare-Eligible Retiree Health Care Fund (Sec. 725, P.L. 108-375). Budget request excludes proposal to amend TRICARE
- 4/ Budget request includes June 29, 2017 budget amendments
- 5/ Budget request includes November 6, 2017 budget amendments

150