

[Dollars in thousands]

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
26	MOD OF IN-SERVICE EQUIPMENT (TAC-SAT)		1,042		642		-- 400
	COMM—C3 SYSTEM						
28	ARMY GLOBAL CMD & CONTROL SYS (AGCCS)		10,137		10,137		
	COMM—COMBAT COMMUNICATIONS						
27	ENROUTE MISSION COMMAND (EMC)		7,116		7,116		
29	JOINT TACTICAL RADIO SYSTEM		64,640		32,320		-- 32,320
30	MID-TIER NETWORKING VEHICULAR RADIO (MNVVR)		27,762		21,868		-- 5,894
31	RADIO TERMINAL SET, MIDS LVT(2)		9,422		9,422		
32	AMC CRITICAL ITEMS—OPA2		26,020		26,020		
33	TRACTOR DESK		4,073		4,073		
34	SPIDER APLA REMOTE CONTROL UNIT		1,403		1,403		
35	SPIDER FAMILY OF NETWORKED MUNITIONS INCREASE		9,199		9,199		
36	SOLDIER ENHANCEMENT PROGRAM COMM/ELECTRONICS		349		349		
37	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM		25,597		25,597		
38	UNIFIED COMMAND SUITE		21,854		21,854		
40	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE		24,388		24,388		
	COMM—INTELLIGENCE COMM						
42	CI AUTOMATION ARCHITECTURE [MIP]		1,349		1,349		
43	ARMY CA/MISO GPF EQUIPMENT		3,695		2,695		-- 1,000
	INFORMATION SECURITY						
45	INFORMATION SYSTEM SECURITY PROGRAM—ISSP		19,920		19,920		
46	COMMUNICATIONS SECURITY (COMSEC)		72,257		72,257		
	COMM—LONG HAUL COMMUNICATIONS						
47	BASE SUPPORT COMMUNICATIONS		16,082		16,082		
	COMM—BASE COMMUNICATIONS						
48	INFORMATION SYSTEMS		86,037		61,503		-- 24,534
50	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM		8,550		8,550		
51	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM		73,496		73,496		

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	ELECT EQUIP				
	ELECT EQUIP—TACT INT REL ACT (TIARA)				
54	JIT/CIBS-M (MIP)	881		881	
55	PROPHET GROUND (MIP)	63,650		63,650	
57	DCGS-A (MIP)	260,268		260,268	
58	JOINT TACTICAL GROUND STATION (JTAGS)	3,906		3,906	
59	TROJAN (MIP)	13,929		13,929	
60	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)	3,978		3,978	
61	CI HUMINT AUTO REPRTING AND COLL[CHARCS](MIP)	7,542		7,542	
62	CLOSE ACCESS TARGET RECONNAISSANCE (CATR)	8,010		8,010	
63	MACHINE FOREIGN LANGUAGE TRANSLATION SYSTEM	8,125		8,125	
	ELECT EQUIP—ELECTRONIC WARFARE (EW)				
64	LIGHTWEIGHT COUNTER MORTAR RADAR	63,472		63,472	
65	EW PLANNING AND MANAGEMENT TOOLS	2,556		2,556	
66	AIR VIGILANCE (AV)	8,224		8,224	
67	CREW	2,960		2,960	
68	FAMILY OF PERSISTENT SURVEILLANCE CAPABILITIES	1,722		1,722	
69	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES	447		447	
70	CI MODERNIZATION (MIP)	228		228	
	ELECT EQUIP—TACTICAL SURV. (TAC SURV)				
71	SENTINEL MODS	43,285		43,285	
72	NIGHT VISION DEVICES	124,216		124,216	
74	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	23,216		23,216	
76	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	60,679		60,679	
77	FAMILY OF WEAPON SIGHTS (FWS)	53,453		53,453	
78	ARTILLERY ACCURACY EQUIP	3,338		3,338	
79	PROFILER	4,057		4,057	
81	JOINT BATTLE COMMAND—PLATFORM (JBC-P)	133,339		133,339	
82	JOINT EFFECTS TARGETING SYSTEM (JETS)	47,212		47,212	
83	MOD OF IN-SERVICE EQUIPMENT (LLDR)	22,314		22,314	
84	COMPUTER BALLISTICS: LHMBC XM32	12,131		12,131	
85	MORTAR FIRE CONTROL SYSTEM	10,075		10,075	
86	COUNTERFIRE RADARS	217,379		115,928	- 101,451
	ELECT EQUIP—TACTICAL C2 SYSTEMS				
87	FIRE SUPPORT C2 FAMILY	1,190		1,190	
90	AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD)	28,176		28,176	
91	IAMD BATTLE COMMAND SYSTEM	20,917		20,917	
92	LIFE CYCLE SOFTWARE SUPPORT (LCSS)	5,850		5,850	

(Dollars in thousands)

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
93	NETWORK MANAGEMENT INITIALIZATION AND SERVICE		12,738		12,738		
94	MANEUVER CONTROL SYSTEM (MCS)		145,405		145,405		
95	GLOBAL COMBAT SUPPORT SYSTEM-ARMY		162,654		162,654		
96	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY		4,446		4,446		
98	RECONNAISSANCE AND SURVEYING INSTRUMENT SET		16,218		16,218		
99	MOD OF IN-SERVICE EQUIPMENT (ENFIRE)		1,138		1,138		
	ELECT EQUIP—AUTOMATION						
100	ARMY TRAINING MODERNIZATION		12,089		12,089		
101	AUTOMATED DATA PROCESSING EQUIPMENT		105,775		105,775		
102	GENERAL FUND ENTERPRISE BUSINESS SYSTEM		18,995		13,540		- 5,455
103	HIGH PERF COMPUTING MOD PROGRAM		62,319		62,319		
104	RESERVE COMPONENT AUTOMATION SYS (RCAS)		17,894		17,894		
	ELECT EQUIP—AUDIO VISUAL SYS (A/V)						
106	ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT)		4,242		4,242		
	ELECT EQUIP—SUPPORT						
107	PRODUCTION BASE SUPPORT [C-E]		425		425		
108	BCT EMERGING TECHNOLOGIES		7,438		7,438		
	CLASSIFIED PROGRAMS		6,467		6,467		
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT		3,478,118		3,167,318		- 310,800
	OTHER SUPPORT EQUIPMENT						
	CHEMICAL DEFENSIVE EQUIPMENT						
109	PROTECTIVE SYSTEMS		248		248		
110	FAMILY OF NON-LETHAL EQUIPMENT (FNLE)		1,487		1,487		
112	CBRN SOLDIER PROTECTION		26,302		26,302		
	BRIDGING EQUIPMENT						
113	TACTICAL BRIDGING		9,822		9,822		
114	TACTICAL BRIDGE, FLOAT-RIBBON		21,516		21,516		
115	BRIDGE SUPPLEMENTAL SET		4,959		4,959		
116	COMMON BRIDGE TRANSPORTER RECAP		52,546		52,546		

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117	ENGINEER (NON-CONSTRUCTION) EQUIPMENT				
	GROUND STANDOFF MINE DETECTION SYSTEM [GSTAMIDS]	58,682		58,682	
118	HUSKY MOUNTED DETECTION SYSTEM (HMDS)	13,565		13,565	
119	ROBOTIC COMBAT SUPPORT SYSTEM	2,136		2,136	
120	EGD ROBOTICS SYSTEMS RECAPITALIZATION	6,960		6,960	
121	EXPLOSIVE ORDNANCE DISPOSAL EQPMT (EOD EQPMT)	17,424		17,424	
122	REMOTE DEMOLITION SYSTEMS	8,284		8,284	
123	ITEMS LESS THAN \$5M, COUNTERMINE EQUIPMENT	5,459		5,459	
124	FAMILY OF BOATS AND MOTORS	8,429		8,429	
	COMBAT SERVICE SUPPORT EQUIPMENT				
125	HEATERS AND ECU'S	18,876		18,876	
127	SOLDIER ENHANCEMENT	2,287		2,287	
128	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)	7,733		7,733	
129	GROUND SOLDIER SYSTEM	49,798		49,798	
130	MOBILE SOLDIER POWER	43,639		43,639	
132	FIELD FEEDING EQUIPMENT	13,118		13,118	
133	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM	28,278		28,278	
135	FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS	34,544		34,544	
136	ITEMS LESS THAN \$5M (ENG SPT)	595		595	
	PETROLEUM EQUIPMENT				
137	QUALITY SURVEILLANCE EQUIPMENT	5,368		5,368	
138	DISTRIBUTION SYSTEMS, PETROLEUM & WATER	35,381		35,381	
	MEDICAL EQUIPMENT				
139	COMBAT SUPPORT MEDICAL	73,828		73,828	
	MAINTENANCE EQUIPMENT				
140	MOBILE MAINTENANCE EQUIPMENT SYSTEMS	25,270		25,270	
141	ITEMS LESS THAN \$5.0M (MAINT EQ)	2,760		2,760	
	CONSTRUCTION EQUIPMENT				
142	GRADER, ROAD MTZD, HVY, 6X4 (CCE)	5,903		5,903	
143	SCRAPERS, EARTHMOVING	26,125		26,125	
146	TRACTOR, FULL TRACKED	27,156		27,156	
147	ALL TERRAIN CRANES	16,750		14,396	-2,354
148	PLANT, ASPHALT MIXING	984		984	
149	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE) FOS	2,656		2,656	
150	ENHANCED RAPID AIRFIELD CONSTRUCTION CAPAP	2,531		2,531	
151	FAMILY OF DIVER SUPPORT EQUIPMENT	446		446	
152	CONST EQUIP ESP	19,640		19,640	
153	ITEMS LESS THAN \$5.0M (CONST EQUIP)	5,087		5,087	

(Dollars in thousands)

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	RAIL FLOAT CONTAINERIZATION EQUIPMENT						
154	ARMY WATERCRAFT ESP		39,772		39,772		
155	ITEMS LESS THAN \$5.0M (FLOAT/RAIL)		5,835		5,835		
	GENERATORS						
156	GENERATORS AND ASSOCIATED EQUIPMENT		166,356		166,356		
	MATERIAL HANDLING EQUIPMENT						
157	TACTICAL ELECTRIC POWER RECAPITALIZATION		11,505		11,505		
159	FAMILY OF FORKLIFTS		17,496		17,496		
	TRAINING EQUIPMENT						
160	COMBAT TRAINING CENTERS SUPPORT		74,916		74,916		
161	TRAINING DEVICES, NONSYSTEM		303,236		303,236		
162	CLOSE COMBAT TACTICAL TRAINER		45,210		45,210		
163	AVIATION COMBINED ARMS TACTICAL TRAINER (AVCA)		30,068		30,068		
164	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING		9,793		9,793		
	TEST MEASURE AND DIG EQUIPMENT (TMD)						
165	CALIBRATION SETS EQUIPMENT		4,650		4,650		
166	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)		34,487		34,487		
167	TEST EQUIPMENT MODERNIZATION (TEMOD)		11,083		11,083		
	OTHER SUPPORT EQUIPMENT						
169	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT		17,937		17,937		
170	PHYSICAL SECURITY SYSTEMS (OPAS)		52,040		52,040		
171	BASE LEVEL COM'L EQUIPMENT		1,568		1,568		
172	MODIFICATION OF IN-SYC EQUIPMENT (OPA-3)		64,219		64,219		
173	PRODUCTION BASE SUPPORT (OTH)		1,525		1,525		
174	SPECIAL EQUIPMENT FOR USER TESTING		3,268		6,268		+ 3,000
176	TRACTOR YARD		7,191		7,191		
	TOTAL, OTHER SUPPORT EQUIPMENT		1,588,727		1,589,373		+ 646
	SPARE AND REPAIR PARTS						
177	INITIAL SPARES—C&E		48,511		48,511		

TOTAL, SPARE AND REPAIR PARTS	48,511	48,511	
HMMVV MOD PROGRAM		60,000	+ 60,000
TOTAL, OTHER PROCUREMENT, ARMY	5,899,028	5,648,874	- 250,154

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

(In thousands of dollars)

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
16	Win-T—Ground Forces Tactical Network	783,116	643,370	— 139,746
	Improving funds management: Prior year carryover			— 139,746
26	Mod of In-Svc Equip (TAC SAT)	1,042	642	— 400
	Improving funds management: Prior year carryover			— 400
29	Joint Tactical Radio System	64,640	32,320	— 32,320
	Restoring acquisition accountability: Schedule slip			— 32,320
30	Mid-Tier Networking Vehicular Radio (MNVN)	27,762	21,868	— 5,894
	Restoring acquisition accountability: Acquisition strategy			— 5,894
43	Army CAMISO GPF Equipment	3,695	2,695	— 1,000
	Improving funds management: Prior year carryover			— 1,000
48	Information Systems	86,037	61,503	— 24,534
	Improving funds management: Prior year carryover			— 24,534
86	Counterfire Radars	217,379	115,928	— 101,451
	Improving funds management: Prior year carryover			— 101,451
102	General Fund Enterprise Business Systems Fam	18,995	13,540	— 5,455
	Transfer GFEBBS—SA: Army-requested to RDT&E, Army line 106			— 5,455
147	All Terrain Cranes	16,750	14,396	— 2,354
	Improving funds management: Prior year carryover			— 2,354
174	Special Equipment for User Testing	3,268	6,268	+ 3,000
	Program increase			+ 3,000
XX	HMMWV Mod Program		60,000	+ 60,000
	Program increase: HMMWV Ambulance Replacement			+ 60,000

European Facilities Communications.—The Committee notes capability gaps in communications security at U.S. Army Europe [USAREUR] facilities, which rely on outdated radio infrastructure. A study by the Naval Surface Warfare Center—Crane recommended that USAREUR adopt a single enterprise radio infrastructure by entering into a joint agreement with U.S. Air Forces Europe to utilize their Enterprise Land Mobile Radio [ELMR] program. The Committee recognizes that a joint ELMR program would result in cost savings and support Joint Information Environment goals. The Committee directs the Secretary of the Army to provide a USAREUR radio upgrade strategy to the congressional defense committees not later than 120 days after enactment of this act.

Heavy Equipment Transport.—Future upgrades to the Army's M1 Abrams tank, planned for fielding as early as fiscal year 2019, will likely increase the weight of the platform in excess of the M1070 Heavy Equipment Transport [HET] and associated M1000 HET Trailer's current carrying capacity of 70 tons. The Committee encourages the Army to establish and fund an M1070 and M1000 recapitalization program or programs.

MRAP Recovery Vehicle Upgrades.—The Committee recognizes the Army's continuing need for, and investment in, Mine Resistant Armored Personnel recovery vehicles [MRV] and recommends that the Army move expeditiously to install and evaluate MRV performance kits. The Committee directs the Secretary of the Army to provide a report to the congressional defense committees, not later than 60 days after enactment of this act, on the status of the MRV fleet including actual and planned fielded quantities and locations,

MRV capability requirements, and estimates of budgets across the Future Years Defense Program needed to meet the Army's current and future MRV needs.

HMMWV Ambulances.—The Committee recommends an additional \$60,000,000 for High Mobility Multipurpose Wheeled Vehicle [HMMWV] ambulances, of which \$40,000,000 is intended for the Army National Guard and \$20,000,000 for the Army Reserve.

Ultra-Light Combat Vehicle.—The Committee is aware that the Army is developing requirements for an Ultra-Light Combat Vehicle [ULCV] for use by general purpose infantry. The Committee encourages the Secretary of the Army to develop and acquire ULCV using commercially available platforms, non-developmental items, and full and open competition.

AIRCRAFT PROCUREMENT, NAVY

Appropriations, 2015	\$14,758,035,000
Budget estimate, 2016	16,126,405,000
Committee recommendation	17,392,174,000

The Committee recommends an appropriation of \$17,392,174,000. This is \$1,265,769,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

(Dollars in thousands)

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
AIRCRAFT PROCUREMENT, NAVY							
COMBAT AIRCRAFT							
2	F/A-18E/F (FIGHTER) HORNET [MYP]			12	978,750	+ 12	+ 978,750
3	JOINT STRIKE FIGHTER	4	897,542	4	778,142		- 119,400
4	JOINT STRIKE FIGHTER [AP-CY]		48,630		48,630		
5	JSF STOVL	9	1,483,414	15	2,213,714	+ 6	+ 730,300
6	JSF STOVL [AP-CY]		203,060		203,060		
7	CH-53K (HEAVY LIFT) [AP-CY]		41,300				- 41,300
8	V-22 (MEDIUM LIFT)	19	1,436,355	19	1,421,355		- 15,000
9	V-22 (MEDIUM LIFT) [AP-CY]		43,853		43,853		
10	UH-1Y/AH-1Z	28	800,057	28	795,405		- 4,652
11	UH-1Y/AH-1Z [AP-CY]		56,168		56,168		
12	MH-60S [MYP]	8	28,232	8	28,232		
13	MH-60R	29	969,991	29	964,991		- 5,000
16	P-8A POSEIDON	16	3,008,928	16	3,008,928		
17	P-8A POSEIDON [AP-CY]		269,568		250,568		- 19,000
18	E-2D ADV HAWKEYE	5	857,654	5	857,654		
19	E-2D ADV HAWKEYE [AP-CY]		195,336		195,336		
	TOTAL, COMBAT AIRCRAFT		10,340,088		11,844,786		+ 1,504,698
TRAINER AIRCRAFT							
20	JPATS		8,914		8,914		
	TOTAL, TRAINER AIRCRAFT		8,914		8,914		
OTHER AIRCRAFT							
21	KC-130J	2	192,214	2	192,214		
22	KC-130J [AP-CY]		24,451		24,451		
23	MQ-4 TRITON	3	494,259	2	391,759	- 1	- 102,500
24	MQ-4 TRITON [AP-CY]		54,577		5,098		- 49,479
25	MQ-8 UAV	2	120,020	5	156,020	+ 3	+ 36,000
26	STUASLO UAV		3,450		3,450		

(Dollars in thousands)

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER SUPPORT AIRCRAFT			1	15,100	+ 1	+ 15,100
	TOTAL, OTHER AIRCRAFT		888,971		788,092		- 100,879
	MODIFICATION OF AIRCRAFT						
28	EA-6 SERIES		9,799		9,799		
29	AEA SYSTEMS		23,151		31,151		+ 8,000
30	AV-8 SERIES		41,890		45,190		+ 3,300
31	ADVERSARY		5,816		5,816		
32	F-18 SERIES		978,756		939,556		- 39,200
34	H-53 SERIES		46,887		46,887		
35	SH-60 SERIES		107,728		100,928		- 6,800
36	H-1 SERIES		42,315		40,565		- 1,750
37	EP-3 SERIES		41,784		44,984		+ 3,200
38	P-3 SERIES		3,067		3,067		
39	E-2 SERIES		20,741		20,741		
40	TRAINER A/C SERIES		27,980		27,980		
41	C-2A		8,157		8,157		
42	C-130 SERIES		70,335		66,735		- 3,600
43	FEWSG		633		633		
44	CARGO/TRANSPORT A/C SERIES		8,916		8,916		
45	E-6 SERIES		185,253		185,253		
46	EXECUTIVE HELICOPTERS SERIES		76,138		72,338		- 3,800
47	SPECIAL PROJECT AIRCRAFT		23,702		23,702		
48	T-45 SERIES		105,439		105,439		
49	POWER PLANT CHANGES		9,917		9,917		
50	JPATS SERIES		13,537		13,537		
51	COMMON ECM EQUIPMENT		131,732		131,732		
52	COMMON AVIONICS CHANGES		202,745		202,745		
53	COMMON DEFENSIVE WEAPON SYSTEM		3,062		3,062		
54	ID SYSTEMS		48,206		48,206		
55	P-8 SERIES		28,492		28,092		- 400
56	MAGTF EW FOR AVIATION		7,680		7,680		
57	MQ-8 SERIES		22,464		22,464		
58	RQ-7 SERIES		3,773		3,773		

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59	V-22 (TILT/ROTOR ACFT) OSPREY	121,208	144,208	+ 23,000
60	F-35 STOVL SERIES	256,106	256,106	
61	F-35 CV SERIES	68,527	48,527	- 20,000
62	QUICK REACTION CAPABILITY (QRC)	6,885	6,885	
	TOTAL, MODIFICATION OF AIRCRAFT	2,752,821	2,714,771	- 38,050
	AIRCRAFT SPARES AND REPAIR PARTS			
63	SPARES AND REPAIR PARTS	1,563,515	1,463,515	- 100,000
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES			
64	COMMON GROUND EQUIPMENT	450,959	450,959	
65	AIRCRAFT INDUSTRIAL FACILITIES	24,010	24,010	
66	WAR CONSUMABLES	42,012	42,012	
67	OTHER PRODUCTION CHARGES	2,455	2,455	
68	SPECIAL SUPPORT EQUIPMENT	50,859	50,859	
69	FIRST DESTINATION TRANSPORTATION	1,801	1,801	
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT & FACILITIES	572,096	572,096	
	TOTAL, AIRCRAFT PROCUREMENT, NAVY	16,126,405	17,392,174	+ 1,265,769

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

(In thousands of dollars)

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
2	F/A-18E/F (Fighter) Hornet		978,750	+ 978,750
	Authorization adjustment: Additional 12 aircraft—Navy UFR			+ 978,750
3	Joint Strike Fighter CV	897,542	778,142	- 119,400
	Restoring acquisition accountability: Delayed sustainment contract awards			- 105,000
	Restoring acquisition accountability: Unit cost growth			- 14,400
5	JSF STOVL	1,483,414	2,213,714	+ 730,300
	Authorization adjustment: Additional 6 aircraft and support equipment—USMC UFR			+ 846,000
	Restoring acquisition accountability: Delayed sustainment contract awards			- 95,000
	Restoring acquisition accountability: Unit cost growth			- 20,700
7	CH-53K (Heavy Lift)	41,300		- 41,300
	Restoring acquisition accountability: Advance procurement early to need			- 41,300
8	V-22 (Medium Lift)	1,436,355	1,421,355	- 15,000
	Restoring acquisition accountability: Unit cost growth			- 15,000
10	H-1 Upgrades (UH-1Y/AH-1Z)	800,057	795,405	- 4,652
	Maintain program affordability: Engineering change order funds excess to need			- 4,652
14	MH-60R (MYP)	969,991	964,991	- 5,000
	Budget documentation disparity: Poor justification of production line shutdown funds			- 5,000
17	P-8A Poseidon—AP	269,568	250,568	- 19,000
	Maintain program affordability: Advance procurement excess to need			- 19,000
23	MQ-4 Triton	494,259	391,759	- 102,500
	Restoring acquisition accountability: Quantity reduction from three to two aircraft			- 102,500
24	MQ-4 Triton—AP	54,577	5,098	- 49,479
	Restoring acquisition accountability: Advance procurement for two aircraft			- 49,479
25	MQ-8 UAV	120,020	156,020	+ 36,000
	Program increase: 3 additional MQ-8 aircraft for Navy			+ 36,000
27	Other Support Aircraft		15,100	+ 15,100
	Program increase: Additional UC-12W for USMC			+ 15,100
29	AEA Systems	23,151	31,151	+ 8,000
	Program increase			+ 8,000
30	AV-8 Series	41,890	45,190	+ 3,300
	Authorization adjustment: AV-8B Link 16 upgrades—Navy UFR			+ 3,300
32	F-18 Series	978,756	939,556	- 39,200
	Improving funds management: Prior year carryover			- 51,200
	Program increase: Update generators for EA-18 Growlers ..			+ 12,000
35	SH-60 Series	107,728	100,928	- 6,800
	Improving funds management: Prior year carryover			- 6,800
36	H-1 Series	42,315	40,565	- 1,750
	Maintain program affordability: Unjustified growth—Installation funding			- 1,750
37	EP-3 Series	41,784	44,984	+ 3,200
	Program increase: 12th and final spiral 3 installation			+ 3,200
42	C-130 Series	70,335	66,735	- 3,600
	Maintain program affordability: Unjustified growth—Installation funding			- 3,600
46	Executive Helicopters Series	76,136	72,336	- 3,800
	Maintain program affordability: Unjustified growth—Installation funding			- 3,800
55	P-8 Series	28,492	28,092	- 400

[In thousands of dollars]

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
	Improving funds management: Prior year carryover			- 400
59	V-22 (Tilt/Rotor ACF) Osprey	121,208	144,208	+ 23,000
	Authorization adjustment: MV-22 integrated aircraft survivability—MC UFR			+ 15,000
	Authorization adjustment: MV-22 ballistic protection—MC UFR			+ 8,000
61	F-35 CV Series	68,527	48,527	- 20,000
	Improving funds management: Prior year carryover			- 20,000
63	Spares and Repair Parts	1,563,515	1,463,515	- 100,000
	Budget documentation disparity: Poor justification materials			- 100,000

CH-53K Helicopter.—The fiscal year 2016 President's budget request includes \$41,300,000 in advance procurement for the first two low rate initial production units of the CH-53K heavy lift helicopter for the Marine Corps. The Committee notes that developmental test has been delayed and now extends through June 2016. The Committee also understands that a milestone C decision is scheduled for the fourth quarter of fiscal year 2016. Therefore, the Committee believes that there is risk in the current schedule and it is premature to begin procurement of the CH-53K helicopter in fiscal year 2016 and recommends no funding for advance procurement.

MQ-4 Triton Unmanned Aerial Vehicle.—The fiscal year 2016 President's budget requests \$494,259,000 for three low rate initial production [LRIP] Lot 1 aircraft. The President's budget request also includes \$54,577,000 for advance procurement of three LRIP Lot 2 aircraft for production in fiscal year 2017. The Committee understands that Lots 1 and 2 will include only basic intelligence capability and that multiple intelligence capability will be added beginning with Lot 3 in fiscal year 2018. As expressed in the report accompanying the Senate version of the fiscal year 2015 Department of Defense Appropriations bill (Senate Report 113-211), the Committee remains concerned with software development delays. In addition, the delivery of the system demonstration test article [SDTA] aircraft has slipped from the second half of fiscal year 2015 to the first half of fiscal year 2017. Due to the Navy's plan to meet the initial operational capability requirement with two SDTA aircraft and only two LRIP aircraft from Lot 1, the Committee recommends \$391,759,000 for two aircraft in fiscal year 2016 and sufficient funding in advance procurement, in addition to the funding provided in fiscal year 2015, to support the production of two aircraft in fiscal year 2017.

TH-57 Helicopter Trainers.—The Committee understands that the Navy rotary wing training fleet of TH-57B/C helicopters are equipped with obsolete avionics, increasingly costly to sustain and have little commonality with the rest of the rotary-wing fleet. Therefore, the Committee directs the Navy to submit a report to the congressional defense committees, not later than 180 days after enactment of the act, on the near and long-term plan to sustain and replace the TH-57 fleet.

WEAPONS PROCUREMENT, NAVY

Appropriations, 2015	\$3,137,257,000
Budget estimate, 2016	3,154,154,000
Committee recommendation	3,172,822,000

The Committee recommends an appropriation of \$3,172,822,000. This is \$18,668,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	WEAPONS PROCUREMENT, NAVY						
	BALLISTIC MISSILES						
	MODIFICATION OF MISSILES						
1	TRIDENT II MODS		1,099,064		1,099,064		
	SUPPORT EQUIPMENT AND FACILITIES						
2	MISSILE INDUSTRIAL FACILITIES		7,748		7,748		
	TOTAL, BALLISTIC MISSILES		1,106,812		1,106,812		
	OTHER MISSILES						
	STRATEGIC MISSILES						
3	TOMAHAWK	100	184,814	149	214,814	+ 49	+ 30,000
	TACTICAL MISSILES						
4	AMRAAM	167	192,873	167	207,873		+ 15,000
5	SIDEWINDER	227	96,427	227	96,427		
6	JSOW		21,419		21,419		
7	STANDARD MISSILE	113	435,352	113	435,352		
8	RAM	90	80,826	90	80,826		
11	STAND OFF PRECISION GUIDED MUNITION	27	4,265	27	4,265		
12	AERIAL TARGETS		40,792		40,792		
13	OTHER MISSILE SUPPORT		3,335		3,335		
	MODIFICATION OF MISSILES						
14	ESSM	30	44,440	30	44,440		
15	ESSM (AP-CY)		54,462		54,462		
16	HARM MODS		122,298		122,298		
	SUPPORT EQUIPMENT AND FACILITIES						
17	WEAPONS INDUSTRIAL FACILITIES		2,397		2,397		
18	FLEET SATELLITE COMM FOLLOW-ON		39,932		39,932		
	ORDNANCE SUPPORT EQUIPMENT						
19	ORDNANCE SUPPORT EQUIPMENT		57,641		31,309		- 26,332

(Dollars in thousands)

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	TOTAL, OTHER MISSILES		1,381,273		1,399,941		+ 18,668
	TORPEDOES AND RELATED EQUIPMENT						
	TORPEDOES AND RELATED EQUIP						
20	SSTD		7,380		7,380		
21	MK-48 TORPEDO	8	65,611	8	65,611		
22	ASW TARGETS		6,912		6,912		
23	MK-54 TORPEDO MODS		113,219		113,219		
	MOD OF TORPEDOES AND RELATED EQUIP						
24	MK-48 TORPEDO ADCAP MODS		63,317		63,317		
25	QUICKSTRIKE MINE		13,254		13,254		
	SUPPORT EQUIPMENT						
26	TORPEDO SUPPORT EQUIPMENT		67,701		67,701		
27	ASW RANGE SUPPORT		3,699		3,699		
	DESTINATION TRANSPORTATION						
28	FIRST DESTINATION TRANSPORTATION		3,342		3,342		
	TOTAL, TORPEDOES AND RELATED EQUIPMENT		344,435		344,435		
	OTHER WEAPONS						
	GUNS AND GUN MOUNTS						
29	SMALL ARMS AND WEAPONS		11,937		11,937		
	MODIFICATION OF GUNS AND GUN MOUNTS						
30	CWS MODS		53,147		53,147		
31	COAST GUARD WEAPONS		19,022		19,022		
32	GUN MOUNT MODS		67,980		67,980		
33	AIRBORNE MINE NEUTRALIZATION SYSTEMS		19,823		19,823		
	TOTAL, OTHER WEAPONS		171,909		171,909		
35	SPARES AND REPAIR PARTS		149,725		149,725		

TOTAL, WEAPONS PROCUREMENT, NAVY	3,154,154	3,172,822	+ 18,668
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COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

(In thousands of dollars)

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
3	Tomahawk	184,814	214,814	+ 30,000
	Authorization adjustment: Return production to minimum sustainment rate—Navy UFR			+ 30,000
4	AMRAAM	192,873	207,873	+ 15,000
	Authorization adjustment: Additional captive air training missiles			+ 15,000
19	Ordnance Support Equipment	57,641	31,309	- 26,332
	Classified program adjustment			- 30,000
	Authorization adjustment: Classified program			+ 3,668

Joint Stand-Off Weapon.—The Committee supports international sales of the Joint Stand-Off Weapon [JSOW], of which \$2,000,000,000 in foreign sales are expected across the future years defense program. In order to protect industrial base capability, the Navy and Defense Security Cooperation Agency should to take all steps to expeditiously finalize foreign military sales contracts with international customers that have already been notified and approved by Congress, and work with other allied partner nations to sustain the capability provided by JSOW.

PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS

Appropriations, 2015	\$674,100,000
Budget estimate, 2016	723,741,000
Committee recommendation	728,741,000

The Committee recommends an appropriation of \$728,741,000. This is \$5,000,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
PROCUREMENT OF AMMO, NAVY & MARINE CORPS							
	PROC AMMO, NAVY						
	NAVY AMMUNITION						
1	GENERAL PURPOSE BOMBS		101,238		101,238		
2	AIRBORNE ROCKETS, ALL TYPES		67,289		67,289		
3	MACHINE GUN AMMUNITION		20,340		20,340		
4	PRACTICE BOMBS		40,365		40,365		
5	CARTRIDGES & CART ACTUATED DEVICES		49,377		49,377		
6	AIR EXPENDABLE COUNTERMEASURES		59,651		59,651		
7	JATOS		2,806		2,806		
8	LRLAP 6 INCH LONG RANGE ATTACK PROJECTILE		11,596		11,596		
9	5 INCH/54 GUN AMMUNITION		35,994		40,994		+ 5,000
10	INTERMEDIATE CALIBER GUN AMMUNITION		36,715		36,715		
11	OTHER SHIP GUN AMMUNITION		45,483		45,483		
12	SMALL ARMS & LANDING PARTY AMMO		52,080		52,080		
13	PYROTECHNIC AND DEMOLITION		10,809		10,809		
14	AMMUNITION LESS THAN \$5 MILLION		4,469		4,469		
	TOTAL, PROC AMMO, NAVY		538,212		543,212		+ 5,000
PROC AMMO, MARINE CORPS							
	MARINE CORPS AMMUNITION						
15	SMALL ARMS AMMUNITION		46,848		46,848		
16	LINEAR CHARGES, ALL TYPES		350		350		
17	40MM, ALL TYPES		500		500		
18	60MM, ALL TYPES		1,849		1,849		
19	81MM, ALL TYPES		1,000		1,000		
20	120MM, ALL TYPES		13,867		13,867		
22	GRENADES, ALL TYPES		1,390		1,390		
23	ROCKETS, ALL TYPES		14,967		14,967		
24	ARTILLERY, ALL TYPES		45,219		45,219		
26	FUZE, ALL TYPES		29,335		29,335		
27	NON LETHALS		3,868		3,868		

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28	AMMO MODERNIZATION	15,117	15,117	
29	ITEMS LESS THAN \$5 MILLION	11,219	11,219	
	TOTAL, PROC AMMO, MARINE CORPS	185,529	185,529	
	TOTAL, PROCUREMENT OF AMMO, NAVY & MARINE CORPS	723,741	728,741	+ 5,000

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

(In thousands of dollars)

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
9	5 Inch/54 Gun Ammunition	35,994	40,994	+ 5,000
	Program increase			+ 5,000

SHIPBUILDING AND CONVERSION, NAVY

Appropriations, 2015	\$15,954,379,000
Budget estimate, 2016	16,597,457,000
Committee recommendation	18,176,362,000

The Committee recommends an appropriation of \$18,176,362,000.
This is \$1,578,905,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

(Dollars in thousands)

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
SHIPBUILDING & CONVERSION, NAVY							
OTHER WARSHIPS							
1	CARRIER REPLACEMENT PROGRAM		1,634,701		1,634,701		
2	CARRIER REPLACEMENT PROGRAM [AP-CY]		874,658		683,200		-191,458
3	VIRGINIA CLASS SUBMARINE	2	3,346,370	2	3,346,370		
4	VIRGINIA CLASS SUBMARINE [AP-CY]		1,993,740		1,993,740		
5	CVN REFUELING OVERHAUL	1	678,274	1	678,274		
6	CVN REFUELING OVERHAULS [AP-CY]		14,951		14,951		
7	DDG 1000		433,404		433,404		
8	DDG-51	2	3,149,703	2	4,149,703		+1,000,000
10	LITTORAL COMBAT SHIP	3	1,356,991	3	1,331,591		-25,400
	TOTAL, OTHER WARSHIPS		13,482,792		14,265,934		+783,142
AMPHIBIOUS SHIPS							
12	LPD-17	1	550,000	1	550,000		
13	AFLOAT FORWARD STAGING BASE [AP-CY]				97,000		+97,000
14	LHA REPLACEMENT [AP-CY]		277,543		476,543		+199,000
15	LX(R)-AP			1	250,000	+1	+250,000
16	JOINT HIGH SPEED VESSEL			1	225,000	+1	+225,000
	TOTAL, AMPHIBIOUS SHIPS		827,543		1,598,543		+771,000
AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM COSTS							
17	TAO FLEET OILER	1	674,190	1	674,190		
17A	T-ATS(X) FLEET TUG			1	75,000	+1	+75,000
17B	LCU REPLACEMENT			1	34,000	+1	+34,000
19	MOORED TRAINING SHIP (AP)		138,200		138,200		
20	OUTFITTING		697,207		663,970		-33,237
21	SHIP TO SHORE CONNECTOR	5	255,630	4	204,630	-1	-51,000
22	SERVICE CRAFT		30,014		30,014		
23	LCAC SLEP	4	80,738	4	80,738		
24	YP CRAFT MAINTENANCE/ROH/SLEP		21,838		21,838		
25	COMPLETION OF PY SHIPBUILDING PROGRAMS		389,305		389,305		

TOTAL, AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM .....	.....	2,287,122	.....	2,311,885	.....	+ 24,763
TOTAL, SHIPBUILDING & CONVERSION, NAVY .....	.....	16,597,457	.....	18,176,362	.....	+ 1,578,905

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

(In thousands of dollars)

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
2	Carrier Replacement Program—AP	874,658	683,200	- 191,458
	Restoring acquisition accountability: Defer non-nuclear long-lead material			- 191,458
8	DDG-51	3,149,703	4,149,703	+ 1,000,000
	Program increase: Funding to support incremental funding authorization for an additional DDG-51			+ 1,000,000
10	Littoral Combat Ship	1,356,991	1,331,591	- 25,400
	Restoring acquisition accountability: Defer weight and survivability enhancements until more research and development is completed			- 25,400
13	Afloat Forward Staging Base—AP		97,000	+ 97,000
	Authorization adjustment: Accelerate shipbuilding funding			+ 97,000
14	LHA Replacement—AP	277,543	476,543	+ 199,000
	Authorization adjustment: Accelerate LHA-8 advanced procurement			+ 199,000
15	LX(R)—AP		250,000	+ 250,000
	Program increase: Funding to support authorization proposal to accelerate delivery of LX(R) class ships			+ 250,000
16	Joint High Speed Vessel		225,000	+ 225,000
	Additional Joint High Speed Vessel			+ 225,000
17A	T-ATS(X) Fleet Tug		75,000	+ 75,000
	Authorization adjustment: Accelerate T-ATS(X)			+ 75,000
17B	LCU Replacement		34,000	+ 34,000
	Authorization adjustment: Accelerate LCU replacement			+ 34,000
20	Outfitting	697,207	663,970	- 33,237
	Improving funds management: Post delivery funds early to need			- 33,237
21	Ship to Shore Connector	255,630	204,630	- 51,000
	Restoring acquisition accountability: Slow production ramp to reduce concurrency			- 51,000

Shipbuilding Cost Reports.—Cost reports provide the Government with actual program costs and are used to validate cost models, which lead to improved cost estimates for future systems. Therefore, access to timely and accurate cost data is vital to the budgeting process and results in more informed decisionmaking. Cost reports are especially important for shipbuilding programs, since ships generally take several years to design, construct and deliver.

The Committee understands that the Department of Defense Director of Cost Assessment and Program Evaluation [CAPE] is not receiving cost reports for many shipbuilding programs from various shipyards and the Navy, particularly cost reports from major subcontractors and large dollar value government furnished equipment systems. The Committee directs the Director of CAPE to provide a list of delinquent and deficient cost reports to the Secretary of the Navy and the congressional defense committees not later than 60 days after the enactment of this act. Further, the Committee directs the Secretary of the Navy to work with the Director of CAPE and provide a plan to improve shipbuilding cost reporting to the congressional defense committees not later than 90 days after the enactment of this act. The plan should include a schedule with esti-

mated dates for outstanding contractors and program offices to submit all cost report data due to CAPE and a status of establishing cost reporting plans for current deficient programs and contracts. Further, this plan should lay out the strategy for providing cost data to the Director of CAPE and the cost community in a timely manner.

Shipbuilding Industrial Base and Workload Allocation.—As expressed in the report accompanying the Senate version of the fiscal year 2015 Department of Defense Appropriations Bill (Senate Report 113–211), the Committee remains concerned about the overall health of the shipbuilding industrial base and specifically about the health of the non-nuclear surface combatant shipbuilding industry. In compliance with Senate Report 113–211, the Navy submitted a report to Congress dated February 25, 2015, titled “Shipbuilding Industrial Base and Workload Allocation”. The Committee was disappointed when this report failed to describe how the Navy intended to meet its remaining obligations under a 2002 workload allocation agreement that the Navy reaffirmed in 2009 and still considers “in full force and effect.” While Congress is not a party to this agreement, the Committee finds it unacceptable that the Navy is unable “to determine the extent to which its obligations relating to the workload allocation provision remain unfulfilled.” The Committee also finds it troubling that the Navy communicated to Congress that it “has not fully considered all of the options” related to the agreement.

Consistent with the intent of the agreement signed by the Navy, funding for an additional DDG–51 *Arleigh Burke*-class destroyer would preserve options for maintaining an efficient and stable non-nuclear shipbuilding industrial base. It would also mitigate unfulfilled combatant commander requirements for large surface combatants. In addition, according to section 117 of S. 1376, the National Defense Authorization Act for Fiscal Year 2016, as reported, the Secretary of the Navy is authorized to incrementally fund an additional DDG–51 *Arleigh Burke*-class destroyer. Therefore, the Committee recommends an increase of \$1,000,000,000 in incremental funding for one *Arleigh Burke*-class destroyer in addition to the ten DDG–51s in the fiscal year 2013–2017 multiyear procurement contract.

Amphibious Warship Construction.—The Committee commends the Navy for including \$550,000,000 in the fiscal year 2016 budget request to build a 12th LPD–17 *San Antonio*-class amphibious ship. This additional ship will help reduce the level of risk being assumed with amphibious lift capability. As noted in previous Senate reports, the Navy and Marine Corps have agreed on a fiscally constrained minimum force of 33 ships to meet a 38 amphibious warship force requirement. This additional ship also provides continued stability and cost savings opportunities to the shipbuilding industrial base.

The Committee was also pleased when the Secretary of the Navy, the Chief of Naval Operations, and the Commandant of the Marine Corps agreed to support the LSD amphibious warship replacement program, known as LX(R), with a derivative of the LPD–17 *San Antonio*-class hull form. As detailed in the report accompanying the Senate version of the fiscal year 2010 Department of Defense Ap-

ropriations Bill (Senate Report 111-74), the Committee supports the use of common hull forms as a way to control ship costs and maintain production schedules. The use of an existing or common hull form for the LX(R) program will improve the Navy's ability to deliver on a program that builds ships on time and on budget.

While the Committee was pleased with the Navy's LX(R) hull form decision, it was disappointed the budget request contained no advance procurement funds for the program. The Committee believes the Navy's current LX(R) build plan does not take advantage of the efficiencies and subsequent cost avoidance inherent in maintaining an active industrial base for construction of vessels utilizing the LPD-17 hull form. As a result, the Committee does not support the Navy's current program of record construction start date of fiscal year 2020 and believes the optimum construction start for LX(R) class vessels is as early as fiscal year 2018. Therefore, the Committee recommends \$250,000,000 in advance procurement funding for investment in engineering design and planning, and long lead time equipment including propulsion, steering and electrical generating equipment, air conditioning plants, castings, and other items necessary to accelerate construction start of the first LX(R) vessel.

Finally, consistent with S. 1376, the National Defense Authorization Act for Fiscal Year 2016, as reported, the Committee recommends an additional \$199,000,000 in advance procurement funding for the LHA amphibious assault warship replacement program. As noted in the report accompanying S. 1376, these additional funds would expedite delivery of LHA 8 enabling the Navy to reach the force structure assessment objective of 11 large deck amphibious ships as early as fiscal year 2023.

Joint High Speed Vessel [JHSV].—The Department of the Navy is procuring JHSVs for fast intra-theater transportation of troops, military vehicles and equipment. Congress provided funds for an additional JHSV in the Department of Defense Appropriations Act, 2015 (Public Law 113-235) because the Navy assumed risk with the overall JHSV requirement when it reduced the program procurement objective from 18 to 10 ships with the fiscal year 2013 budget submission. Considering the ability of the JHSV to support all branches of the military services, provide intra-theater sealift, operate in littoral environments and austere port environments, and support humanitarian/disaster relief activities, the Committee continues to support procuring additional JHSVs to address the original requirement. Further, the Committee continues to note that one JHSV continues to be used as an experimental test platform for Navy technology projects. Therefore, the Committee recommends \$225,000,000 to procure one JHSV in fiscal year 2016.

Cruiser and Dock Landing Ship Phased Modernization.—The Navy's fiscal year 2016 budget request does not fully fund a phased modernization plan for Cruiser and Dock Landing ships, in contravention to direction provided in the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291) and the Department of Defense Appropriations Act, 2015 (Public Law 113-235). Consistent with the report accompanying the Senate version of the fiscal year 2016 National Defense Authorization Act (Senate Report 114-49), as re-

ported, the Committee believes the Navy should request full funding in fiscal year 2017 and throughout the future years defense program [FYDP] for the phased modernization program for cruisers and dock landing ships in the regular appropriations accounts. Consistent with Committee direction provided since fiscal year 2013, the Committee expects the Navy to fully program across the FYDP for all manpower, readiness, and modernization associated with its phased modernization plan.

Intergovernmental Support for New Vessel Construction.—The Committee recognizes that the Navy has the most experienced Federal capacity and capability for managing new vessel construction and acquisition. Leveraging the successful construction of the Navy's Auxiliary General Oceanographic Research [AGOR] class vessel built for the Nation's academic research fleet, the National Oceanic and Atmospheric Administration [NOAA] has been coordinating with the Navy on the design and acquisition for NOAA's new series of Ocean Survey Vessels. While funding for NOAA vessels is provided in legislation making appropriations for the Departments of Commerce and Justice, for science-related programs, and related agencies, and not this act, the Committee directs the Navy to continue working with NOAA to support the interagency agreement for the Navy to acquire ships for NOAA, which was signed by the two agencies in May 2014.

Polar-Class Icebreakers.—Senate Report 113–211, accompanying the Department of Defense Appropriations Act, 2015, noted the Committee's support for the interagency process to develop requirements for a new Polar-class icebreaker or similarly Arctic-capable surface vessel to recognize the strategic importance of Arctic operations to our Nation's future security and prosperity. Accordingly, Senate Report 113–211 directed the Deputy Secretary of Defense, in cooperation with the Secretary of the Navy and the Commandant of the United States Coast Guard to provide the congressional defense committees a plan to begin expanding U.S. icebreaking capacity. The Committee looks forward to receiving the report and associated briefing in a timely manner.

OTHER PROCUREMENT, NAVY

Appropriations, 2015	\$5,846,558,000
Budget estimate, 2016	6,614,715,000
Committee recommendation	6,329,750,000

The Committee recommends an appropriation of \$6,329,750,000.
This is \$284,965,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

(Dollars in thousands)

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER PROCUREMENT, NAVY						
	SHIPS SUPPORT EQUIPMENT						
	SHIP PROPULSION EQUIPMENT						
1	LM-2500 GAS TURBINE		4,881		4,881		
2	ALLISON 501K GAS TURBINE		5,814		5,814		
3	HYBRID ELECTRIC DRIVE [HED]		32,906		29,106		- 3,800
	GENERATORS						
4	SURFACE COMBATANT HM&E		36,860		36,860		
	NAVIGATION EQUIPMENT						
5	OTHER NAVIGATION EQUIPMENT		87,481		87,481		
	PERISCOPES						
6	SUB PERISCOPES & IMAGING EQUIP		63,109		63,109		
	OTHER SHIPBOARD EQUIPMENT						
7	DDG MOD		364,157		361,195		- 2,962
8	FIREFIGHTING EQUIPMENT		16,089		13,983		- 2,106
9	COMMAND AND CONTROL SWITCHBOARD		2,255		2,255		
10	LHA/LHD MIDLIFE		28,571		26,545		- 2,026
11	LCC 19/20 EXTENDED SERVICE LIFE		12,313		8,631		- 3,682
12	POLLUTION CONTROL EQUIPMENT		16,609		16,609		
13	SUBMARINE SUPPORT EQUIPMENT		10,498		10,498		
14	VIRGINIA CLASS SUPPORT EQUIPMENT		35,747		35,747		
15	LCS CLASS SUPPORT EQUIPMENT		48,399		39,349		- 9,050
16	SUBMARINE BATTERIES		23,072		23,072		
17	LPD CLASS SUPPORT EQUIPMENT		55,283		43,462		- 11,821
18	STRATEGIC PLATFORM SUPPORT EQUIP		18,563		18,563		
19	DSSP EQUIPMENT		7,376		7,376		
21	LCAC		20,965		15,125		- 5,840
22	UNDERWATER EOD PROGRAMS		51,652		46,376		- 5,276
23	ITEMS LESS THAN \$5 MILLION		102,498		77,860		- 24,638
24	CHEMICAL WARFARE DETECTORS		3,027		3,027		
25	SUBMARINE LIFE SUPPORT SYSTEM		7,399		7,399		

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[Dollars in thousands]

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
27	REACTOR PLANT EQUIPMENT						
	REACTOR COMPONENTS		296,095		296,095		
28	OCEAN ENGINEERING						
	DIVING AND SALVAGE EQUIPMENT		15,982		15,982		
29	SMALL BOATS						
	STANDARD BOATS		29,982		29,982		
30	TRAINING EQUIPMENT						
	OTHER SHIPS TRAINING EQUIPMENT		66,538		43,341		- 23,197
31	PRODUCTION FACILITIES EQUIPMENT						
	OPERATING FORCES IPE		71,138		58,138		- 13,000
32	OTHER SHIP SUPPORT						
	NUCLEAR ALTERATIONS		132,625		132,625		
33	LCS COMMON MISSION MODULES EQUIPMENT		23,500		23,061		- 439
34	LCS MCM MISSION MODULES		85,151		33,701		- 51,450
35	LCS SUW MISSION MODULES		35,228		35,228		
36	REMOTE MINEHUNTING SYSTEM (RMS)		87,627		53,077		- 34,550
37	LOGISTICS SUPPORT						
	LSD MIDLIFE		2,774		2,774		
	TOTAL, SHIPS SUPPORT EQUIPMENT		1,902,164		1,708,327		- 193,837
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	SHIP SONARS						
38	SPQ-9B RADAR		20,551		19,841		- 710
39	AN/SQQ-89 SURF ASW COMBAT SYSTEM		103,241		103,241		
40	SSN ACOUSTICS		214,835		234,835		+ 20,000
41	UNDERSEA WARFARE SUPPORT EQUIPMENT		7,331		7,331		
42	SONAR SWITCHES AND TRANSDUCERS		11,781		11,781		
	ASW ELECTRONIC EQUIPMENT						
44	SUBMARINE ACOUSTIC WARFARE SYSTEM		21,119		18,696		- 2,423
45	SSTD		8,396		8,396		

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46	FIXED SURVEILLANCE SYSTEM	146,968	146,968	
47	SURTASS	12,953	12,953	
48	MARITIME PATROL AND RECONNAISSANCE FORCE	13,725	13,725	
	ELECTRONIC WARFARE EQUIPMENT			
49	AN/SLQ-32	324,726	302,732	- 21,994
	RECONNAISSANCE EQUIPMENT			
50	SHIPBOARD IW EXPLOIT	148,221	138,002	- 10,219
51	AUTOMATED IDENTIFICATION SYSTEM (AIS)	152	152	
	SUBMARINE SURVEILLANCE EQUIPMENT			
52	SUBMARINE SUPPORT EQUIPMENT PROG	79,954	78,816	- 1,138
	OTHER SHIP ELECTRONIC EQUIPMENT			
53	COOPERATIVE ENGAGEMENT CAPABILITY	25,695	25,695	
54	TRUSTED INFORMATION SYSTEM (TIS)	284	284	
55	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS)	14,416	14,416	
56	ATDLS	23,069	23,069	
57	NAVY COMMAND AND CONTROL SYSTEM (NCCS)	4,054	4,054	
58	MINESWEEPING SYSTEM REPLACEMENT	21,014	21,014	
59	SHALLOW WATER MCM	18,077		- 18,077
60	NAVSTAR GPS RECEIVERS (SPACE)	12,359	12,359	
61	ARMED FORCES RADIO AND TV	4,240	4,240	
62	STRATEGIC PLATFORM SUPPORT EQUIP	17,440	17,440	
	TRAINING EQUIPMENT			
63	OTHER TRAINING EQUIPMENT	41,314	41,314	
	AVIATION ELECTRONIC EQUIPMENT			
64	MATGALS	10,011	10,011	
65	SHIPBOARD AIR TRAFFIC CONTROL	9,346	9,346	
66	AUTOMATIC CARRIER LANDING SYSTEM	21,281	21,281	
67	NATIONAL AIR SPACE SYSTEM	25,621	25,621	
68	FLEET AIR TRAFFIC CONTROL SYSTEMS	8,249	8,249	
69	LANDING SYSTEM	14,715	14,715	
70	ID SYSTEMS	29,676	29,676	
71	TAC A/C MISSION PLANNING SYS[TAMPS]	13,737	13,737	
	OTHER SHORE ELECTRONIC EQUIPMENT			
72	DEPLOYABLE JOINT COMMAND AND CONT	1,314	1,314	
73	TADIX-B	13,600	13,600	
75	DCGS-N	31,809	31,809	
76	CANES	278,991	275,641	- 3,350

[Dollars in thousands]

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
77	RADIAC		8,294		8,294		
78	CANES-INTELL		28,695		28,695		
79	GPETE		6,962		6,962		
80	MASF		290		290		
81	INTEG COMBAT SYSTEM TEST FACILITY		14,419		14,419		
82	EMI CONTROL INSTRUMENTATION		4,175		4,175		
83	ITEMS LESS THAN \$5 MILLION		44,176		44,176		
	SHIPBOARD COMMUNICATIONS						
84	SHIPBOARD TACTICAL COMMUNICATIONS		8,722		8,722		
85	SHIP COMMUNICATIONS AUTOMATION		108,477		108,477		
86	COMMUNICATIONS ITEMS UNDER \$5M		16,613		16,613		
	SUBMARINE COMMUNICATIONS						
87	SUBMARINE BROADCAST SUPPORT		20,691		16,021		-4,670
88	SUBMARINE COMMUNICATION EQUIPMENT		60,945		60,945		
	SATELLITE COMMUNICATIONS						
89	SATELLITE COMMUNICATIONS SYSTEMS		30,892		30,892		
90	NAVY MULTIBAND TERMINAL (NMT)		118,113		118,113		
	SHORE COMMUNICATIONS						
91	JCS COMMUNICATIONS EQUIPMENT		4,591		4,591		
92	ELECTRICAL POWER SYSTEMS		1,403		1,403		
	CRYPTOGRAPHIC EQUIPMENT						
93	INFO SYSTEMS SECURITY PROGRAM (ISSP)		135,687		135,687		
94	MIO INTEL EXPLOITATION TEAM		970		970		
	CRYPTOLOGIC EQUIPMENT						
95	CRYPTOLOGIC COMMUNICATIONS EQUIP		11,433		11,433		
	OTHER ELECTRONIC SUPPORT						
96	COAST GUARD EQUIPMENT		2,529		2,529		
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT		2,382,342		2,339,761		-42,581

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	AVIATION SUPPORT EQUIPMENT				
	SONOBUOYS				
97	SONOBUOYS—ALL TYPES	168,763		168,763	
	AIRCRAFT SUPPORT EQUIPMENT				
98	WEAPONS RANGE SUPPORT EQUIPMENT	46,979		46,979	
100	AIRCRAFT LAUNCH & RECOVERY EQUIPMENT	123,884		123,884	
103	METEOROLOGICAL EQUIPMENT	15,090		15,090	
104	OTHER PHOTOGRAPHIC EQUIPMENT	638		638	
106	AIRBORNE MINE COUNTERMEASURES	14,098		14,098	
111	AVIATION SUPPORT EQUIPMENT	49,773		49,773	
	TOTAL, AVIATION SUPPORT EQUIPMENT	419,225		419,225	
	ORDNANCE SUPPORT EQUIPMENT				
	SHIP GUN SYSTEM EQUIPMENT				
112	SHIP GUN SYSTEMS EQUIPMENT	5,300		5,300	
	SHIP MISSILE SYSTEMS EQUIPMENT				
115	SHIP MISSILE SUPPORT EQUIPMENT	298,738		276,503	- 22,235
120	TOMAHAWK SUPPORT EQUIPMENT	71,245		71,245	
	FBM SUPPORT EQUIPMENT				
123	STRATEGIC MISSILE SYSTEMS EQUIP	240,694		240,694	
	ASW SUPPORT EQUIPMENT				
124	SSN COMBAT CONTROL SYSTEMS	96,040		96,040	
125	ASW SUPPORT EQUIPMENT	30,189		30,189	
	OTHER ORDNANCE SUPPORT EQUIPMENT				
129	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	22,623		22,623	
130	ITEMS LESS THAN \$5 MILLION	9,906		9,906	
	OTHER EXPENDABLE ORDNANCE				
134	TRAINING DEVICE MODS	99,707		99,707	
	TOTAL, ORDNANCE SUPPORT EQUIPMENT	874,442		852,207	- 22,235
	CIVIL ENGINEERING SUPPORT EQUIPMENT				
135	PASSENGER CARRYING VEHICLES	2,252		2,252	
136	GENERAL PURPOSE TRUCKS	2,191		2,191	
137	CONSTRUCTION & MAINTENANCE EQUIP	2,164		2,164	
138	FIRE FIGHTING EQUIPMENT	14,705		14,705	

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(Dollars in thousands)

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
139	TACTICAL VEHICLES		2,497		2,497		
140	AMPHIBIOUS EQUIPMENT		12,517		12,517		
141	POLLUTION CONTROL EQUIPMENT		3,018		3,018		
142	ITEMS UNDER \$5 MILLION		14,403		14,403		
143	PHYSICAL SECURITY VEHICLES		1,186		1,186		
	TOTAL, CIVIL ENGINEERING SUPPORT EQUIPMENT		54,933		54,933		
	SUPPLY SUPPORT EQUIPMENT						
144	MATERIALS HANDLING EQUIPMENT		18,805		18,805		
145	OTHER SUPPLY SUPPORT EQUIPMENT		10,469		10,469		
146	FIRST DESTINATION TRANSPORTATION		5,720		5,720		
147	SPECIAL PURPOSE SUPPLY SYSTEMS		211,714		211,714		
	TOTAL, SUPPLY SUPPORT EQUIPMENT		246,708		246,708		
	PERSONNEL AND COMMAND SUPPORT EQUIPMENT						
	TRAINING DEVICES						
148	TRAINING SUPPORT EQUIPMENT		7,468		7,468		
	COMMAND SUPPORT EQUIPMENT						
149	COMMAND SUPPORT EQUIPMENT		36,433		36,433		
150	EDUCATION SUPPORT EQUIPMENT		3,180		3,180		
151	MEDICAL SUPPORT EQUIPMENT		4,790		4,790		
153	NAVAL MIP SUPPORT EQUIPMENT		4,608		4,608		
154	OPERATING FORCES SUPPORT EQUIPMENT		5,655		5,655		
155	C4ISR EQUIPMENT		9,929		9,929		
156	ENVIRONMENTAL SUPPORT EQUIPMENT		26,795		21,062		-5,733
157	PHYSICAL SECURITY EQUIPMENT		88,453		88,453		
159	ENTERPRISE INFORMATION TECHNOLOGY		99,094		99,094		
160	NEXT GENERATION ENTERPRISE SERVICE		99,014		99,014		
	TOTAL, PERSONNEL AND COMMAND SUPPORT EQUIPMENT		385,419		379,686		-5,733
161	SPARES AND REPAIR PARTS		328,043		307,464		-20,579

CLASSIFIED PROGRAMS .....	.....	21,439	.....	21,439	.....	.....
TOTAL, OTHER PROCUREMENT, NAVY .....	.....	6,614,715	.....	6,329,750	.....	- 284,965

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
3	Hybrid Electric Drive (HED)	32,906	29,106	- 3,800
	Improving funds management: Support funding ahead of need			- 2,000
	Restoring acquisition accountability: Excess installation funding			- 1,800
7	DDG Mod	364,157	361,195	- 2,962
	Improving funds management: AWS upgrade prior year contract savings			- 2,962
8	Firefighting Equipment	16,089	13,983	- 2,106
	Restoring acquisition accountability: SCBA cost growth			- 2,106
10	LHA/LHD Midlife	28,571	26,545	- 2,026
	Improving funds management: VSD fire pump ahead of need			- 2,026
11	LCC 19/20 Extended Service Life Program	12,313	8,631	- 3,682
	Restoring acquisition accountability: LCC air search radar contract delay			- 3,682
15	LCS Class Support Equipment	48,399	39,349	- 9,050
	Restoring acquisition accountability: Habitability modification early to need			- 9,050
17	LPD Class Support Equipment	55,283	43,462	- 11,821
	Improving funds management: HW/SW obsolescence excess installation funding			- 2,000
	Improving funds management: Prior year carryover due to contract delays			- 9,821
21	LCAC	20,965	15,125	- 5,840
	Improving funds management: LCAC systems upgrade excess growth			- 5,840
22	Underwater EOD Programs	51,652	46,376	- 5,276
	Improving funds management: HULS retrofit kits ahead of need			- 1,652
	Improving funds management: MK18 mod 2 retrofit kits ahead of need			- 3,624
23	Items Less Than \$5 Million	102,498	77,860	- 24,638
	Improving funds management: Machinery plant upgrades excess installation funding			- 2,000
	Improving funds management: Automated voltage regulator funding carryover			- 5,149
	Improving funds management: PCMS funding carryover			- 10,555
	Restoring acquisition accountability: MLP AFSB SOF backfit excess cost			- 6,934
30	Other Ships Training Equipment	66,538	43,341	- 23,197
	Restoring acquisition accountability: LCS virtual ship training system growth			- 4,180
	Restoring acquisition accountability: LCS integrated tactical trainer ahead of need			- 19,017
31	Operating Forces Ipe	71,138	58,138	- 13,000
	Improving funds management: Shipyard capital investment program excess growth			- 13,000
33	LCS Common Mission Modules Equipment	23,500	23,061	- 439
	Restoring acquisition accountability: MPCE cost growth			- 439
34	LCS MCM Mission Modules	85,151	33,701	- 51,450
	Restoring acquisition accountability: COBRA ahead of need			- 17,700
	Restoring acquisition accountability: MCM mission module ahead of need			- 33,750
36	Remote Minehunting System (RMS)	87,627	53,077	- 34,550

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(In thousands of dollars)

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
	Restoring acquisition accountability: RMMV ahead of need			-34,550
38	SPQ-9B Radar	20,551	19,841	-710
	Improving funds management: Installation funding carryover			-710
40	SSN Acoustics	214,835	234,835	+20,000
	Authorization adjustment: Towed array—Navy UFR			+20,000
44	Submarine Acoustic Warfare System	21,119	18,596	-2,423
	Improving funds management: NAE beacon contract savings			-2,423
49	AN/SLO-32	324,726	302,732	-21,994
	Restoring acquisition accountability: Block 1B3 excess installation funding			-1,898
	Restoring acquisition accountability: Block 2 excess installation funding			-20,096
50	Shipboard IW Exploit	148,221	138,002	-10,219
	Restoring acquisition accountability: SSEE increment F ship cost growth			-5,419
	Restoring acquisition accountability: SSEE increment F ship excess installation funding due to contract delays			-4,800
52	Submarine Support Equipment Prog	79,954	78,816	-1,138
	Restoring acquisition accountability: ICADF MMM antenna installation funding ahead of need			-1,138
59	Shallow Water MCM	18,077		-18,077
	Restoring acquisition accountability: COBRA ahead of need			-18,077
76	CANES	278,991	275,641	-3,350
	Restoring acquisition accountability: Installation cost growth			-3,350
87	Submarine Broadcast Support	20,691	16,021	-4,670
	Improving funds management: Low Band Universal Communication System (LBUCS) ahead of need			-4,670
115	Ship Missile Support Equipment	298,738	276,503	-22,235
	Maintain program affordability: Aegis support equipment excess growth			-22,235
156	Environmental Support Equipment	26,795	21,062	-5,733
	Improving funds management: Prior year carryover			-5,733
161	Spares and Repair Parts	328,043	307,464	-20,579
	Improving funds management: Prior year carryover			-20,579

Littoral Combat Ship [LCS] Mission Modules.—The Committee continues to be concerned with the Navy's acquisition strategy for LCS mission modules. The Government Accountability Office has repeatedly noted that the Navy's strategy includes buying significant numbers of LCS mission modules before their performance is demonstrated and that the current inventory of mission packages exceeds the quantities necessary for operational testing. Additionally, the Director of Operational Test and Evaluation [DOT&E] noted in the latest DOT&E annual report that low operator proficiency, software immaturity, system integration issues and poor reliability of mine countermeasure components have continued to plague the program. Given these ongoing testing concerns, the Committee finds it prudent to slow the procurement of LCS mission modules and recommends a total reduction of \$104,516,000 to the fiscal year 2016 budget request for LCS mission modules and related components.

PROCUREMENT, MARINE CORPS

Appropriations, 2015	\$935,209,000
Budget estimate, 2016	1,131,418,000
Committee recommendation	1,239,618,000

The Committee recommends an appropriation of \$1,239,618,000.
This is \$108,200,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

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(Dollars in thousands)

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
PROCUREMENT, MARINE CORPS							
WEAPONS AND COMBAT VEHICLES							
TRACKED COMBAT VEHICLES							
1	AAV7A1 PIP		26,744		26,744		
2	LAV PIP		54,879		48,979		- 5,900
ARTILLERY AND OTHER WEAPONS							
3	EXPEDITIONARY FIRE SUPPORT SYSTEM		2,652		2,652		
4	155MM LIGHTWEIGHT TOWED HOWITZER		7,482		7,482		
5	HIGH MOBILITY ARTILLERY ROCKET SYSTEM		17,181		17,181		
6	WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION		8,224		8,224		
OTHER SUPPORT							
7	MODIFICATION KITS		14,467		14,467		
8	WEAPONS ENHANCEMENT PROGRAM		488		488		
	TOTAL, WEAPONS AND COMBAT VEHICLES		132,117		126,217		- 5,900
GUIDED MISSILES AND EQUIPMENT							
GUIDED MISSILES							
9	GROUND BASED AIR DEFENSE		7,565		7,565		
10	JAVELIN		1,091		1,091		
11	FOLLOW ON TO SMAW		4,872		4,872		
12	ANTI-ARMOR WEAPONS SYSTEM-HEAVY (AAWS-H)		668		668		
OTHER SUPPORT							
13	MODIFICATION KITS		12,495	2,070	152,495	+ 2,070	+ 140,000
	TOTAL, GUIDED MISSILES AND EQUIPMENT		26,691		166,691		+ 140,000
COMMUNICATIONS AND ELECTRONICS EQUIPMENT							
COMMAND AND CONTROL SYSTEMS							
14	COMBAT OPERATIONS CENTER		13,109		13,109		
15	COMMON AVIATION COMMAND AND CONTROL SYS		35,147		16,747		- 18,400

[Dollars in thousands]

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
16	REPAIR AND TEST EQUIPMENT						
	REPAIR AND TEST EQUIPMENT		21,210		21,210		
	OTHER SUPPORT (TEL)						
17	COMBAT SUPPORT SYSTEM		792		792		
	COMMAND AND CONTROL						
19	ITEMS UNDER \$5 MILLION (COMM & ELEC)		3,642		3,642		
20	AIR OPERATIONS C2 SYSTEMS		3,520		3,520		
	RADAR + EQUIPMENT (NON-TEL)						
21	RADAR SYSTEMS		35,118		35,118		
22	GROUND/AIR TASK ORIENTED RADAR	3	130,661	3	130,661		
23	RQ-21 UAS	4	84,916	4	84,916		
	INTELL/COMM EQUIPMENT (NON-TEL)						
24	FIRE SUPPORT SYSTEM		9,136		9,136		
25	INTELLIGENCE SUPPORT EQUIPMENT		29,936		29,936		
28	DCGS-MC		1,947		1,947		
	OTHER COMM/ELEC EQUIPMENT (NON-TEL)						
31	NIGHT VISION EQUIPMENT		2,018		2,018		
32	NEXT GENERATION ENTERPRISE NETWORK (NGEN)		67,295		67,295		
	OTHER SUPPORT (NON-TEL)						
33	COMMON COMPUTER RESOURCES		43,101		33,101		- 10,000
34	COMMAND POST SYSTEMS		29,255		29,255		
35	RADIO SYSTEMS		80,584		80,584		
36	COMM SWITCHING & CONTROL SYSTEMS		66,123		66,123		
37	COMM & ELEC INFRASTRUCTURE SUPPORT		79,486		79,486		
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT		736,996		708,596		- 28,400
	SUPPORT VEHICLES						
	ADMINISTRATIVE VEHICLES						
38	COMMERCIAL PASSENGER VEHICLES		3,538		3,538		
39	COMMERCIAL CARGO VEHICLES		22,806		22,806		

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	TACTICAL VEHICLES					
41	MOTOR TRANSPORT MODIFICATIONS		7,743		7,743	
43	JOINT LIGHT TACTICAL VEHICLE	109	79,429	109	79,429	
44	FAMILY OF TACTICAL TRAILERS		3,157		3,157	
	OTHER SUPPORT					
45	ITEMS LESS THAN \$5 MILLION		6,938		6,938	
	TOTAL, SUPPORT VEHICLES		123,611		123,611	
	ENGINEER AND OTHER EQUIPMENT					
	ENGINEER AND OTHER EQUIPMENT					
46	ENVIRONMENTAL CONTROL EQUIP ASSORT		94		94	
47	BULK LIQUID EQUIPMENT		896		896	
48	TACTICAL FUEL SYSTEMS		136		136	
49	POWER EQUIPMENT ASSORTED		10,792		10,792	
50	AMPHIBIOUS SUPPORT EQUIPMENT		3,235		3,235	
51	EOD SYSTEMS		7,666		7,666	
	MATERIALS HANDLING EQUIPMENT					
52	PHYSICAL SECURITY EQUIPMENT		33,145		33,145	
53	GARRISON MOBILE ENGR EQUIP		1,419		1,419	
	GENERAL PROPERTY					
57	TRAINING DEVICES		24,163		24,163	
58	CONTAINER FAMILY		962		962	
59	FAMILY OF CONSTRUCTION EQUIPMENT		6,545		9,045	+ 2,500
60	FAMILY OF INTERNALLY TRANSPORTABLE VEHICLE (ITV)		7,533		7,533	
	OTHER SUPPORT					
62	ITEMS LESS THAN \$5 MILLION		4,322		4,322	
	TOTAL, ENGINEER AND OTHER EQUIPMENT		100,908		103,408	+ 2,500
63	SPARES AND REPAIR PARTS		8,292		8,292	
	CLASSIFIED PROGRAMS		2,803		2,803	
	TOTAL, PROCUREMENT, MARINE CORPS		1,131,418		1,239,618	+ 108,200

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

(in thousands of dollars)

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
2	LAV PIP	54,879	48,979	- 5,900
	Improving funds management: Prior year carryover			- 5,900
13	Modification Kits	12,495	152,495	+ 140,000
	Authorization adjustment: Additional missiles			+ 140,000
15	Common Aviation Command and Control System	35,147	16,747	- 18,400
	Restoring acquisition accountability: Procurement early to need			- 18,400
33	Common Computer Resources	43,101	33,101	- 10,000
	Improving funds management: Prior year carryover			- 10,000
59	Family of Construction Equipment	6,545	9,045	+ 2,500
	Program increase: Grade control systems			+ 2,500

AIRCRAFT PROCUREMENT, AIR FORCE

Appropriations, 2015	\$12,067,703,000
Budget estimate, 2016	15,657,769,000
Committee recommendation	15,890,661,000

The Committee recommends an appropriation of \$15,890,661,000.
This is \$232,892,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
AIRCRAFT PROCUREMENT, AIR FORCE							
COMBAT AIRCRAFT							
TACTICAL FORCES							
1	F-35	44	5,260,212	44	5,357,812		+ 97,600
2	F-35 [AP-CY]		460,260		460,260		
	TOTAL, COMBAT AIRCRAFT		5,720,472		5,818,072		+ 97,600
AIRLIFT AIRCRAFT							
OTHER AIRLIFT							
3	KC-46A TANKER	12	2,350,601	12	2,350,601		
4	C-130J	14	889,154	14	848,354		- 40,800
5	C-130J ADVANCE PROCUREMENT (CY)		50,000		50,000		
6	HC-130J	5	463,934	5	453,934		- 10,000
7	HC-130J		30,000		30,000		
8	MC-130J	8	828,472	8	790,872		- 37,600
9	MC-130J (AP)		60,000		60,000		
	TOTAL, AIRLIFT AIRCRAFT		4,672,161		4,583,761		- 88,400
OTHER AIRCRAFT							
HELICOPTERS							
MISSION SUPPORT AIRCRAFT							
11	CIVIL AIR PATROL A/C	6	2,617	6	10,417		+ 7,800
OTHER AIRCRAFT							
12	TARGET DRONES	75	132,028	75	132,028		
14	RQ-4 UAV		37,800		29,900		- 7,900
15	MQ-9	29	552,528	29	693,928		+ 141,400
	TOTAL, OTHER AIRCRAFT		724,973		866,273		+ 141,300

MODIFICATION OF INSERVICE AIRCRAFT				
STRATEGIC AIRCRAFT				
17	B-2A	32,458	32,458	
18	B-1B	114,119	114,119	
19	B-52	148,987	144,987	- 4,000
20	LARGE AIRCRAFT INFRARED COUNTERMEASURES	84,335	84,335	
TACTICAL AIRCRAFT				
22	F-15	464,367	682,071	+ 217,704
23	F-16	17,134	17,134	
24	F-22A	126,152	126,152	
25	F-35 MODIFICATIONS	70,167	70,167	
26	INCREMENT 3.2b	69,325	64,325	- 5,000
AIRLIFT AIRCRAFT				
28	C-5	5,604	2,604	- 3,000
30	C-17A	46,997	46,997	
31	C-21	10,162	9,860	- 302
32	C-32A	44,464	44,464	
33	C-37A	10,861	10,861	
TRAINER AIRCRAFT				
34	GLIDER MODS	134	134	
35	T6	17,968	17,968	
36	T-1	23,706	22,956	- 750
37	T-38	30,604	30,604	
OTHER AIRCRAFT				
38	U-2 MODS	22,095	22,095	
39	KC-10A (ATCA)	5,611	5,611	
40	C-12	1,980	1,980	
42	VC-25A MOD	98,231	98,231	
43	C-40	13,171	6,586	- 6,585
44	C-130	7,048	140,248	+ 133,200
45	C130J MODS	29,713	997	- 28,716
46	C-135	49,043	49,043	
47	COMPASS CALL MODS	68,415	97,115	+ 28,700
48	RC-135	156,165	156,165	
49	E-3	13,178	13,178	
50	E-4	23,937	23,937	
51	E-8	18,001	18,001	
52	AIRBORNE WARNING AND CONTROL SYSTEM	183,308	183,308	

(Dollars in thousands)

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
53	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS		44,163		44,163		
54	H-1		6,291		6,291		
55	UH-1N REPLACEMENT		2,456		2,456		
56	H-60		45,731		23,831		- 21,900
57	RQ-4 UAV MODS		50,022		50,022		
58	HC/MC-130 MODIFICATIONS		21,660		16,660		- 5,000
59	OTHER AIRCRAFT		117,767		5,521		- 112,246
60	MQ-1 MODS		3,173		1,673		- 1,500
61	MQ-9 MODS		115,226		115,226		
63	CV-22 MODS		58,828		58,828		
	TOTAL, MODIFICATION OF INSERVICE AIRCRAFT		2,472,757		2,663,362		+ 190,605
	AIRCRAFT SPARES AND REPAIR PARTS						
64	INITIAL SPARES/REPAIR PARTS		656,242		656,242		
	TOTAL, AIRCRAFT SPARES AND REPAIR PARTS		656,242		656,242		
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES						
	COMMON SUPPORT EQUIPMENT						
65	AIRCRAFT REPLACEMENT SUPPORT EQUIP		33,716		33,716		
	POST PRODUCTION SUPPORT						
67	B-2A		38,837		38,837		
68	B-52		5,911		5,911		
69	C-17A		30,108		15,054		- 15,054
70	CV-22 POST PRODUCTION SUPPORT		3,353		3,353		
71	C-135		4,490		2,245		- 2,245
72	F-15 POST PRODUCTION SUPPORT		3,225		3,225		
73	F-16 POST PRODUCTION SUPPORT		14,969		14,969		
74	F-22A		971		971		
76	MQ-9		5,000		5,000		
	INDUSTRIAL PREPAREDNESS						
77	INDUSTRIAL PREPAREDNESS		18,802		18,802		

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78	WAR CONSUMABLES					
	WAR CONSUMABLES		156,465		156,465	
79	OTHER PRODUCTION CHARGES					
	OTHER PRODUCTION CHARGES		1,052,814		961,900	- 90,914
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES		1,368,661		1,260,448	- 108,213
	CLASSIFIED PROGRAMS		42,503		42,503	
	TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE		15,657,769		15,890,661	+ 232,892

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COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

(in thousands of dollars)

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
1	F-35	5,260,212	5,357,812	+ 97,600
	Restoring acquisition accountability: Delayed sustainment contract awards			- 180,000
	Restoring acquisition accountability: Unit cost growth			- 114,400
	Program increase: 4 additional aircraft utilizing program savings			+ 392,000
4	C-130J	889,154	848,354	- 40,800
	Restoring acquisition accountability: Unit cost growth and contract delays			- 40,800
6	HC-130J	463,934	453,934	- 10,000
	Restoring acquisition accountability: Unit cost growth			- 10,000
8	MC-130J	828,472	790,872	- 37,600
	Restoring acquisition accountability: Excess trainer funds and unit cost growth			- 37,600
11	Civil Air Patrol A/C	2,617	10,417	+ 7,800
	Program Increase			+ 7,800
14	RQ-4	37,800	29,900	- 7,900
	Restoring acquisition accountability: Unjustified other production request			- 7,900
15	MQ-9	552,528	693,928	+ 141,400
	Restoring acquisition accountability: Program management and unit cost growth			- 18,600
	Program increase: Procure eight MQ-9 aircraft—AF UFR			+ 160,000
19	B-52	148,987	144,987	- 4,000
	Restoring acquisition accountability: CONECT unit cost growth			- 4,000
22	F-15	464,367	682,071	+ 217,704
	Transfer F-15: AF requested to RDAF Line #136 F-15 Squadrons			- 12,796
	Restoring acquisition accountability: Milestone C delay ..			- 10,000
	Authorization adjustment: F-15C AESA radars (6)			+ 48,000
	Authorization adjustment: F-15D AESA radars (24)			+ 192,500
26	Increment 3.2b (F-22)	69,325	64,325	- 5,000
	Restoring acquisition accountability: Cost growth for 3.2B kits			- 5,000
28	C-5	5,604	2,604	- 3,000
	Improving funds management: Prior year carryover			- 3,000
31	C-21	10,162	9,860	- 302
	Improving funds management: Prior year carryover			- 302
36	T-1	23,706	22,956	- 750
	Restoring acquisition accountability: Excess program management and prior year carryover			- 750
43	C-40	13,171	6,586	- 6,585
	Improving funds management: Prior year carryover			- 6,585
44	C-130	7,048	140,248	+ 133,200
	Authorization adjustment: C-130H Electronic Prop Control System—AF UFR			+ 13,500
	Authorization adjustment: C-130H In-flight Prop Balancing System—AF UFR			+ 1,500
	Authorization adjustment: C-130H T-56 3.5 Engine Mods			+ 33,200
	Authorization adjustment: Funds to comply with Section 134, Fiscal Year 2015 NDAA			+ 75,000
	Program increase: Eight bladed propeller system			+ 10,000
45	C-130J Mods	29,713	997	- 28,716
	Restoring acquisition accountability: Block 8.1 development slip			- 28,716
47	Compass Call Mods EC-130	68,415	97,115	+ 28,700

[In thousands of dollars]

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
	Authorization adjustment: Modification for restored EC-130H			+ 28,700
56	H-60	45,731	23,831	- 21,900
	Restoring acquisition accountability: Milestone C delay ..			- 21,900
58	HC/MC-130 Modifications	21,660	16,660	- 5,000
	Restoring acquisition accountability: Block 8.1 development slip			- 5,000
59	Other Aircraft	117,767	5,521	- 112,246
	Transfer COMSEC equipment: AF requested to OPAF Line #11 COMSEC			- 2,246
	Budget documentation disparity: Unjustified request			- 110,000
60	MQ-1 Mods	3,173	1,673	- 1,500
	Restoring acquisition accountability: Excess initial spares			- 1,500
69	C-17A	30,108	15,054	- 15,054
	Improving funds management: Prior year carryover			- 15,054
71	C-135	4,490	2,245	- 2,245
	Improving funds management: Prior year carryover			- 2,245
79	Other Production Charges	1,052,814	961,900	- 90,914
	Transfer NATO AGS: AF requested from RDAF Line #216 NATO AGS			+ 59,086
	Classified program adjustment			- 150,000

C-130 Beddown.—The Committee notes that the Air Force has not formally established a long term plan to augment the National Guard's fleet of C-130Hs with C-130Js. To accept new aircraft and to plan for modification of their existing C-130H fleet, the National Guard needs adequate time to prepare and budget for the future fleet mix. Therefore, the Committee directs the Secretary of the Air Force to provide a beddown plan that lays out, by location and fiscal year through the end of the C-130H's expected life, the future mix of the National Guard's C-130H and C-130J fleet not later than 180 days after enactment of this act.

F-16 Avionics Upgrade.—The F-16 Fighting Falcon is currently the primary multi-mission fighter for the Air Force. As threats and tactics evolve and weapons and sensor technologies improve, the need to modernize F-16 avionics to take full advantage of these advances becomes undeniable. Therefore, the Committee encourages the Air Force to undertake strategic avionics upgrades to ensure the F-16, particularly the older blocks, remains capable of fulfilling its central role in the fleet and combat relevance.

USAF UH-1N Replacement.—The fiscal year 2016 President's budget request includes \$2,456,000 for the UH-1N replacement program. The Committee notes that there is no research and development funding for this program, and that the Air Force will proceed directly to procurement of non-developmental aircraft. The Committee is encouraged by this methodology as long as Joint Requirements Oversight Council validated requirements are met. The Committee believes this acquisition strategy may lower sustainment costs and affords expeditious procurement that will enable the Air Force to meet its objective of fielding replacement aircraft by 2017.

C-130 Avionics Modernization Program.—The Secretary of the Air Force may proceed with and accelerate a C-130H modification program known as AMP Increment 1 to address safety and air-

space compliance requirements, using funds provided in this bill and previous funds appropriated for the avionics modernization program of record. In addition, the Committee expects the Air Force to continue efforts for AMP Increment 2 modifications, using previously purchased components and leveraging research and development efforts to the maximum extent practical.

Undefinitized Contract Actions (UCA).—In the report accompanying the Senate version of the Department of Defense Appropriations Act, 2015 (Senate Report 113–211), the Committee directed the Government Accountability Office [GAO] to review the use of UCAs within the Aircraft Procurement, Air Force account to determine how often this contracting option is being utilized and for what purpose. The GAO completed the review and highlighted several troubling trends. According to the findings, GAO found that the Air Force obligated \$14,000,000,000 on UCAs from fiscal years 2010 through 2014 and the number of Air Force UCAs awarded has been relatively constant from fiscal year 2011 to 2014. Of the nine UCAs that the GAO reviewed, none were definitized within 180 days of contract award, as required in the Defense Federal Acquisition Regulation. Lastly, they found the Air Force has been using advance procurement funds to award undefinitized long-lead contracts, which the GAO found may be underreported in the Department's semiannual "Undefinitized Contracts" report to Congress. The GAO reported that the most common rationale for definitization delays is insufficient pricing data and changing requirements. The Committee remains extremely concerned with the Air Force's common practice of using UCAs.

The Committee is also concerned with the large amount of unobligated balances within the Aircraft Procurement, Air Force account. During the 2015 mid-year review, the Air Force had \$1,200,000,000 of fiscal year 2013 funds unobligated with only 6 months remaining before expiration, as well as \$3,900,000,000 of fiscal year 2014 funds unobligated. In a fiscally constrained environment, these practices need to change.

The Committee directs the Secretary of the Air Force to develop a policy requiring the Air Force Service Acquisition Executive to review and approve requirements changes when undefinitized contracting actions are utilized and provide a report to the congressional defense committees, not later than 180 days after enactment of this act, on the implementation of such policy. In addition, the Committee is concerned that the "Undefinitized Contracts" report to Congress does not encompass all of the UCAs being used by the Air Force. Therefore, the Committee directs the Air Force to modify the existing "Undefinitized Contracts" report, to include all current and future UCAs, the timeline to definitize each contract, and a plan on how to reduce the use of this contracting methodology on non-urgent requirements.

MISSILE PROCUREMENT, AIR FORCE

Appropriations, 2015	\$4,629,662,000
Budget estimate, 2016	2,987,045,000
Committee recommendation	2,965,869,000

The Committee recommends an appropriation of \$2,965,869,000. This is \$21,176,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	MISSILE PROCUREMENT, AIR FORCE						
	BALLISTIC MISSILES						
	MISSILE REPLACEMENT EQUIPMENT—BALLISTIC						
1	MISSILE REPLACEMENT EQ—BALLISTIC		94,040		94,040		
	OTHER MISSILES						
	TACTICAL						
3	JOINT AIR-SURFACE STANDOFF MISSILE (JASSM)	360	440,578	360	430,578		- 10,000
4	SIDEWINDER (AIM-9X)	506	200,777	506	198,247		- 2,530
5	AMRAAM	262	390,112	262	381,466		- 8,646
6	PREDATOR HELLFIRE MISSILE	3,756	423,016	3,756	423,016		
7	SMALL DIAMETER BOMB	1,942	133,697	1,942	133,697		
	INDUSTRIAL FACILITIES						
8	INDUSTRIAL PREPAREDNESS/POLLUTION PREVENTION		397		397		
	TOTAL, OTHER MISSILES		1,588,577		1,567,401		- 21,176
	MODIFICATION OF INSERVICE MISSILES						
	CLASS IV						
9	MM III MODIFICATIONS		50,517		50,517		
10	AGM-65D MAVERICK		9,639		9,639		
11	AGM-88A HARM		197		197		
12	AIR LAUNCH CRUISE MISSILE		25,019		25,019		
	TOTAL, MODIFICATION OF INSERVICE MISSILES		85,372		85,372		
	SPARES AND REPAIR PARTS						
14	INITIAL SPARES/REPAIR PARTS		48,523		48,523		
	SPECIAL PROGRAMS						
28	SPECIAL UPDATE PROGRAMS		276,562		276,562		
	CLASSIFIED PROGRAMS		893,971		893,971		

TOTAL MISSILE PROCUREMENT, AIR FORCE	2,987,045	2,965,869	-21,176
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COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[in thousands of dollars]

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
3	Joint Air-Surface Standoff Missile	440,578	430,578	- 10,000
	Restoring acquisition accountability: Unit cost efficiencies			- 10,000
4	Sidewinder (AIM-9X)	200,777	198,247	- 2,530
	Restoring acquisition accountability: Unit cost efficiencies			- 2,530
5	AMRAAM	390,112	381,466	- 8,646
	Restoring acquisition accountability: Joint program unit cost variance			- 8,646

Advanced Medium Range Air-to-Air Missile [AMRAAM] Diminishing Manufacturing Sources/Material Shortages [DMSMS].—The Committee remains concerned about increasing AMRAAM DMSMS costs. A fiscal year 2013 Department report required by the Committee estimated AMRAAM DMSMS costs at 12.8 percent of total program production costs from fiscal year 2008 through fiscal year 2015. Actual DMSMS costs in fiscal years 2014 and 2015 were over 19 percent of total program costs, and are estimated to be over 17 percent in fiscal year 2016. For fiscal year 2015, DMSMS expenses almost doubled, from an estimated \$34,000,000 to \$63,000,000. The Committee is aware that many factors contribute to DMSMS costs, and that the Air Force has an active plan to sustain AMRAAM inventory beyond 2030 at reasonable expense. The Committee urges the Air Force to continue to be proactive in this effort.

SPACE PROCUREMENT, AIR FORCE

Appropriations, 2015	
Budget estimate, 2016	\$2,584,061,000
Committee recommendation	2,891,159,000

The Committee recommends an appropriation of \$2,891,159,000. This is \$307,098,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

(Dollars in thousands)

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	SPACE PROCUREMENT, AIR FORCE						
	SPACE PROGRAMS						
1	ADVANCED EHF		333,366		333,366		
2	WIDEBAND GAFILLER SATELLITES		53,476		33,476		-20,000
3	GPS III SPACE SEGMENT	1	199,218	1	199,218		
4	SPACEBORNE EQUIP (COMSEC)		18,362		13,362		-5,000
5	GLOBAL POSITIONING (SPACE)		66,135		66,135		
6	DEF METEOROLOGICAL SAT PROG (SPACE)		89,351				-89,351
7	EVOLVED EXPENDABLE LAUNCH VEH INFRASTRUCTURE (SPACE)		571,276		571,276		
8	EVOLVED EXPENDABLE LAUNCH VEH (SPACE)	5	800,201	5	800,201		
9	SBIR HIGH (SPACE)		452,676		452,676		
10	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS				52,192		+52,192
11	SPACE BASED IR SENSOR PGM SPACE				90,190		+90,190
12	NAVSTAR GPS SPACE				2,029		+2,029
13	NUDET DETECTION SYS SPACE				5,095		+5,095
14	AF SATELLITE CONTROL NETWORK SPACE				76,673		+76,673
15	SPACELIFT RANGE SYSTEM SPACE				93,275		+93,275
16	MILSATCOM SPACE				35,495		+35,495
17	SPACE MODS SPACE				23,435		+23,435
18	COUNTERSPACE SYSTEM				43,065		+43,065
	TOTAL, SPACE PROCUREMENT, AIR FORCE		2,584,061		2,891,159		+307,098

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
2	Wideband Gapfiller Satellites (Space)	53,476	33,476	-20,000
	Restoring acquisition accountability: Unjustified cost growth			-20,000
4	Spaceborne Equip (COMSEC)	18,362	13,362	-5,000
	Improving funds management: Prior year carryover			-5,000
6	Def Meteorological Sat Prog (Space)	89,351		-89,351
	Program termination			-89,351
10	Family of Beyond Line-of-Sight Terminals		52,192	+52,192
	Transfer from Other Procurement, Air Force line 43			+79,592
	Restoring acquisition accountability: Schedule slip			-27,400
11	Space Based Ir Sensor Pgm Space		90,190	+90,190
	Transfer from Other Procurement, Air Force line 44			+90,190
12	Navstar GPS Space		2,029	+2,029
	Transfer from Other Procurement, Air Force line 45			+2,029
13	Nudet Detection Sys Space		5,095	+5,095
	Transfer from Other Procurement, Air Force line 46			+5,095
14	AF Satellite Control Network Space		76,673	+76,673
	Transfer from Other Procurement, Air Force line 47			+76,673
15	Spacelift Range System Space		93,275	+93,275
	Transfer from Other Procurement, Air Force line 48			+113,275
	Improving funds management: Prior year carryover			-20,000
16	Milsatcom Space		35,495	+35,495
	Transfer from Other Procurement, Air Force line 49			+35,495
17	Space Mods Space		23,435	+23,435
	Transfer from Other Procurement, Air Force line 50			+23,435
18	Counterspace System		43,065	+43,065
	Transfer from Other Procurement, Air Force line 51			+43,065

Space Procurement.—The fiscal year 2016 budget requests a new 5-year appropriation account to fund space procurement programs. The Committee supports the creation of a new appropriation account and believes that all space-related procurement line items should be included. Therefore, the Committee recommendation transfers space-related items requested in Other Procurement, Air Force to the new Space Procurement, Air Force account. However, the Committee does not support the request for 5-year availability of funds and recommends retention of the standard 3-year time period for traditional procurement accounts.

Evolved Expendable Launch Vehicle Competition.—The Committee supports competition in the Evolved Expendable Launch Vehicle [EELV] program and appreciates the Air Force’s efforts to find the proper balance between reducing launch costs and maintaining mission assurance as it transitions from a sole source to a competitive procurement environment. In an effort to further enhance competition, last year the Department of Defense Appropriations Act, 2015 added \$125,000,000 to double the number of competitive launch opportunities in fiscal year 2015 and required that the competition include at least two certified launch service providers. However, the Department of Defense and the Intelligence Community have notified the Committee that Section 1608 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat.

3314) restricts the incumbent launch provider's use of the RD-180 engine on its most competitive launch vehicle, nullifying the intent of the Committee's \$125,000,000 add for a launch vehicle competition. Additionally, the Department has informed the Committee that Section 1608 would limit the availability of RD-180 engines for future competitions to five, which may create a multi-year gap where the Department has neither assured access to space nor an environment where price-based competition is possible. Therefore, the Committee recommends a rescission of \$125,000,000 from fiscal year 2015 funds due to the statutory impediment to competition. The Committee does not recommend a reduction of competitive launch opportunities in fiscal year 2016, because true competition may still be possible in fiscal year 2016 if Congress implements the Department's recommended modification to Section 1608. The Committee believes that this modification would enable a responsible transition away from the RD-180 as soon as possible while maintaining the goal of reducing launch costs through true competition. To ensure expeditious development of an alternative engine, the Committee recommendation also includes an increase of \$143,600,000 in Research, Development, Test and Evaluation, Air Force for rocket engine development.

Defense Meteorological Satellite Program.—The budget request includes \$89,351,000 for the Defense Meteorological Satellite Program [DMSP]. Last year, the Department of Defense Appropriation Act, 2015 outlined concerns about the excessive cost of launching this satellite and restricted \$50,000,000 of funding for the program, unless the Secretary of the Air Force could certify that the satellite would be launched by the end of calendar year 2016. The Air Force has notified Congress that it will not be able to launch DMSP-20 by 2016, but proposes launching the satellite in fiscal year 2018 or 2019 at a cost of between \$410,000,000 to \$455,000,000, in addition to approximately \$500,000,000 already spent on the satellite. The Committee questions the Air Force's decision to incur these additional costs to launch a satellite with 1990s technology that the Air Force has previously stated no longer meets its requirements. The Committee believes that such funds would be better spent on developing new technologies and enhancing the capabilities of the next generation of weather satellites. Therefore, the Committee recommends no funding for the DMSP program in fiscal year 2016. The Committee also recommends a rescission of the \$50,000,000 of fiscal year 2015 funds. The Committee expects the Air Force to bring the program to an orderly close with the remaining fiscal year 2015 funds.

Commercial Satellite Communications.—The Committee supports efforts by the Air Force to use pathfinder demonstrations to investigate non-traditional approaches for acquiring commercial satellite communications [SATCOM] capabilities. These efforts help the Air Force gain experience with different business models to enable innovative and affordable procurement of long-term commercial SATCOM and may obviate the need for future procurement of costly, military specific SATCOM satellites. The Committee encourages the Air Force to pursue additional pathfinder demonstrations to achieve savings and take advantage of improved technology and performance offered by commercial SATCOM providers.

PROCUREMENT OF AMMUNITION, AIR FORCE

Appropriations, 2015	\$659,909,000
Budget estimate, 2016	1,758,843,000
Committee recommendation	1,797,343,000

The Committee recommends an appropriation of \$1,797,343,000. This is \$38,500,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

(Dollars in thousands)

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROCUREMENT OF AMMUNITION, AIR FORCE						
	PROCUREMENT OF AMMO, AIR FORCE						
1	ROCKETS		23,788		23,788		
2	CARTRIDGES		131,102		169,602		+ 38,500
	BOMBS						
3	PRACTICE BOMBS		89,759		89,759		
4	GENERAL PURPOSE BOMBS		637,181		637,181		
5	MASSIVE ORDNANCE PENETRATOR (MOP)		39,690		39,690		
5	JOINT DIRECT ATTACK MUNITION	6,341	374,688	6,341	374,688		
	FLARE, IR MJU-7B						
7	CAD/PAD		58,266		58,266		
8	EXPLOSIVE ORDNANCE DISPOSAL (EOD)		5,612		5,612		
9	SPARES AND REPAIR PARTS		103		103		
10	MODIFICATIONS		1,102		1,102		
11	ITEMS LESS THAN \$5,000,000		3,044		3,044		
	FUZES						
12	FLARES		120,935		120,935		
13	FUZES		213,476		213,476		
	TOTAL, PROCUREMENT OF AMMO, AIR FORCE		1,698,746	1,737,246	+ 38,500		
	WEAPONS						
14	SMALL ARMS		60,097		60,097		
	TOTAL, PROCUREMENT OF AMMUNITION, AIR FORCE		1,758,843		1,797,343		+ 38,500

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

(In thousands of dollars)

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
2	Cartridges	131,102	169,602	+ 38,500
	Authorization adjustment: Increase to match size of A-10 fleet			+ 38,500

OTHER PROCUREMENT, AIR FORCE

Appropriations, 2015	\$16,781,266,000
Budget estimate, 2016	18,272,438,000
Committee recommendation	17,997,359,000

The Committee recommends an appropriation of \$17,997,359,000. This is \$275,079,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER PROCUREMENT, AIR FORCE						
	VEHICULAR EQUIPMENT						
	PASSENGER CARRYING VEHICLES						
1	PASSENGER CARRYING VEHICLE		8,834		8,834		
	CARGO + UTILITY VEHICLES						
2	FAMILY MEDIUM TACTICAL VEHICLE		58,160		58,160		
3	CAP VEHICLES		977		1,677		+ 700
4	ITEMS LESS THAN \$5M (CARGO)		12,483		12,483		
	SPECIAL PURPOSE VEHICLES						
5	SECURITY AND TACTICAL VEHICLES		4,728		4,728		
6	ITEMS LESS THAN \$5M (SPECIAL)		4,662		4,662		
	FIRE FIGHTING EQUIPMENT						
7	FIRE FIGHTING/CRASH RESCUE VEHICLES		10,419		10,419		
	MATERIALS HANDLING EQUIPMENT						
8	ITEMS LESS THAN \$5,000,000		23,320		23,320		
	BASE MAINTENANCE SUPPORT						
9	RUNWAY SNOW REMOVAL & CLEANING EQUIP		6,215		6,215		
10	ITEMS LESS THAN \$5M		87,781		87,781		
	TOTAL, VEHICULAR EQUIPMENT		217,579		218,279		+ 700
	ELECTRONICS AND TELECOMMUNICATIONS EQUIP						
	COMM SECURITY EQUIPMENT(COMSEC)						
11	COMSEC EQUIPMENT		136,998		139,244		+ 2,246
12	MODIFICATIONS (COMSEC)		677		677		
	INTELLIGENCE PROGRAMS						
13	INTELLIGENCE TRAINING EQUIPMENT		4,041		4,041		
14	INTELLIGENCE COMM EQUIP		22,573		22,573		
15	MISSION PLANNING SYSTEMS		14,456		14,456		

(Dollars in thousands)

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	ELECTRONICS PROGRAMS						
16	TRAFFIC CONTROL/LANDING		31,823		28,823		- 3,000
17	NATIONAL AIRSPACE SYSTEM		5,833		5,833		
18	BATTLE CONTROL SYSTEM—FIXED		1,687		1,687		
19	THEATER AIR CONTROL SYS IMPRO		22,710		22,710		
20	WEATHER OBSERVATION FORECAST		21,561		21,561		
21	STRATEGIC COMMAND AND CONTROL		286,980		286,980		
22	CHEYENNE MOUNTAIN COMPLEX		36,186		36,186		
24	INTEGRATED STRAT PLAN AND ANALY NETWORK (ISPAN)		9,597		9,597		
	SPECIAL COMM-ELECTRONICS PROJECTS						
25	GENERAL INFORMATION TECHNOLOGY		27,403		25,803		- 1,600
26	AF GLOBAL COMMAND & CONTROL SYSTEM		7,212		7,212		
27	MOBILITY COMMAND AND CONTROL		11,062		30,962		+ 19,900
28	AIR FORCE PHYSICAL SECURITY SYSTEM		131,269		103,269		- 28,000
29	COMBAT TRAINING RANGES		33,606		33,606		
30	MINIMUM ESSENTIAL EMERGENCY COMM N		5,232		5,232		
31	C3 COUNTERMEASURES		7,453		7,453		
32	INTEGRATED PERSONNEL AND PAY SYSTEM		3,976				- 3,976
33	GCSS—AF FOS		25,515		15,015		- 10,500
34	DEFENSE ENTERPRISE ACCOUNTING AND MGMT		9,255		4,755		- 4,500
35	THEATER BATTLE MGT C2 SYS		7,523		7,523		
36	AIR AND SPACE OPERATIONS CTR—WPN SYSTEM		12,043		10,043		- 2,000
37	AIR OPERATIONS CENTER (AOC)		24,246		14,246		- 10,000
	AIR FORCE COMMUNICATIONS						
38	INFORMATION TRANSPORT SYSTEMS		74,621		74,621		
39	AFNET		103,748		98,748		- 5,000
41	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)		5,199		5,199		
42	USCENTCOM		15,780		15,780		
43	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS		79,592				- 79,592
	DISA PROGRAMS						
44	SPACE BASED IR SENSOR PROG SPACE		90,190				- 90,190
45	NAVSTAR GPS SPACE		2,029				- 2,029
46	NUDET DETECTION SYS (NDS) SPACE		5,095				- 5,095

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47	AF SATELLITE CONTROL NETWORK SPACE	76,673			- 76,673
48	SPACELIFT RANGE SYSTEM SPACE	113,275			- 113,275
49	MILSATCOM SPACE	35,495			- 35,495
50	SPACE MODS SPACE	23,435			- 23,435
51	COUNTERSPACE SYSTEM	43,065			- 43,065
	ORGANIZATION AND BASE				
52	TACTICAL C-E EQUIPMENT	77,538	113,538		+ 36,000
54	RADIO EQUIPMENT	8,400	8,400		
55	CCTV/AUDIOVISUAL EQUIPMENT	6,144	6,144		
56	BASE COMM INFRASTRUCTURE	77,010	67,010		- 10,000
	MODIFICATIONS				
57	COMM ELECT MODS	71,800	80,800		+ 9,000
	TOTAL, ELECTRONICS AND TELECOMMUNICATIONS EQUIP	1,810,006	1,329,727		- 480,279
	OTHER BASE MAINTENANCE AND SUPPORT EQUIP				
	PERSONAL SAFETY AND RESCUE EQUIP				
58	NIGHT VISION GOGGLES	2,370	2,370		
59	ITEMS LESS THAN \$5,000,000 (SAFETY)	79,623	69,623		- 10,000
	DEPOT PLANT + MATERIALS HANDLING EQ				
60	MECHANIZED MATERIAL HANDLING	7,249	7,249		
	BASE SUPPORT EQUIPMENT				
61	BASE PROCURED EQUIPMENT	9,095	15,095		+ 6,000
62	ENGINEERING AND EOD EQUIPMENT	17,866	17,866		
64	MOBILITY EQUIPMENT	61,850	61,850		
65	ITEMS LESS THAN \$5M (BASE SUPPORT)	30,477	20,477		- 10,000
	SPECIAL SUPPORT PROJECTS				
67	DARP RC135	25,072	25,072		
68	DISTRIBUTED GROUND SYSTEMS	183,021	159,021		- 24,000
70	SPECIAL UPDATE PROGRAM	629,371	629,371		
71	DEFENSE SPACE RECONNAISSANCE PROGRAM	100,663	100,663		
	TOTAL, OTHER BASE MAINTENANCE AND SUPPORT EQUIP	1,146,657	1,108,657		- 38,000
	SPARE AND REPAIR PARTS				
73	SPARES AND REPAIR PARTS	59,863	59,863		
	CLASSIFIED PROGRAMS	15,038,333	15,280,833		+ 242,500

[Dollars in thousands]

Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
					Qty.	Budget estimate
TOTAL, OTHER PROCUREMENT, AIR FORCE	18,272,438	.....	17,997,359	.....	- 275,079

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

(In thousands of dollars)

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
3	Cap Vehicles	977	1,677	+ 700
	Program increase: Civil Air Patrol—vehicles			+ 700
11	Comsec Equipment	136,998	139,244	+ 2,246
	Transfer COMSEC equipment: Air Force-requested from APAF Line #59 Other Equipment			+ 2,246
16	Air Traffic Control & Landing Sys	31,823	28,823	- 3,000
	Improving Funds Management: Prior year carryover			- 3,000
25	General Information Technology	27,403	25,803	- 1,600
	Restoring acquisition accountability: Schedule slips (TDNE)			- 1,600
27	Mobility Command and Control	11,062	30,962	+ 19,900
	Authorization adjustment: Additional battlefield air operations kits—AF UFR			+ 19,900
28	Air Force Physical Security System	131,269	103,269	- 28,000
	Improving Funds Management: Prior year carryover			- 28,000
32	Integrated Personnel and Pay System	3,976		- 3,976
	Restoring acquisition accountability: Early to need			- 3,976
33	GCSS-AF Fos	25,515	15,015	- 10,500
	Improving Funds Management: Prior year carryover			- 3,000
	Restoring acquisition accountability: Schedule slips			- 7,500
34	Defense Enterprise Accounting and Mgmt System	9,255	4,755	- 4,500
	Restoring acquisition accountability: Early to need			- 4,500
36	Air & Space Operations Ctr-WPN SYS	12,043	10,043	- 2,000
	Restoring acquisition accountability: Schedule slips (10.1)			- 2,000
37	Air Operations Center (AOC) 10.2	24,246	14,246	- 10,000
	Restoring acquisition accountability: Early to need (AOC 10.2)			- 10,000
39	AFNET	103,748	98,748	- 5,000
	Restoring acquisition accountability: Excess growth			- 5,000
43	Family of Beyond Line-of-Sight Terminals	79,592		- 79,592
	Transfer to Space Procurement Air Force, Line 10			- 79,592
44	Space Based Ir Sensor Pgm Space	90,190		- 90,190
	Transfer to Space Procurement Air Force, Line 11			- 90,190
45	Navstar GPS Space	2,029		- 2,029
	Transfer to Space Procurement Air Force, Line 12			- 2,029
46	Nudet Detection Sys Space	5,095		- 5,095
	Transfer to Space Procurement Air Force, Line 13			- 5,095
47	AF Satellite Control Network Space	76,673		- 76,673
	Transfer to Space Procurement Air Force, Line 14			- 76,673
48	Spacelift Range System Space	113,275		- 113,275
	Transfer to Space Procurement Air Force, Line 15			- 113,275
49	Milsatcom Space	35,495		- 35,495
	Transfer to Space Procurement Air Force, Line 16			- 35,495
50	Space Mods Space	23,435		- 23,435
	Transfer to Space Procurement Air Force, Line 17			- 23,435
51	Counterspace System	43,065		- 43,065
	Transfer to Space Procurement Air Force, Line 18			- 43,065
52	Tactical C-E Equipment	77,538	113,538	+ 36,000
	Authorization adjustment: Increase JTAC training and rehearsal simulators—AF UFR			+ 36,000
56	Base Comm Infrastructure	77,010	67,010	- 10,000
	Improving Funds Management: Prior year carryover			- 10,000
57	Comm Elect Mods	71,800	80,800	+ 9,000
	Program increase: Radar reliability enhancements			+ 9,000
59	Items Less Than \$5 Million	79,623	69,623	- 10,000
	Improving Funds Management: Prior year carryover			- 10,000
61	Base Procured Equipment	9,095	15,095	+ 6,000
	Program increase: Joint training center equipment			+ 6,000

(in thousands of dollars)

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
65	Items Less Than \$5 Million	30,477	20,477	-10,000
	Improving funds management: Prior year carryover			-10,000
68	DCGS-AF	183,021	159,021	-24,000
	Restoring acquisition accountability: Schedule slips (Geospatial Intelligence)			-6,000
	Restoring acquisition accountability: Schedule slips (Signals Intelligence)			-6,000
	Restoring acquisition accountability: Early to need (Multi-INT service oriented architecture)			-12,000
71A	Classified Programs	15,038,333	15,280,833	+242,500
	Classified program adjustment			+242,500

Energy Efficient Military Billeting.—The Committee continues to support efforts by the Department of Defense to leverage technology and deliver energy efficient returns on investments, such as thermal technologies in battlefield housing. Such technologies will realize cost savings by reducing the military’s battlefield fuel footprint while also making current billeting structures more energy efficient.

PROCUREMENT, DEFENSE-WIDE

Appropriations, 2015	\$4,429,303,000
Budget estimate, 2016	5,130,853,000
Committee recommendation	5,211,532,000

The Committee recommends an appropriation of \$5,211,532,000. This is \$80,679,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROCUREMENT, DEFENSE-WIDE						
	MAJOR EQUIPMENT						
	MAJOR EQUIPMENT, DCAA						
1	MAJOR EQUIPMENT ITEMS LESS THAN \$5M		1,488				- 1,488
	MAJOR EQUIPMENT, DCMA						
2	MAJOR EQUIPMENT		2,494		2,494		
	MAJOR EQUIPMENT, DHRA						
3	PERSONNEL ADMINISTRATION		9,341		9,341		
	MAJOR EQUIPMENT, DISA						
7	INFORMATION SYSTEMS SECURITY		8,080		8,080		
8	TELEPORT PROGRAM		62,789		62,789		
9	ITEMS LESS THAN \$5M		9,399		9,399		
10	NET CENTRIC ENTERPRISE SERVICES [NCES]		1,819		1,819		
11	DEFENSE INFORMATION SYSTEMS NETWORK		141,298		141,298		
12	CYBER SECURITY INITIATIVE		12,732		12,732		
13	WHITE HOUSE COMMUNICATION AGENCY		64,098		64,098		
14	SENIOR LEADERSHIP ENTERPRISE		617,910		617,910		
15	JOINT INFORMATION ENVIRONMENT		84,400		84,400		
	MAJOR EQUIPMENT, DLA						
16	MAJOR EQUIPMENT		5,644		5,644		
	MAJOR EQUIPMENT, DMACT						
17	A—WEAPON SYSTEM COST	4	11,208	4	11,208		
	MAJOR EQUIPMENT, DODEA						
18	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS		1,298		1,298		
19	EQUIPMENT		1,048		1,048		
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY						
21	VEHICLES		100		100		
22	OTHER MAJOR EQUIPMENT		5,474		5,474		

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	MAJOR EQUIPMENT, DTSA					
	MAJOR EQUIPMENT, MDA					
23	THAAD SYSTEM	30	464,067	30	464,067	
24	AEGIS BMD	40	558,916	52	571,661	+ 12,745
24A	AEGIS BMD HARDWARE				145,300	+ 145,300
25	AEGIS BMD [AP-CY]		147,765			- 147,765
26	BMDS AN/TPY-2 RADARS		78,634		78,634	
27	AEGIS ASHORE PHASE III		30,587		30,587	
28	IRON DOME SYSTEM	1	55,000	1	41,400	- 13,600
XX	DAVID'S SLING				150,000	+ 150,000
XXX	ARROW 3				15,000	+ 15,000
	MAJOR EQUIPMENT, NSA					
35	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP)		37,177		37,177	
	MAJOR EQUIPMENT, OSD					
36	MAJOR EQUIPMENT, OSD	17	46,939	17	44,439	- 2,500
	MAJOR EQUIPMENT, TJS					
38	MAJOR EQUIPMENT, TJS		13,027		13,027	
	MAJOR EQUIPMENT, WHS					
40	MAJOR EQUIPMENT, WHS		27,859		27,859	
	TOTAL, MAJOR EQUIPMENT		2,500,591		2,658,283	+ 157,692
	SPECIAL OPERATIONS COMMAND					
	AVIATION PROGRAMS					
41	MC-12		63,170			- 63,170
42	SOF ROTARY WING UPGRADES AND SUSTAINMENT		135,985		135,985	
44	NON-STANDARD AVIATION		61,275		11,000	- 50,275
45	SOF U-28				54,600	+ 54,600
47	RQ-11 UNMANNED AERIAL VEHICLE		20,087		15,587	- 4,500
48	CV-22 SOF MODIFICATION		18,832		15,582	- 3,250
49	MQ-1 UNMANNED AERIAL VEHICLE		1,934		1,934	
50	MQ-9 UNMANNED AERIAL VEHICLE		11,726		19,726	+ 8,000
51	STUASLO		1,514		1,514	
52	PRECISION STRIKE PACKAGE		204,105		204,105	
53	AC/MC-130J		61,368		61,368	
54	C-130 MODIFICATIONS		66,861		23,861	- 43,000

[Dollars in thousands]

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
55	SHIPBUILDING						
	UNDERWATER SYSTEMS		32,521		29,021		- 3,500
	AMMUNITION PROGRAMS						
56	SOF ORDNANCE ITEMS UNDER \$5,000,000		174,734		174,734		
	OTHER PROCUREMENT PROGRAMS						
57	SOF INTELLIGENCE SYSTEMS		93,009		93,009		
58	DCGS-SOF		14,964		14,964		
59	OTHER ITEMS UNDER \$5,000,000		79,149		79,149		
60	SOF COMBATANT CRAFT SYSTEMS		33,362		63,362		+ 30,000
61	SPECIAL PROGRAMS		143,533		117,815		- 25,718
62	TACTICAL VEHICLES		73,520		73,520		
63	WARRIOR SYSTEMS UNDER \$5,000,000		186,009		195,809		+ 9,800
64	COMBAT MISSION REQUIREMENTS		19,693		14,693		- 5,000
65	SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES		3,967		3,967		
66	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE		19,225		19,225		
68	SOF OPERATIONAL ENHANCEMENTS		213,252		213,252		
	TOTAL, SPECIAL OPERATIONS COMMAND		1,733,795		1,637,782		- 96,013
	CHEMICAL/BIOLOGICAL DEFENSE						
74	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS		141,223		160,223		+ 19,000
75	CB PROTECTION AND HAZARD MITIGATION		137,487		137,487		
	TOTAL, CHEMICAL/BIOLOGICAL DEFENSE		278,710		297,710		+ 19,000
	CLASSIFIED PROGRAMS		617,757		617,757		
	TOTAL, PROCUREMENT, DEFENSE-WIDE		5,130,853		5,211,532		+ 80,679

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
1	Items Less Than \$5 Million	1,488		-1,488
	Program termination			-1,488
24	Aegis BMD	558,916	571,661	+12,745
	Transfer All Up Round procurement only: MDA-requested from line 25			+120,445
	Restoring acquisition accountability: Transfer Aegis BMD hardware and software procurements and installations to line 24A			-107,700
24A	Aegis BMD Hardware		145,300	+145,300
	Restoring acquisition accountability: Transfer Aegis BMD hardware and software procurements and installations from line 24			+107,700
	Program increase: Aegis BMD 3.6 to 4x hardware procurements for DDG 72 and 76 only			+37,600
25	Aegis BMD (AP)	147,765		-147,765
	Transfer All Up Round procurement only: MDA-requested to line 24			-120,445
	Transfer additional SM-3 Block 1B flight tests: MDA-requested to Research and Development, Defense-Wide, line 108			-27,320
28	Iron Dome	55,000	41,400	-13,600
	Improving funds management: Excess to requirement			-13,600
XX	David's Sling		150,000	+150,000
	Authorization adjustment: Program increase for David's Sling			+150,000
XXX	Arrow 3		15,000	+15,000
	Authorization adjustment: Program increase for Arrow 3			+15,000
36	Major Equipment, OSD	46,939	44,439	-2,500
	Maintain program affordability: Eliminate program growth			-2,500
41	MC-12	63,170		-63,170
	Transfer MC-12: SOCOM-requested to PDW Line #45 U-28			-63,170
44	Non-Standard Aviation	61,275	11,000	-50,275
	Restoring acquisition accountability: Acquisition strategy			-50,275
45	U-28		54,600	+54,600
	Transfer MC-12: SOCOM requested from PDW Line #41 MC-12			+63,170
	Budget documentation disparity: Poor justification materials for low cost mods			-8,570
47	RQ-11 Unmanned Aerial Vehicle	20,087	15,587	-4,500
	Budget documentation disparity: Poor justification materials for MTUAS Ancillary Equipment			-4,500
48	CV-22 Modification	18,832	15,582	-3,250
	Budget documentation disparity: Poor justification materials for block upgrade modifications			-3,250
50	MQ-9 Unmanned Aerial Vehicle	11,726	19,726	+8,000
	Improving funds management: Prior year carryover			-2,000
	Authorization adjustment: MQ-9 capability enhancements			+10,000
54	C-130 Modifications	66,861	23,861	-43,000
	Transfer MC-130 TFTA: SOCOM-requested to RDDW Line #240 Aviation Systems			-7,500
	Restoring acquisition accountability: Early to need (TFTA)			-27,500
	Restoring acquisition accountability: Early to need (EC-130J block A kits)			-8,000

(In thousands of dollars)

Line	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
55	Underwater Systems	32,521	29,021	- 3,500
	Restoring acquisition accountability: Unit cost growth (SWCS)			- 3,500
60	Combatant Craft Systems	33,362	63,362	+ 30,000
	Program increase: High speed assault craft			+ 30,000
61	Special Programs	143,533	117,815	- 25,718
	Classified program adjustment			- 25,718
63	Warrior Systems <\$5M	186,009	195,809	+ 9,800
	Program increase: Visual Augmentation Systems			+ 4,800
	Program increase: Weapons optics			+ 5,000
64	Combat Mission Requirements	19,693	14,693	- 5,000
	Improving funds management: Prior year carryover			- 5,000
74	Chemical Biological Situational Awareness	141,223	160,223	+ 19,000
	Program increase			+ 19,000

Special Operations Command [SOCOM] Non-Standard Aviation.—The fiscal year 2016 President's budget request includes \$61,275,000 for the acquisition of three C-146A aircraft. The Committee is concerned with SOCOM's divestment strategy of C-145A aircraft, purchased as recently as fiscal years 2012 and 2013, and notes that significant investments have been made to upgrade the existing C-145A fleet. The Committee reduces the fiscal year 2016 request by \$50,275,000. In addition, the Committee directs the Commander of SOCOM to report on the divestment and acquisition strategy for the entire non-standard aviation fleet and provide this report to the congressional defense committees not later than 180 days after enactment of this act.

Rebreather Technology.—The Committee is aware of new underwater rebreather technology for Naval Special Warfare units. If proven, this technology could increase safety for combat divers as well as increase diver endurance while reducing maintenance associated with older carbon dioxide canisters. The Committee encourages the Commander of Special Operations Command to test and validate the utility of this new technology.

MISSILE DEFENSE AGENCY

AEGIS Ballistic Missile Defense [BMD] and SM-3 Block IB Interceptor.—The fiscal year 2016 budget request includes \$558,916,000 for the procurement and installation of AEGIS BMD upgrades and SM-3 Block IB interceptors. The Committee recommends the establishment of distinct funding lines for each effort and transfers funds requested for AEGIS BMD upgrades to a separate line. The Committee directs the Director, MDA to follow this budget structure in future budget submissions. Further, based on Combatant Command requirements and continued concerns with the Department's Destroyer modernization strategy, the Committee recommends an additional \$37,600,000 only for ballistic missile defense upgrades of two Flight II DDG 51 destroyers in fiscal year 2016.

DEFENSE PRODUCTION ACT PURCHASES

Appropriations, 2015	\$51,638,000
Budget estimate, 2016	46,680,000
Committee recommendation	76,680,000

The Committee recommends an appropriation of \$76,680,000.
This is \$30,000,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

(Dollars in thousands)

	Item	Qty.	2016 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
1	DEFENSE PRODUCTION ACT PURCHASES		46,680		75,680		+ 30,000

Additional Funding.—The Committee recognizes the critical role that the Defense Production Act [DPA] title III program serves in strengthening the U.S. defense industrial base and believes that this work is in the national interest. Therefore, the Committee increases funding for DPA by \$30,000,000 over the budget request. The Committee directs that the additional funding be competitively awarded to new initiatives and priority consideration should be given to completion of DPA projects initiated in prior years. Furthermore, the Committee directs the Under Secretary of Defense (Acquisition, Technology, and Logistics) to notify the congressional defense committees 30 days prior to any obligation or expenditure of these funds.

TITLE IV

RESEARCH, DEVELOPMENT, TEST AND EVALUATION

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

The President's fiscal year 2016 budget requests a total of \$69,784,963,000 for research, development, test and evaluation appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends research, development, test and evaluation appropriations totaling \$70,324,687,000 for fiscal year 2016. This is \$539,724,000 above the budget estimate.

Committee recommended research, development, test and evaluation appropriations for fiscal year 2016 are summarized below:

SUMMARY OF RESEARCH, DEVELOPMENT, TEST AND EVALUATION APPROPRIATIONS
 (In thousands of dollars)

Account	2016 budget estimate	Committee recommendation	Change from budget estimate
Research, Development, Test and Evaluation:			
Research, Development, Test and Evaluation, Army	6,924,959	7,096,935	+ 171,976
Research, Development, Test and Evaluation, Navy	17,885,916	18,236,645	+ 350,729
Research, Development, Test and Evaluation, Air Force	26,473,669	25,874,116	- 599,553
Research, Development, Test and Evaluation, Defense-Wide	18,329,861	18,926,433	+ 596,572
Operational Test and Evaluation, Defense	170,558	190,558	+ 20,000
Total:	69,784,963	70,324,687	+ 539,724

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 will 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 guidance specified in the explanatory statement accompanying the Department of Defense Appropriations Act for Fiscal Year 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 re-

programming value as modified by any adjustments. Therefore, if the combined value of transfers into or out of 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 report.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION OVERVIEW

Basic Research.—The fiscal year 2016 budget request includes \$2,088,929,000 for basic research in Research, Development, Test and Evaluation for the Army, Navy, Air Force and Department of Defense. This amount is \$188,759,000 below the below fiscal year 2015 enacted level. The Committee believes that further investment in basic research must continue. Basic research is the foundation of innovative breakthroughs that are critical to maintaining the Nation's future technological edge. Investments in basic research not only provide advances in technology for our military men and women but also provide an important incubator for national labs and academic research institutions. These investments also encourage partnerships and collaboration with industry. In order to keep pace with the global challenges to come, the Committee believes that additional funding should be allocated to Federal research. Therefore, the Committee recommends \$2,317,429,000 for basic research, an increase of \$228,500,000 over the 2016 budget request and a \$39,741,000 increase over the fiscal year 2015 enacted level.

Alternative Energy Research.—The Committee continues to support the fiscal and operational value of investing in alternative energy research. The recommendation includes an additional \$75,000,000 for Army, Navy and Air Force research and development to continue research of promising alternative energy technologies, such as renewable energies, alternative fuels, and energy efficiencies. The Committee encourages the services to focus on the ability of platforms, installations, and personnel to operate with a diverse mix of fuels.

Solar Research in Dry-Dust Areas.—The Committee supports efforts by the Department of Defense to become more energy efficient. These efforts have demonstrated cost savings and are an important part of the 2010 and 2015 Quadrennial Defense Reviews and the Department of Defense's Operational Energy Strategy. Renewable energy, including solar, is an important part of these efforts. Last year, the Army broke ground on its largest solar energy plant at Fort Huachuca in Arizona. Covering 155 acres, the plant is projected to provide not less than 25 percent of the Fort's electricity. The Committee believes solar initiatives are also important for overseas operations, particularly in the Middle East and Africa, where in country supplies are unreliable and large amounts of energy often need to be transported to theater. However, dry-dust problems can prevent the optimal use of solar energy in some areas. Therefore, the Committee urges the Department of Defense to continue research into the use of solar energy in dry-dust regions.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

Appropriations, 2015	\$6,675,565,000
Budget estimate, 2016	6,924,959,000
Committee recommendation	7,096,935,000

The Committee recommends an appropriation of \$7,096,935,000. This is \$171,976,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

(In thousands of dollars)

	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY			
	BASIC RESEARCH			
1	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	13,018	13,018	.....
2	DEFENSE RESEARCH SCIENCES	239,118	279,118	+ 40,000
3	UNIVERSITY RESEARCH INITIATIVES	72,603	72,603	.....
4	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	100,340	105,340	+ 5,000
	TOTAL, BASIC RESEARCH	425,079	470,079	+ 45,000
	APPLIED RESEARCH			
5	MATERIALS TECHNOLOGY	28,314	68,314	+ 40,000
6	SENSORS AND ELECTRONIC SURVIVABILITY	38,374	53,374	+ 15,000
7	TRACTOR HIP	6,879	6,879	.....
8	AVIATION TECHNOLOGY	56,884	56,884	.....
9	ELECTRONIC WARFARE TECHNOLOGY	19,243	19,243	.....
10	MISSILE TECHNOLOGY	45,053	55,053	+ 10,000
11	ADVANCED WEAPONS TECHNOLOGY	29,428	41,428	+ 12,000
12	ADVANCED CONCEPTS AND SIMULATION	27,862	27,862	.....
13	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY	68,839	105,839	+ 37,000
14	BALLISTICS TECHNOLOGY	92,801	112,801	+ 20,000
15	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY	3,866	3,866	.....
16	JOINT SERVICE SMALL ARMS PROGRAM	5,487	5,487	.....
17	WEAPONS AND MUNITIONS TECHNOLOGY	48,340	63,340	+ 15,000
18	ELECTRONICS AND ELECTRONIC DEVICES	55,301	64,301	+ 9,000
19	NIGHT VISION TECHNOLOGY	33,807	35,807	+ 2,000
20	COUNTERMINE SYSTEMS	25,068	38,068	+ 13,000
21	HUMAN FACTORS ENGINEERING TECHNOLOGY	23,681	23,681	.....
22	ENVIRONMENTAL QUALITY TECHNOLOGY	20,850	20,850	.....
23	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY	36,160	36,160	.....
24	COMPUTER AND SOFTWARE TECHNOLOGY	12,656	12,656	.....
25	MILITARY ENGINEERING TECHNOLOGY	63,409	77,409	+ 14,000
26	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	24,735	24,735	.....
27	WARFIGHTER TECHNOLOGY	35,795	40,795	+ 5,000
28	MEDICAL TECHNOLOGY	76,853	76,853	.....
	TOTAL, APPLIED RESEARCH	879,685	1,071,685	+ 192,000
	ADVANCED TECHNOLOGY DEVELOPMENT			
29	WARFIGHTER ADVANCED TECHNOLOGY	46,973	56,973	+ 10,000
30	MEDICAL ADVANCED TECHNOLOGY	69,584	77,584	+ 8,000
31	AVIATION ADVANCED TECHNOLOGY	89,736	89,736	.....
32	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY	57,663	69,663	+ 12,000
33	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY	113,071	120,571	+ 7,500
34	SPACE APPLICATION ADVANCED TECHNOLOGY	5,554	5,554	.....
35	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	12,636	12,636	.....
37	TRACTOR HIKE	7,502	7,502	.....
38	NEXT GENERATION TRAINING & SIMULATION SYSTEMS	17,425	17,425	.....

[In thousands of dollars]

	Item	2016 budget estimate	Committee recommendation	Change from budget estimate
39	TRACTOR ROSE	11,912	11,912	.....
40	COMBATING TERRORISM, TECHNOLOGY DEVELOPMENT	27,520	33,520	+ 6,000
41	TRACTOR NAIL	2,381	2,381	.....
42	TRACTOR EGGS	2,431	2,431	.....
43	ELECTRONIC WARFARE TECHNOLOGY	26,874	34,874	+ 8,000
44	MISSILE AND ROCKET ADVANCED TECHNOLOGY	49,449	99,449	+ 50,000
45	TRACTOR CAGE	10,999	10,999	.....
46	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	177,159	222,159	+ 45,000
47	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY	13,993	13,993	.....
48	JOINT SERVICE SMALL ARMS PROGRAM	5,105	5,105	.....
49	NIGHT VISION ADVANCED TECHNOLOGY	40,929	40,929	.....
50	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS	10,727	15,727	+ 5,000
51	MILITARY ENGINEERING ADVANCED TECHNOLOGY	20,145	30,145	+ 10,000
52	ADVANCED TACTICAL COMPUTER SCIENCE & SENSOR TECHNOLOGY	38,163	38,163	.....
53	COMMAND, CONTROL, COMMUNICATIONS ADVANCED TECHNOLOGY	37,816	37,816	.....
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	895,747	1,057,247	+ 161,500
	DEMONSTRATION & VALIDATION			
54	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	10,347	24,347	+ 14,000
55	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION (SPACE)	25,061	25,061	.....
56	LANDMINE WARFARE AND BARRIER—ADV DEV	49,636	45,757	- 3,879
57	SMOKE, OBSCURANT AND TARGET DEFEATING SYS—ADV DEV	13,426	13,426	.....
58	TANK AND MEDIUM CALIBER AMMUNITION	46,749	46,749	.....
60	SOLDIER SUPPORT AND SURVIVABILITY	6,258	301	- 5,957
61	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—AD	13,472	13,472	.....
62	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	7,292	7,292	.....
63	ENVIRONMENTAL QUALITY TECHNOLOGY	8,813	8,813	.....
65	NATO RESEARCH AND DEVELOPMENT	6,075	6,075	.....
67	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV	21,233	21,233	.....
68	MEDICAL SYSTEMS—ADV DEV	31,962	31,962	.....
69	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT	22,194	23,194	+ 1,000
71	ANALYSIS OF ALTERNATIVES	9,805	9,805	.....
72	TECHNOLOGY MATURATION INITIATIVES	40,917	35,917	- 5,000
73	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT)	30,058	30,058	.....
74	INDIRECT FIRE PROTECTION CAPABILITY INCREMENT 2—INTERC	155,361	155,361	.....
	TOTAL, DEMONSTRATION & VALIDATION	498,659	498,823	+ 164
	ENGINEERING & MANUFACTURING DEVELOPMENT			
76	AIRCRAFT AVIONICS	12,939	12,939	.....
78	ELECTRONIC WARFARE DEVELOPMENT	18,843	18,843	.....
79	JOINT TACTICAL RADIO	9,861	4,546	- 5,315
80	MID-TIER NETWORKING VEHICULAR RADIO	8,763	8,763	.....
81	ALL SOURCE ANALYSIS SYSTEM	4,309	4,309	.....
82	TRACTOR CAGE	15,138	15,138	.....
83	INFANTRY SUPPORT WEAPONS	74,128	78,580	+ 4,452
85	JAVELIN	3,945	3,945	.....
87	AIR TRAFFIC CONTROL	10,076	10,076	.....
88	SMALL UNMANNED GROUND VEHICLE	40,374	9,050	- 31,324
89	NIGHT VISION SYSTEMS—SDD	67,582	67,582	.....
90	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	1,763	1,763	.....
91	NON-SYSTEM TRAINING DEVICES—SDD	27,155	21,723	- 5,432
92	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE -SDD	24,569	24,569	.....
93	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	23,364	23,364	.....
94	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	8,960	8,960	.....
95	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—SDD	9,138	9,138	.....
96	COMBINED ARMS TACTICAL TRAINER (CATT) CORE	21,622	21,622	.....
97	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION	99,242	99,242	.....
98	WEAPONS AND MUNITIONS—SDD	21,379	21,379	.....
99	LOGISTICS AND ENGINEER EQUIPMENT—SDD	48,339	46,539	- 1,800
100	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—SDD	2,726	2,726	.....