

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1	Budget Request	Committee Recommended	Change from Request
1 DEFENSE RESEARCH SCIENCES	310,191	306,430	-3,761
Climate risk research		-13,761	
Program increase - joint research lab		10,000	
2 UNIVERSITY RESEARCH INITIATIVES	78,166	88,166	10,000
Program increase - soldier touchpoint center CsUAS extensions		10,000	
3 UNIVERSITY AND INDUSTRY RESEARCH CENTERS	109,726	109,726	0
4 CYBER COLLABORATIVE RESEARCH ALLIANCE	5,525	5,525	0
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	10,309	10,309	0
5 BASIC RESEARCH			
ARMY AGILE INNOVATION AND DEVELOPMENT-APPLIED	8,032	8,032	0
6 RESEARCH			
7 COUNTER IMPROVISED-THREAT ADVANCED STUDIES	6,163	6,163	0
8 LETHALITY TECHNOLOGY	96,094	151,094	55,000
Program increase - advanced materials and manufacturing for modernization		10,000	
Program increase - assured AI-based autonomous rescue missions		10,000	
Program increase - carbon composites for hypersonic weapons		15,000	
Program increase - counter UAS for the tactical and operational force		10,000	
Program increase - SCIF university facility upgrades		10,000	
10 SOLDIER LETHALITY TECHNOLOGY	102,236	170,971	68,735
Climate change initiatives		-7,465	
Program increase - aerial delivery of fire suppression		5,000	
Program increase - nanolayered polymer optics		10,000	
Program increase - Pathfinder air assault		10,000	
Program increase - Pathfinder airborne		8,000	
Program increase - Pathfinder force protection		8,200	
Program increase - Pathfinder multidomain operations prototypes		8,000	
Program increase - soldier and platoon lightweight fuel cell		12,000	
Program increase - SPAD sensor technology maturation		10,000	
Program increase - XMP and CAV-X projectiles		5,000	

R-1	Budget Request	Committee Recommended	Change from Request
11 GROUND TECHNOLOGY	66,707	160,629	93,922
Climate change initiatives		-4,678	
Program increase - 2D polymer scalable manufacturing		5,000	
Program increase - advanced ceramics technologies		10,000	
Program increase - carbon nanomaterials as functional additives		6,500	
Program increase - consortium to develop cold-weather technology		5,000	
Program Increase - convergent manufacturing		10,000	
Program increase - engineered roadway repair materials		5,000	
Program increase - flexible hybrid electronics		16,000	
Program increase - forging innovation initiative		5,000	
Program increase - geosynthetic reinforced pavements		3,300	
Program increase - integrity of transparent armor		5,000	
Program increase - multimodal pavement scanner array		2,800	
Program increase - rapid advanced deposition		10,000	
Program increase - reuse consortium for water resiliency at installations		5,000	
Program increase - sustainable solutions for coatings		5,000	
Program increase - weather forecasting for real time decisions		5,000	
12 NEXT GENERATION COMBAT VEHICLE TECHNOLOGY	149,108	203,548	54,440
Climate change initiatives		-15,160	
Program increase - advanced gunner restraint system		3,600	
Program increase - advanced materials development for survivability		10,000	
Program increase - analytics and visualization of autonomous vehicle systems		12,000	
Program increase - expeditionary advanced manufacturing		5,000	
Program increase - machine learning optimized power electronics		5,000	
Program increase - medium caliber munitions		10,000	
Program increase - quantum cyber resilience manned and unmanned ground vehicle prototype		5,000	
Program increase - silicon carbide electronics		14,000	
Program increase - vehicle power protection		5,000	
13 NETWORK C3I TECHNOLOGY	84,576	123,417	38,841
Climate change initiatives		-7,159	
Program increase - Collaborative for Hierarchical & Agile Responsive Materials		5,000	
Program increase - distributed 3D radar satellite technology		5,000	
Program increase - low cost, miniaturized, EW/PNT receiver-sensor		10,000	
Program increase - man portable doppler radar		2,000	
Program increase - securing 3D packaging against adversaries		15,000	
Program increase - VESpER applied research		9,000	
14 LONG RANGE PRECISION FIRES TECHNOLOGY	32,089	80,589	48,500
Program increase - advanced manufacturing of energetic materials		8,500	
Program increase - aerospace development		10,000	
Program increase - hypersonic additive manufacturing		20,000	
Program increase - reactive alloy munition with enhanced blast for force modernization		10,000	
15 FUTURE VERTICAL LIFT TECHNOLOGY	52,685	66,350	13,665
Climate change initiatives		-5,335	
Program increase - high density eVTOL power source		15,000	
Program increase - high strength functional composites		4,000	

R-1	Budget Request	Committee Recommended	Change from Request
16 AIR AND MISSILE DEFENSE TECHNOLOGY	39,188	74,188	35,000
Program increase - missile risk-based mission assurance		5,000	
Program increase - C-sUAS mitigation on the move		10,000	
Program increase - C-UAS center of excellence		5,000	
Program increase - optical hardware for high energy laser subsystems		10,000	
Program increase - quantum cyber resilience air and missile prototype		5,000	
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TECHNOLOGIES	20,319	30,319	10,000
Program increase - command center artificial intelligence		10,000	
18 ALL DOMAIN CONVERGENCE APPLIED RESEARCH	12,269	12,269	0
19 C3I APPLIED RESEARCH	25,839	25,839	0
20 AIR PLATFORM APPLIED RESEARCH	53,206	49,604	-3,602
Climate change initiatives		-3,602	
21 SOLDIER APPLIED RESEARCH	21,069	16,577	-4,492
Climate change initiatives		-4,492	
22 C3I APPLIED CYBER	28,656	28,656	0
23 BIOTECHNOLOGY FOR MATERIALS - APPLIED RESEARCH	11,780	11,780	0
25 MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	19,795	19,795	0
26 MEDICAL TECHNOLOGY	68,481	71,481	3,000
Program increase - surgical instrument sterilization		3,000	
999 CLASSIFIED PROGRAMS	35,766	35,766	0
27 MEDICAL ADVANCED TECHNOLOGY	3,112	8,112	5,000
Program increase - development of medical prophylaxis against radiological and nuclear threats		5,000	
MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	16,716	16,716	0
28			
29 ARMY AGILE INNOVATION AND DEMONSTRATION	14,608	25,608	11,000
Program increase - printable thermoplastics		3,000	
Program increase - sensor fusion automatic target recognition missile system		8,000	
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING ADVANCED TECHNOLOGIES	18,263	18,263	0
30			
31 ALL DOMAIN CONVERGENCE ADVANCED TECHNOLOGY	23,722	31,222	7,500
Program increase - networked multi-sensor multi-object weapon targeting		7,500	
32 C3I ADVANCED TECHNOLOGY	22,814	22,814	0
33 AIR PLATFORM ADVANCED TECHNOLOGY	17,076	17,076	0
34 SOLDIER ADVANCED TECHNOLOGY	10,133	10,133	0

R-1	Budget Request	Committee Recommended	Change from Request
35 LETHALITY ADVANCED TECHNOLOGY	33,969	53,969	20,000
Program increase - counter UAS experiment		10,000	
Program increase - hypersonics test range infrastructure		10,000	
37 SOLDIER LETHALITY ADVANCED TECHNOLOGY	94,899	137,322	42,423
Climate change initiatives		-7,577	
Program increase - AI-based assessment of tactical combat casualty care		3,000	
Program increase - alternative proteins research		7,000	
Program increase - helmet pads for next generation integrated head protection		5,000	
Program increase - HMD risk reduction for improved IVAS		5,000	
Program increase - optimizing the human weapon system		5,000	
Program increase - pilot program for drone agnostic and programmable munitions for sUAV		5,000	
Program increase - securing thermal technology capabilities		10,000	
Program increase - soldier ballistic head protection		10,000	
38 GROUND ADVANCED TECHNOLOGY	45,880	144,775	98,895
Climate change initiatives		-5,605	
Program increase - clean modular hydropower		5,000	
Program increase - cross laminated timber		6,000	
Program increase - expeditionary additive construction		15,000	
Program increase - explosives, chemical, and opioid detection technology		5,000	
Program increase - future of counter-UAS (FoCUS)		10,000	
Program increase - in theater repair and construction of deployable assets		5,000	
Program increase - innovative design and manufacturing of advanced composites multi-material protective systems		5,000	
Program increase - methane capture and conversion		5,000	
Program increase - microgrid reliability and resiliency		10,000	
Program increase - next generation construction materials for advanced pavement preservation		3,500	
Program increase - novel materials for smart infrastructure systems		6,000	
Program increase - ruggedized mobile power generation		4,000	
Program increase - ruggedized expeditionary self-contained generator		10,000	
Program increase - secure management of energy generation and storage		4,000	
Program increase - self-contained power for towers and sensors		5,000	
Program increase - wastewater reduction and reutilization system		6,000	
39 COUNTER IMPROVISED-THREAT SIMULATION	21,398	21,398	0
BIOTECHNOLOGY FOR MATERIALS - ADVANCED	36,360	36,360	0
40 RESEARCH			
41 C3I CYBER ADVANCED DEVELOPMENT	19,616	39,616	20,000
Program increase - high bandwidth cryptomodule enhancements & certification		20,000	
HIGH PERFORMANCE COMPUTING MODERNIZATION	239,597	239,597	0
42 PROGRAM			

R-1	Budget Request	Committee Recommended	Change from Request
NEXT GENERATION COMBAT VEHICLE ADVANCED	175,198	270,622	95,424
43 TECHNOLOGY			
Climate change initiatives		-29,576	
Program increase - 120mm precision guided tank munition		10,000	
Program increase - additive manufacturing and new platform technology		15,000	
Program increase - carbon ceramic brakes		5,000	
Program increase - casting to additive manufacturing		3,000	
Program increase - composite components for medium caliber armament systems		10,000	
Program increase - composite rubber tracks		6,000	
Program increase - C-UAS for 5G-enabled drones		10,000	
Program increase - cybersecurity for autonomous ground vehicle		5,500	
Program increase - electric and hydrogen fuel cell ground vehicles		5,000	
Program increase - highly electrified vehicles		5,000	
Program increase - HTPEM APU		5,000	
Program increase - machine learning for advanced lightweight combat vehicle structures		10,000	
Program increase - maneuverable lightweight electric weight reducer		7,500	
Program increase - operational energy testing		5,000	
Program increase - self sealing fuel tanks		5,000	
Program increase - silent mobility vehicle cooling		8,000	
Program increase - synthetic graphite battery technology		10,000	
44 NETWORK C3I ADVANCED TECHNOLOGY	94,424	119,424	25,000
Program increase - dynamic tactical networking		10,000	
Program increase - resilient emergency communications		5,000	
Program increase - unified distributed computing capability		10,000	
45 LONG RANGE PRECISION FIRES ADVANCED	164,943	164,943	0
46 FUTURE VERTICAL LIFT ADVANCED TECHNOLOGY	140,578	222,619	82,041
Climate change initiatives		-5,459	
Program increase - advanced helicopter seating system		15,000	
Program Increase - autonomous configuration management and aviation records prototype development		5,000	
Program Increase - ballistic tolerant self-sealing hose		10,000	
Program increase - composite oil reservoir		10,000	
Program Increase - data refinement and optimization for aviation sustainment program		5,500	
Program increase - FLEETSPACE helicopter maintenance management tool		9,500	
Program Increase - surface tolerant adhesives		12,500	
Program increase - tactical organic fire support		5,000	
Program increase - variable speed rotor, blade and higher harmonic control		15,000	
47 AIR AND MISSILE DEFENSE ADVANCED TECHNOLOGY	28,333	76,333	48,000
Program increase - advanced multi-layered mobile force protection		20,000	
Program increase - counter hypersonic missile propulsion		18,000	
Program increase - RAPID C-sUAS missile		10,000	
49 HUMANITARIAN DEMINING	9,272	25,000	15,728
Program increase		15,728	
999 CLASSIFIED PROGRAMS	155,526	155,526	0
51 ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	13,031	18,031	5,000
Program increase - compact array of scanning antennas for directed energy		5,000	

R-1	Budget Request	Committee Recommended	Change from Request
52 ARMY SPACE SYSTEMS INTEGRATION	19,659	29,659	10,000
Program increase - distributed aperture adjunct for multi-domain operations		10,000	
53 AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	0	33,560	33,560
Program increase - deep CEMA		30,000	
Program increase - shryke glide munition		3,560	
54 LANDMINE WARFARE AND BARRIER - ADV DEV	58,617	66,617	8,000
Program increase - autonomous detection, classification, and geo-location of landmines		8,000	
55 TANK AND MEDIUM CALIBER AMMUNITION	116,027	156,027	40,000
Program increase - 120mm kinetic energy tank propellant		10,000	
Program increase - 155mm boosted payload carrier		20,000	
Program increase - XM1155-SC seeker development and test		10,000	
56 ARMORED SYSTEM MODERNIZATION - ADV DEV	23,235	33,235	10,000
Program increase - advanced combat engine		10,000	
57 SOLDIER SUPPORT AND SURVIVABILITY	4,059	4,059	0
TACTICAL ELECTRONIC SURVEILLANCE SYSTEM - ADV DEV	90,265	100,265	10,000
58			
Program increase - operational electronic warfare laboratory and integration		10,000	
59 NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	64,113	64,113	0
60 ENVIRONMENTAL QUALITY TECHNOLOGY - DEM/VAL	34,091	38,299	4,208
Climate change initiatives		-15,792	
Program increase - PFAS destruction demonstration		5,000	
Program increase - underwater cut and capture demonstration		5,000	
Program increase - wire-arc additive manufacturing		10,000	
61 NATO RESEARCH AND DEVELOPMENT	4,184	4,184	0
62 AVIATION - ADV DEV	6,591	19,091	12,500
Program Increase - all electric flight control system		12,500	
63 LOGISTICS AND ENGINEER EQUIPMENT - ADV DEV	12,445	27,445	15,000
Program increase - Army executive agent program		15,000	
64 MEDICAL SYSTEMS - ADV DEV	582	582	0
65 SOLDIER SYSTEMS - ADVANCED DEVELOPMENT	24,284	24,284	0
66 ROBOTICS DEVELOPMENT	3,039	3,039	0
67 EXPANDED MISSION AREA MISSILE (EMAM)	102,589	118,509	15,920
MDACS delayed new start		-14,080	
Program increase - counter-unmanned aerial system swarm technology acceleration		30,000	
CROSS FUNCTIONAL TEAM (CFT) ADVANCED DEVELOPMENT & PROTOTYPING	63,831	63,831	0
68			
69 LOW EARTH ORBIT (LEO) SATELLITE CAPABILITY	21,935	21,935	0

R-1	Budget Request	Committee Recommended	Change from Request
70 MULTI-DOMAIN SENSING SYSTEM (MDSS) ADV DEV Program increase - aerial ISR electro-optical confirmation	239,135	259,135 20,000	20,000
71 TACTICAL INTEL TARGETING ACCESS NODE (TITAN) ADV DEV	4,317	4,317	0
72 ANALYSIS OF ALTERNATIVES	11,234	11,234	0
73 SMALL UNMANNED AERIAL VEHICLE (SUAV) (6.4)	1,800	1,800	0
74 ELECTRONIC WARFARE PLANNING AND MANAGEMENT TOOL (EWPMT)	2,004	2,004	0
75 FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM	127,870	127,870	0
76 LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR P3I carryover	149,463	111,463 -38,000	-38,000
77 TECHNOLOGY MATURATION INITIATIVES	252,000	252,000	0
78 MANEUVER - SHORT RANGE AIR DEFENSE (M-SHORAD)	315,772	315,772	0
80 ASSURED POSITIONING, NAVIGATION AND TIMING (PNT)	24,168	24,168	0
81 SYNTHETIC TRAINING ENVIRONMENT REFINEMENT & PROTOTYPING SIVT IVAS trainer ahead of need	136,029	117,140 -18,889	-18,889
82 COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING	17,341	17,341	0
85 BIOTECHNOLOGY FOR MATERIALS - DEM/VAL	20,862	20,862	0
86 FUTURE INTERCEPTOR	8,058	8,058	0
88 COUNTER - SMALL UNMANNED AIRCRAFT SYSTEMS ADVANCED DEVELOPMENT Program increase - next generation counter-unmanned aerial system missile	59,983	79,983 20,000	20,000
90 UNIFIED NETWORK TRANSPORT	31,837	31,837	0
91 CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT	2,270	2,270	0
999 CLASSIFIED PROGRAMS	277,181	277,181	0
92 AIRCRAFT AVIONICS Program increase - BE-CDL mode 300 series protected waveforms	7,171	22,171 15,000	15,000
93 ELECTRONIC WARFARE DEVELOPMENT	35,942	35,942	0
94 INFANTRY SUPPORT WEAPONS Program increase - AI-enabled weapons sensors Program increase - blank ammunition simulation Program increase - cannon life extension program	52,586	67,186 5,000 6,600 3,000	14,600

R-1	Budget Request	Committee Recommended	Change from Request
95 MEDIUM TACTICAL VEHICLES Climate change initiatives	15,088	3,565 -11,523	-11,523
96 JAVELIN	10,405	10,405	0
97 FAMILY OF HEAVY TACTICAL VEHICLES	50,011	50,011	0
98 AIR TRAFFIC CONTROL Program increase - integrated mission planning and airspace control tools	982	10,982 10,000	10,000
99 TACTICAL UNMANNED GROUND VEHICLE (TUGV)	92,540	92,540	0
100 LIGHT TACTICAL WHEELED VEHICLES HEV prototypes	100,257	0 -100,257	-100,257
101 ARMORED SYSTEMS MODERNIZATION (ASM) - ENG DEV	48,097	48,097	0
102 NIGHT VISION SYSTEMS - ENG DEV	89,259	89,259	0
103 COMBAT FEEDING, CLOTHING, AND EQUIPMENT Program increase - closed combustion containerized kitchen	3,286	8,286 5,000	5,000
104 NON-SYSTEM TRAINING DEVICES - ENG DEV	28,427	28,427	0
AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE - 105 ENG DEV	69,653	69,653	0
106 CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	30,097	30,097	0
107 AUTOMATIC TEST EQUIPMENT DEVELOPMENT	12,927	12,927	0
DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS) - ENG 108 DEV	8,914	8,914	0
109 BRIGADE ANALYSIS, INTEGRATION AND EVALUATION	26,352	26,352	0
110 WEAPONS AND MUNITIONS - ENG DEV Program increase - defense munitions proving ground	242,949	251,949 9,000	9,000
111 LOGISTICS AND ENGINEER EQUIPMENT - ENG DEV Program increase - mobile ULCANS	41,829	46,829 5,000	5,000
COMMAND, CONTROL, COMMUNICATIONS SYSTEMS - 112 ENG DEV	92,300	92,300	0
MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE 113 EQUIPMENT - ENG DEV	7,143	7,143	0
114 LANDMINE WARFARE/BARRIER - ENG DEV Program increase - prototype integration	19,134	54,134 35,000	35,000
ARMY TACTICAL COMMAND & CONTROL HARDWARE & 115 SOFTWARE Carryover Program increase - DDS communications modernization	165,229	166,838 -8,391 10,000	1,609

R-1	Budget Request	Committee Recommended	Change from Request
116 RADAR DEVELOPMENT	76,090	76,090	0
117 GENERAL FUND ENTERPRISE BUSINESS SYSTEM	1,995	1,995	0
118 SOLDIER SYSTEMS - WARRIOR DEM/VAL Program increase - domestic solid-state battery manufacturing	29,132	34,132 5,000	5,000
SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS - 119 EMD	77,864	77,864	0
120 ARTILLERY SYSTEMS - EMD Program increase - wireless hearing protection	50,495	55,495 5,000	5,000
121 INFORMATION TECHNOLOGY DEVELOPMENT Climate change initiatives	120,076	119,124 -952	-952
122 INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY	126,354	126,354	0
123 JOINT TACTICAL NETWORK CENTER (JTNC)	20,191	20,191	0
124 JOINT TACTICAL NETWORK (JTN)	31,214	31,214	0
125 COMMON INFRARED COUNTERMEASURES (CIRCM)	11,691	11,691	0
126 COMBATING WEAPONS OF MASS DESTRUCTION (CWMD)	7,846	7,846	0
NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE 127 VEHICLE (NBCRV) SENSOR SUITE	7,886	7,886	0
128 DEFENSIVE CYBER TOOL DEVELOPMENT	4,176	4,176	0
129 TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER)	4,288	4,288	0
130 CONTRACT WRITING SYSTEM	9,276	9,276	0
132 AIRCRAFT SURVIVABILITY DEVELOPMENT	38,225	38,225	0
133 INDIRECT FIRE PROTECTION CAPABILITY INC 2 - BLOCK 1 Carryover	167,912	143,389 -24,523	-24,523
134 GROUND ROBOTICS	28,378	28,378	0
135 EMERGING TECHNOLOGY INITIATIVES HEV prototypes Program increase - C-UAS and C-CM HEL atmospheric study and prototype	164,734	131,658 -38,076 5,000	-33,076
137 NEXT GENERATION LOAD DEVICE - MEDIUM	2,931	2,931	0
138 TACTICAL INTEL TARGETING ACCESS NODE (TITAN) EMD Program increase - digital technologies	157,036	162,036 5,000	5,000
140 SMALL UNMANNED AERIAL VEHICLE (SUAV) (6.5)	37,876	37,876	0
141 CI AND HUMINT EQUIPMENT PROGRAM-ARMY (CIHEP-A)	1,296	1,296	0

R-1	Budget Request	Committee Recommended	Change from Request
JOINT TARGETING INTEGRATED COMMAND AND 142 COORDINATION SUITE (JTIC2S)	28,553	28,553	0
143 MULTI-DOMAIN INTELLIGENCE	18,913	36,913	18,000
Program increase - geographic change detection		5,000	
Program increase - NexGen intel mission operations support		10,000	
Program increase - project matrix software		3,000	
144 PRECISION STRIKE MISSILE (PRSM)	184,046	184,046	0
145 HYPERSONICS EMD	538,017	538,017	0
146 ACCESSIONS INFORMATION ENVIRONMENT (AIE)	32,265	32,265	0
147 STRATEGIC MID-RANGE CAPABILITY	182,823	182,823	0
148 INTEGRATED TACTICAL COMMUNICATIONS	23,363	23,363	0
FUTURE LONG RANGE ASSAULT AIRCRAFT 149 DEVELOPMENT	1,253,637	1,253,637	0
150 THEATER SIGINT SYSTEM (TSIGS)	6,660	6,660	0
151 JOINT REDUCED RANGE ROCKET (JR3)	13,565	13,565	0
152 SPECTRUM SITUATIONAL AWARENESS SYSTEM (S2AS)	9,330	9,330	0
153 JOINT AIR-TO-GROUND MISSILE (JAGM)	3,030	3,030	0
154 ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)	602,045	587,045	-15,000
THAAD integration ahead of need		-27,000	
Program increase - AI decision aids for C-UAS swarms		12,000	
COUNTER - SMALL UNMANNED AIRCRAFT SYSTEMS SYS 155 DEV & DEMONSTRATION	59,563	59,563	0
157 MANNED GROUND VEHICLE	504,841	504,841	0
158 NATIONAL CAPABILITIES INTEGRATION (MIP)	16,565	16,565	0
JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING 159 AND MANUFACTURING DEVELOPMENT PHASE (EMD)	27,013	0	-27,013
HEV prototypes		-27,013	
160 AVIATION GROUND SUPPORT EQUIPMENT	979	30,979	30,000
Program Increase - CSOC extended regional cyber spoke		10,000	
Program increase - multi-domain operations environment for test and training		20,000	
161 TROJAN - RH12	3,930	3,930	0
163 ELECTRONIC WARFARE DEVELOPMENT	131,096	131,096	0
999 CLASSIFIED PROGRAMS	83,136	83,136	0
164 THREAT SIMULATOR DEVELOPMENT	71,298	71,298	0

R-1	Budget Request	Committee Recommended	Change from Request
165 TARGET SYSTEMS DEVELOPMENT	15,788	20,788	5,000
Program increase - replacement of foreign engines for aerial targets		5,000	
166 MAJOR T&E INVESTMENT	78,613	93,613	15,000
Program increase - advancing operational test infrastructure		15,000	
167 RAND ARROYO CENTER	38,122	38,122	0
168 ARMY KWAJALEIN ATOLL	321,755	305,401	-16,354
Climate change initiatives		-16,354	
169 CONCEPTS EXPERIMENTATION PROGRAM	86,645	86,645	0
171 ARMY TEST RANGES AND FACILITIES	461,085	466,085	5,000
Program increase - WDTC		5,000	
ARMY TECHNICAL TEST INSTRUMENTATION AND	75,591	90,591	15,000
172 TARGETS			
Program increase - hypersonic multi-domain test modules		15,000	
173 SURVIVABILITY/LETHALITY ANALYSIS	37,604	37,604	0
174 AIRCRAFT CERTIFICATION	2,201	2,201	0
176 MATERIEL SYSTEMS ANALYSIS	27,420	23,913	-3,507
Climate change analyses		-3,507	
177 EXPLOITATION OF FOREIGN ITEMS	6,245	6,245	0
178 SUPPORT OF OPERATIONAL TESTING	76,088	76,088	0
179 ARMY EVALUATION CENTER	73,220	73,220	0
180 ARMY MODELING & SIM X-CMD COLLABORATION &	11,257	11,257	0
181 PROGRAMWIDE ACTIVITIES	91,895	91,895	0
182 TECHNICAL INFORMATION ACTIVITIES	32,385	40,285	7,900
Program increase - Army geospatial enterprise data advantage		7,900	
MUNITIONS STANDARDIZATION, EFFECTIVENESS AND	50,766	50,766	0
183 SAFETY			
ENVIRONMENTAL QUALITY TECHNOLOGY MGMT	1,659	1,659	0
184 SUPPORT			
185 ARMY DIRECT REPORT HEADQUARTERS - R&D - MHA	59,727	59,727	0
186 RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST	73,400	73,400	0
187 COUNTERINTEL AND HUMAN INTEL MODERNIZATION	4,574	4,574	0
ASSESSMENTS AND EVALUATIONS CYBER	10,105	10,105	0
188 VULNERABILITIES			
190 MLRS PRODUCT IMPROVEMENT PROGRAM	14,188	14,188	0

R-1	Budget Request	Committee Recommended	Change from Request
191 ANTI-TAMPER TECHNOLOGY SUPPORT	7,489	7,489	0
COMBATING WEAPONS OF MASS DESTRUCTION (CWMD)	271	271	0
192 PRODUCT IMPROVEMENT			
WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT	9,363	24,363	15,000
193 PROGRAMS			
Program increase - agile compliance and supply chain management		5,000	
Program increase - stibnite and antimony		10,000	
194 BLACKHAWK PRODUCT IMPROVEMENT PROGRAM	25,000	130,500	105,500
Program increase - Blackhawk modernization		100,000	
Program increase - UH-60 Blackhawk main rotor blade modernization		5,500	
195 CHINOOK PRODUCT IMPROVEMENT PROGRAM	4,816	4,816	0
196 IMPROVED TURBINE ENGINE PROGRAM	67,029	67,029	0
AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT	0	10,000	10,000
197 AND DEVELOPMENT			
Program increase - Hydra-70 rocket product improvements		10,000	
198 UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS	24,539	24,539	0
199 APACHE FUTURE DEVELOPMENT	8,243	8,243	0
AN/TPQ-53 COUNTERFIRE TARGET ACQUISITION RADAR	53,652	53,652	0
200 SYSTEM			
201 INTEL CYBER DEVELOPMENT	9,753	9,753	0
203 ELECTRONIC WARFARE DEVELOPMENT	5,559	5,559	0
204 ENDURING TURBINE ENGINES AND POWER SYSTEMS	2,620	0	-2,620
Electrical power systems modernization		-2,620	
206 FAMILY OF BIOMETRICS	590	590	0
207 PATRIOT PRODUCT IMPROVEMENT	168,458	168,458	0
JOINT AUTOMATED DEEP OPERATION COORDINATION	27,582	27,582	0
208 SYSTEM (JADOCs)			
209 COMBAT VEHICLE IMPROVEMENT PROGRAMS	272,926	350,979	78,053
Carryover		-16,347	
Program increase - cannon telematic sensor systems		9,000	
Program increase - formed metallic armor for combat vehicles		10,000	
Program increase - next generation auxiliary power units		6,500	
Program increase - Stryker driver assistance systems		10,900	
Program increase - Stryker modernization		58,000	
210 155MM SELF-PROPELLED HOWITZER IMPROVEMENTS	55,205	60,205	5,000
Program increase - fire faster integration		5,000	
AIRCRAFT ENGINE COMPONENT IMPROVEMENT	142	142	0
211 PROGRAM			

R-1	Budget Request	Committee Recommended	Change from Request
212 DIGITIZATION	1,562	1,562	0
MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT	1,511	1,511	0
213 PROGRAM			
214 OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS	23,708	28,708	5,000
Program increase - containerized weapon system - APKWS		5,000	
ENVIRONMENTAL QUALITY TECHNOLOGY -	269	5,269	5,000
215 OPERATIONAL SYSTEM DEV			
Program increase - demonstration of commercial software to modernize reporting systems		5,000	
216 GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS)	20,590	20,590	0
221 INFORMATION SYSTEMS SECURITY PROGRAM	15,733	15,733	0
222 GLOBAL COMBAT SUPPORT SYSTEM	2,566	2,566	0
223 SATCOM GROUND ENVIRONMENT (SPACE)	26,643	26,643	0
226 INTEGRATED BROADCAST SERVICE (IBS)	5,701	5,701	0
229 MQ-1 GRAY EAGLE UAV	6,681	6,681	0
230 END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	67,187	92,187	25,000
Program increase - advanced delamination resistant transparent armor		10,000	
Program increase - manufacturing technology for reverse engineering		5,000	
Program increase - novel castings and forgings demonstrations		10,000	
999 CLASSIFIED PROGRAMS	32,518	32,518	0
DEFENSIVE CYBER - SOFTWARE PROTOTYPE	74,548	79,548	5,000
231 DEVELOPMENT			
Program increase - AI/ML packet-based anomaly detection		5,000	
TOTAL, RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY	14,073,308	15,335,703	1,262,395

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1	Budget Request	Committee Recommended	Change from Request
1 UNIVERSITY RESEARCH INITIATIVES	94,259	124,859	30,600
Program increase - next-generation real-time digital radar system development and demos		12,600	
Program increase - highly digital airborne radar		5,000	
Program increase - bio coherent energy transfer research		8,000	
Program increase - artificial intelligence and maritime maneuvering project		5,000	
2 DEFENSE RESEARCH SCIENCES	483,914	501,914	18,000
Program increase - silicon-germanium-tin alloy research		8,000	
Program increase - hypersonic workforce development		10,000	
3 POWER PROJECTION APPLIED RESEARCH	23,842	27,842	4,000
Program increase - high speed hypersonic testing		4,000	
4 FORCE PROTECTION APPLIED RESEARCH	120,716	156,316	35,600
Program increase - precision AI enabled Naval supply chain logistics		6,000	
Program increase - seawater to jet fuel demonstration		10,000	
Program increase - coastal environmental research		9,600	
Program increase - large-scale wire arc additive manufacturing for unmanned underwater vehicles		10,000	
5 MARINE CORPS LANDING FORCE TECHNOLOGY	53,758	58,758	5,000
Program increase - testing and evaluation of silicon anode-based lithium-ion batteries		5,000	
6 COMMON PICTURE APPLIED RESEARCH	51,202	51,202	0
7 WARFIGHTER SUSTAINMENT APPLIED RESEARCH	76,379	89,379	13,000
Program increase - rapid applied materials processing lab development		6,000	
Program increase - musculoskeletal health and performance optimization in female marines		4,000	
Program increase - corrosion research		3,000	
8 ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH	91,441	99,441	8,000
Program increase - advanced antenna technology for E-2D		8,000	
9 OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	78,930	78,930	0
10 JOINT NON-LETHAL WEAPONS APPLIED RESEARCH	7,719	16,719	9,000
Program increase - novel compact cooling system development for non-lethal directed energy weapons		9,000	
11 UNDERSEA WARFARE APPLIED RESEARCH	57,525	64,525	7,000
Program increase - persistent undersea surveillance		7,000	
12 FUTURE NAVAL CAPABILITIES APPLIED RESEARCH	163,673	163,673	0
13 MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	31,460	31,460	0

R-1	Budget Request	Committee Recommended	Change from Request
14 INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH Program increase - ATRT enterprise	127,363	152,363 25,000	25,000
15 SCIENCE AND TECHNOLOGY MANAGEMENT - ONR FIELD ACITIVITIES	90,939	90,939	0
16 FORCE PROTECTION ADVANCED TECHNOLOGY Program increase - self-extinguishing and thermal isolating materials Program increase - power conversion technology for next generation ships Program increase - fire extinguishing structures and insulation	31,556	46,556 5,000 10,000	15,000
17 ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY	8,537	8,537	0
18 SCIENCE & TECHNOLOGY FOR NUCLEAR RE-ENTRY SYSTEMS	118,624	118,624	0
19 USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD) Program increase - one MQ-9B SeaGuardian Program increase - enterprise mission planning and integrated real-time execution Program increase - low-cost attritable aircraft technology Program increase - multi-function array for C-UAS Program increase - extended range high speed aerial loitering munitions Program increase - wing-in ground vehicle technology	243,247	367,547 55,000 9,400 34,900 10,000 10,000 5,000	124,300
20 JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT	16,188	16,188	0
21 FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT Program increase - CO2 removal from recirculated air in submersibles Program increase - installed systems test chamber capacity	262,869	273,069 8,000 2,200	10,200
22 MANUFACTURING TECHNOLOGY PROGRAM	63,084	63,084	0
23 WARFIGHTER PROTECTION ADVANCED TECHNOLOGY Program increase - warfighter resilience and readiness Program increase - omniblaster water sensor technology Program increase - bone marrow registry program	5,105	25,105 3,000 7,000 10,000	20,000

R-1	Budget Request	Committee Recommended	Change from Request
24 NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS	97,615	141,915	44,300
Program increase - NavalX tech bridge facilities		15,000	
Program increase - passive sonar sensor AI testbed		17,000	
Program increase - generative AI warfighter military training modernization		7,000	
Program increase - NavalX regional test and evaluation accelerator		5,300	
25 MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY	2,050	2,050	0
26 INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY DEVELOPMENT	131,288	160,988	29,700
Program increase - coherently-combined fiber laser arrays without wavefront sensing		15,000	
Program increase - advanced seeker technology for hypersonic missiles		5,000	
Program increase - GYPSY long range loitering munition		9,700	
27 UNMANNED AERIAL SYSTEM	99,940	93,175	-6,765
Project 3448 payload cost growth		-21,765	
Program increase - autonomous maritime patrol aircraft		15,000	
28 LARGE UNMANNED SURFACE VEHICLES (LUSV)	53,964	58,964	5,000
Program increase - gas turbine power and propulsion system		5,000	
29 AIR/OCEAN TACTICAL APPLICATIONS	41,765	41,765	0
30 AVIATION SURVIVABILITY	23,115	23,115	0
31 NAVAL CONSTRUCTION FORCES	7,866	12,866	5,000
Program increase - autonomy kits for port and airfield damage repair		5,000	
32 ASW SYSTEMS DEVELOPMENT	20,033	20,033	0
33 TACTICAL AIRBORNE RECONNAISSANCE	3,358	3,358	0
34 ADVANCED COMBAT SYSTEMS TECHNOLOGY	2,051	12,051	10,000
Program increase - Navy data aggregation enterprise		5,000	
Program increase - threat adaptive command and control		5,000	
35 SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	29,421	35,421	6,000
Program increase - expeditionary MCM command and control system		6,000	
36 SURFACE SHIP TORPEDO DEFENSE	4,790	4,790	0
37 CARRIER SYSTEMS DEVELOPMENT	5,659	5,659	0
38 PILOT FISH	1,007,324	979,324	-28,000
Classified adjustment		-28,000	
40 RETRACT JUNIPER	199,172	199,172	0
41 RADIOLOGICAL CONTROL	801	801	0

R-1	Budget Request	Committee Recommended	Change from Request
42 SURFACE ASW	1,194	1,194	0
43 ADVANCED SUBMARINE SYSTEM DEVELOPMENT Program increase - novel Conformal Acoustic Velocity Sonar (CAVES) array materials development	96,694	100,694 4,000	4,000
44 SUBMARINE TACTICAL WARFARE SYSTEMS	14,924	14,924	0
45 SHIP CONCEPT ADVANCED DESIGN Project 5010 excess to need	110,800	105,811 -4,989	-4,989
46 SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES Program increase - optimum track ship routing improvements using commercial data and software solutions Program increase- supply chain risk mitigation	52,586	59,086 1,500 5,000	6,500
47 ADVANCED NUCLEAR POWER SYSTEMS Project 2370 excess to need	368,002	327,002 -41,000	-41,000
48 ADVANCED SURFACE MACHINERY SYSTEMS Program increase - silicon carbide flexible bus node Program increase - silicon carbide power electronics and system integration	93,942	109,842 10,900 5,000	15,900
49 CHALK EAGLE Classified adjustment	137,372	162,372 25,000	25,000
50 LITTORAL COMBAT SHIP (LCS)	9,132	9,132	0
51 COMBAT SYSTEM INTEGRATION	20,135	20,135	0
52 OHIO REPLACEMENT	189,631	189,631	0
53 LCS MISSION MODULES	28,801	28,801	0
54 AUTOMATED TEST AND RE-TEST (ATRT) Program increase - ATRT for Project Overmatch	10,805	25,805 15,000	15,000
54A ATRT RAPID ENTERPRISE CAPABILITY Program increase	0	100,000 100,000	100,000
55 FRIGATE DEVELOPMENT Test and evaluation ahead of need	107,658	105,482 -2,176	-2,176
56 CONVENTIONAL MUNITIONS	8,950	8,950	0
57 MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	103,860	103,860	0
58 JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	47,339	47,339	0
59 OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	15,587	15,587	0
60 ENVIRONMENTAL PROTECTION	23,258	23,258	0

R-1	Budget Request	Committee Recommended	Change from Request
61 NAVY ENERGY PROGRAM	60,610	60,610	0
62 FACILITIES IMPROVEMENT	9,067	9,067	0
63 CHALK CORAL Classified adjustment	459,791	873,119 413,328	413,328
64 NAVY LOGISTIC PRODUCTIVITY	6,059	6,059	0
65 RETRACT MAPLE	628,958	628,958	0
66 LINK PLUMERIA	346,553	346,553	0
67 RETRACT ELM	99,939	99,939	0
68 LINK EVERGREEN	460,721	460,721	0
69 NATO RESEARCH AND DEVELOPMENT	5,151	5,151	0
70 LAND ATTACK TECHNOLOGY	1,686	1,686	0
71 JOINT NON-LETHAL WEAPONS TESTING	30,263	30,263	0
72 JOINT PRECISION APPROACH AND LANDING SYSTEMS - DEM/VAL	4,047	4,047	0
73 DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS	9,877	9,877	0
74 F/A -18 INFRARED SEARCH AND TRACK (IRST)	8,630	8,630	0
75 DIGITAL WARFARE OFFICE	128,997	128,997	0
76 SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES	52,994	52,994	0
77 UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES Program increase - commercially available large diameter unmanned undersea vehicle technology	68,152	113,152 45,000	45,000
78 RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION. Program decrease	168,855	126,641 -42,214	-42,214
79 LARGE UNMANNED UNDERSEA VEHICLES	6,874	6,874	0
80 GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78 - 80)	96,670	96,670	0
82 SURFACE MINE COUNTERMEASURES	15,271	15,271	0
83 TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM)	35,030	35,030	0
84 NEXT GENERATION LOGISTICS	8,114	8,114	0

R-1	Budget Request	Committee Recommended	Change from Request
85 FUTURE VERTICAL LIFT (MARITIME STRIKE)	4,796	4,796	0
86 MARINE AVIATION DEMONSTRATION/VALIDATION	62,317	62,317	0
87 RAPID TECHNOLOGY CAPABILITY PROTOTYPE	120,392	120,392	0
88 LX (R)	12,785	12,785	0
89 ADVANCED UNDERSEA PROTOTYPING	21,466	21,466	0
90 COUNTER UNMANNED AIRCRAFT SYSTEMS (C-UAS) Program increase - automated air-to-air refueling Program increase - advanced capabilities and system hardening for the Marine Corps BEAM CUXS	14,185	28,985 5,000 9,800	14,800
91 PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM Program increase - condition based maintenance digital twins CAD/PAD	5,667	10,667 5,000	5,000
92 SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINEERING SUPPORT	8,896	8,896	0
93 OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT Project 3343 product development ahead of need	341,907	291,907 -50,000	-50,000
94 MEDIUM UNMANNED SURFACE VEHICLES (MUSVS) Carryover	101,838	87,338 -14,500	-14,500
95 UNMANNED SURFACE VEHICLE ENABLING CAPABILITIES Overestimation of support	92,868	89,372 -3,496	-3,496
96 GROUND BASED ANTI-SHIP MISSILE Program increase - integration, testing, and use of commercial autonomy kits for the ROGUE Fires Program	50,916	60,916 10,000	10,000
97 LONG RANGE FIRES	30,092	30,092	0
98 CONVENTIONAL PROMPT STRIKE (CPS)	903,927	903,927	0
99 ASW SYSTEMS DEVELOPMENT - MIP	7,253	7,253	0
100 ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM	3,504	3,504	0
101 ELECTRONIC WARFARE DEVELOPMENT - MIP	1,395	1,395	0
102 UNDERSEA ARTIFICIAL INTELLIGENCE / MACHINE LEARNING (AI/ML)	28,563	28,563	0
103 TRAINING SYSTEM AIRCRAFT Program increase - airborne augmented reality for Navy pilot training	26,120	31,120 5,000	5,000

R-1	Budget Request	Committee Recommended	Change from Request
104 MARITIME TARGETING CELL	43,301	43,301	0
107 AV-8B AIRCRAFT - ENG DEV	5,320	5,320	0
108 STANDARDS DEVELOPMENT	5,120	5,120	0
109 MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT	60,438	70,438	10,000
Program increase - MH-60 tactical edge network		10,000	
111 WARFARE SUPPORT SYSTEM	108,432	113,432	5,000
Program increase - coating high integrity material energetic release attenuation		5,000	
112 COMMAND AND CONTROL SYSTEMS	164,391	164,391	0
113 ADVANCED HAWKEYE	301,384	301,384	0
114 H-1 UPGRADES	39,023	39,023	0
115 ACOUSTIC SEARCH SENSORS	53,591	53,591	0
116 V-22A	109,431	144,831	35,400
Program increase - V-22 cockpit equipment upgrades		25,400	
Program increase - thermoplastics ice protection demonstration		10,000	
117 AIR CREW SYSTEMS DEVELOPMENT	29,330	29,330	0
118 EA-18	223,266	223,266	0
119 ELECTRONIC WARFARE DEVELOPMENT	189,750	189,750	0
120 EXECUTIVE HELO DEVELOPMENT	51,366	51,366	0
121 NEXT GENERATION JAMMER (NGJ)	86,721	86,721	0
122 JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY)	330,559	330,559	0
123 NEXT GENERATION JAMMER (NGJ) INCREMENT II	209,623	196,273	-13,350
Hardware development unjustified growth		-13,350	
124 SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	528,234	495,434	-32,800
Unjustified growth		-32,800	
125 SMALL DIAMETER BOMB (SDB)	19,744	19,744	0
126 STANDARD MISSILE IMPROVEMENTS	468,297	465,422	-2,875
Prior year underexecution		-7,875	
EU development delays		-10,000	
Program increase - accelerated qualification of modular solid rocket motors		15,000	
127 AIRBORNE MCM	11,066	11,066	0

R-1	Budget Request	Committee Recommended	Change from Request
128 NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR SYSTEMS ENGINEERING	41,419	41,419	0
130 ADVANCED ABOVE WATER SENSORS	112,231	112,231	0
131 SSN-688 AND TRIDENT MODERNIZATION	97,953	97,953	0
132 AIR CONTROL	84,458	84,458	0
133 SHIPBOARD AVIATION SYSTEMS	10,742	10,742	0
134 COMBAT INFORMATION CENTER CONVERSION	10,621	10,621	0
135 AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM	107,924	107,924	0
136 ADVANCED ARRESTING GEAR (AAG)	9,142	9,142	0
137 NEW DESIGN SSN	273,848	273,848	0
138 SUBMARINE TACTICAL WARFARE SYSTEM	71,982	71,982	0
139 SHIP CONTRACT DESIGN/ LIVE FIRE T&E Project 2465 prior year underexecution	13,675	11,740 -1,935	-1,935
140 NAVY TACTICAL COMPUTER RESOURCES	3,921	3,921	0
141 MINE DEVELOPMENT Program increase - powered quickstrike mine development	79,411	84,411 5,000	5,000
142 LIGHTWEIGHT TORPEDO DEVELOPMENT Carryover	137,265	122,477 -14,788	-14,788
143 JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	8,810	8,810	0
144 USMC GROUND COMBAT/SUPPORTING ARMS SYSTEMS - ENG DEV	33,880	33,880	0
145 PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS	10,011	10,011	0
146 JOINT STANDOFF WEAPON SYSTEMS	1,516	1,516	0
147 SHIP SELF DEFENSE (DETECT & CONTROL) Prior year underexecution	170,080	162,745 -7,335	-7,335
148 SHIP SELF DEFENSE (ENGAGE: HARD KILL) ESSMS system integration and test ahead of need ESSM Blk 2 software upgrades ahead of need Program increase - shipboard EW self-protection	74,214	64,364 -6,970 -7,880 5,000	-9,850
149 SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	165,599	165,599	0
150 INTELLIGENCE ENGINEERING	23,810	23,810	0

R-1	Budget Request	Committee Recommended	Change from Request
151 MEDICAL DEVELOPMENT	8,371	22,371	14,000
Program increase - military dental research program		14,000	
152 NAVIGATION/ID SYSTEM	44,326	52,326	8,000
Program increase - IFF crypto modernization for small UAS		8,000	
155 SSN(X)	348,788	348,788	0
156 INFORMATION TECHNOLOGY DEVELOPMENT	15,218	40,218	25,000
Program increase - Operation Cattle Drive deployment of capabilities		25,000	
157 INFORMATION TECHNOLOGY DEVELOPMENT	325,004	349,204	24,200
Program increase - cyber supply chain risk management		11,500	
Program increase - ship concept advanced design		12,700	
158 ANTI-TAMPER TECHNOLOGY SUPPORT	3,317	3,317	0
159 TACAMO MODERNIZATION	775,316	775,316	0
160 CH-53K RDTE	86,093	86,093	0
161 MISSION PLANNING	115,390	115,390	
162 COMMON AVIONICS	87,053	87,053	0
163 SHIP TO SHORE CONNECTOR (SSC)	5,697	5,697	0
164 NEXT GENERATION FIGHTER	453,828	453,828	0
166 UNMANNED CARRIER AVIATION (UCA)	214,919	214,919	0
167 JOINT AIR-TO-GROUND MISSILE (JAGM)	20,654	20,654	0
168 MULTI-MISSION MARITIME AIRCRAFT (MMA)	39,096	39,096	0
169 MULTI-MISSION MARITIME (MMA) INCREMENT III	134,366	134,366	0
170 LONG RANGE FIRES	120,728	120,728	0
171 MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT & DEMONSTRATION	60,181	60,181	0
172 JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVELOPMENT & DEMONSTRATION	10,748	10,748	0
173 DDG-1000	243,042	224,860	-18,182
Project 2464 support unjustified growth		-18,182	
174 COUNTERING ADVANCED CONVENTIONAL WEAPONS (CACW)	19,517	19,517	0
175 NON-KINETIC COUNTERMEASURE SUPPORT	8,324	8,324	0
179 ISR & INFO OPERATIONS	188,392	188,392	0
180 CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	7,581	7,581	0

R-1	Budget Request	Committee Recommended	Change from Request
181 THREAT SIMULATOR DEVELOPMENT	25,823	25,823	0
182 TARGET SYSTEMS DEVELOPMENT	17,224	17,224	0
183 MAJOR T&E INVESTMENT Program increase - security monitoring at maritime chokepoints	65,672	78,472 12,800	12,800
184 STUDIES AND ANALYSIS SUPPORT - NAVY	6,216	6,216	0
185 CENTER FOR NAVAL ANALYSES	43,648	43,648	0
187 TECHNICAL INFORMATION SERVICES	1,009	1,009	0
188 MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	137,521	137,521	0
189 STRATEGIC TECHNICAL SUPPORT	3,536	3,536	0
190 RDT&E SHIP AND AIRCRAFT SUPPORT Program increase - shipbuilding industrial base supply chain management	152,176	157,176 5,000	5,000
191 TEST AND EVALUATION SUPPORT	477,823	477,823	0
192 OPERATIONAL TEST AND EVALUATION CAPABILITY	30,603	30,603	0
193 NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT	23,668	23,668	0
194 SEW SURVEILLANCE/RECONNAISSANCE SUPPORT	6,390	6,390	0
195 MARINE CORPS PROGRAM WIDE SUPPORT	32,700	32,700	0
196 MANAGEMENT HQ - R&D	42,381	42,381	0
197 MARINE AVIATION DEVELOPMENTAL MANAGEMENT AND SUPPORT	5,000	5,000	0
198 WARFARE INNOVATION MANAGEMENT	50,652	50,652	0
199 INSIDER THREAT	2,920	2,920	0
200 MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES)	2,234	2,234	0
203 F-35 C2D2	480,759	480,759	0
204 F-35 C2D2 Project 2555 ahead of need	466,186	466,186	0
205 MARINE CORPS AIR DEFENSE WEAPONS SYSTEMS Program increase - high powered microwave C-UAS	74,119	88,519 14,400	14,400
206 COOPERATIVE ENGAGEMENT CAPABILITY (CEC)	142,552	142,552	0

R-1	Budget Request	Committee Recommended	Change from Request
207 STRATEGIC SUB & WEAPONS SYSTEM SUPPORT Project 3097 ahead of need	403,494	381,614 -21,880	-21,880
208 SSBN SECURITY TECHNOLOGY PROGRAM	61,012	61,012	0
209 SUBMARINE ACOUSTIC WARFARE DEVELOPMENT Carryover	96,667	89,061 -7,606	-7,606
210 NAVY STRATEGIC COMMUNICATIONS	29,743	29,743	0
211 F/A-18 SQUADRONS Program increase - F/A-18 advanced carrier landing navigation capability	374,194	384,194 10,000	10,000
212 SURFACE SUPPORT	8,420	8,420	0
213 TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC) Product development ahead of need	200,739	199,150 -1,589	-1,589
214 INTEGRATED SURVEILLANCE SYSTEM	72,473	72,473	0
215 SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS	1,428	1,428	0
216 AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT)	2,238	2,238	0
217 GROUND/AIR TASK ORIENTED RADAR (G/ATOR)	51,346	51,346	0
218 CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	159,648	159,648	0
219 ELECTRONIC WARFARE (EW) READINESS SUPPORT	139,164	139,164	0
220 ANTI-RADIATION MISSILE IMPROVEMENT Carryover Product development ahead of need	28,682	22,066 -5,158 -1,458	-6,616
221 SURFACE ASW COMBAT SYSTEM INTEGRATION	29,887	29,887	0
222 MK-48 ADCAP	164,935	164,935	0
223 AVIATION IMPROVEMENTS Program increase - radar FOD finding systems	136,276	138,276 2,000	2,000
224 OPERATIONAL NUCLEAR POWER SYSTEMS	167,098	167,098	0
225 MARINE CORPS COMMUNICATIONS SYSTEMS Support ahead of need Program increase - archer program	145,343	159,050 -1,293 15,000	13,707
226 COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S)	18,332	18,332	0
227 MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	77,377	77,377	0

R-1	Budget Request	Committee Recommended	Change from Request
228 MARINE CORPS COMBAT SERVICES SUPPORT	33,641	33,641	0
229 USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP)	37,372	37,372	0
231 TACTICAL AIM MISSILES	31,359	31,359	0
232 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	29,638	29,638	0
233 PLANNING AND DECISION AID SYSTEM (PDAS)	3,559	3,559	0
237 AFLOAT NETWORKS	56,915	56,915	0
238 INFORMATION SYSTEMS SECURITY PROGRAM	35,339	35,339	0
239 MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES	7,239	7,239	0
242 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS Program increase - machine learning technologies for geospatial features	45,550	52,550 7,000	7,000
243 MQ-4C TRITON	14,402	14,402	0
245 RQ-11 UAV	2,016	2,016	0
247 MULTI-INTELLIGENCE SENSOR DEVELOPMENT	40,267	40,267	0
248 UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP)	10,917	10,917	0
250 MQ-4C TRITON MODERNIZATION	444,042	444,042	0
251 INTELLIGENCE MISSION DATA (IMD)	793	793	0
252 MODELING AND SIMULATION SUPPORT Program increase - modeling and simulation toolkit	10,927	20,927 10,000	10,000
253 DEPOT MAINTENANCE (NON-IF)	28,799	28,799	0
254 MARITIME TECHNOLOGY (MARITECH)	4,326	4,326	0
999 CLASSIFIED PROGRAMS Classified adjustment	2,235,339	2,242,039 6,700	6,700
255 RISK MANAGEMENT INFORMATION - SOFTWARE PILOT PROGRAM	14,522	14,522	0
256 MARITIME TACTICAL COMMAND AND CONTROL (MTC2) - SOFTWARE PILOT PROGRAM Program increase - common operational picture AI	10,289	20,289 10,000	10,000
TOTAL, RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY	25,697,815	26,668,304	970,489

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1	Budget Request	Committee Recommendation	Change from Request
1 DEFENSE RESEARCH SCIENCES	361,930	361,930	0
2 UNIVERSITY RESEARCH INITIATIVES	143,372	148,372	5,000
Program increase - intelligent 2D sensors		5,000	
3 FUTURE AF CAPABILITIES APPLIED RESEARCH	85,477	85,477	0
4 UNIVERSITY AFFILIATED RESEARCH CENTER (UARC) - TACTICAL AUTONOMY	8,225	8,225	0
5 MATERIALS	142,336	186,336	44,000
Program increase - scale titanium additive manufacturing for critical airframe structures		10,000	
Program increase - disruptive alloy metals development		10,000	
Program increase - materials solution network		5,000	
Program increase - nano-bio materials		16,000	
Program increase - disaggregated intelligence		3,000	
6 AEROSPACE VEHICLE TECHNOLOGIES	5,235	15,235	10,000
Program increase - automated low-cost aerospace mass production		10,000	
7 HUMAN EFFECTIVENESS APPLIED RESEARCH	138,204	156,404	18,200
Program increase - F-35 helmet mounted display system		18,200	
8 AEROSPACE PROPULSION	339,477	379,877	40,400
Program increase - advanced fuel technologies for hypersonics aerospace propulsion		10,000	
Program increase - high mach turbine engine (HMTE) development		10,000	
Program increase - zero emission propulsion for aviation		7,400	
Program increase - novel advanced agile air platform technologies		8,000	
Program increase - aerospace propulsion research		5,000	
9 AEROSPACE SENSORS	193,029	193,029	0
11 SCIENCE AND TECHNOLOGY MANAGEMENT - MAJOR HEADQUARTERS ACTIVITIES	9,662	16,306	6,644
Program increase - adaptive blue force tracking		4,000	
Program increase - employing AI to recruit, develop, and retain		2,644	
12 CONVENTIONAL MUNITIONS	138,497	138,497	0
13 DIRECTED ENERGY TECHNOLOGY	114,962	124,962	10,000
Program increase - electromagnetic pulse efforts		10,000	

R-1	Budget Request	Committee Recommendation	Change from Request
14 DOMINANT INFORMATION SCIENCES AND METHODS	176,333	311,833	135,500
Program increase - adaptive blue force tracking		4,000	
Program increase - cyber institute to advance research and education		5,000	
Program increase - dependable AI for national security		10,000	
Program increase - future flag JADC2 operational experimentation testbed		25,000	
Program increase - heterogeneously integrated photonics and electronic technologies		5,000	
Program increase - REVELATIONS AI/ML Project		5,000	
Program increase - TPS75 radar CUAS upgrade		12,000	
Program increase - neutral-atom quantum networking and computing		7,500	
Program increase - trapped ion quantum information science computer		15,000	
Program increase - quantum networking with ion trap units		4,000	
Program increase - quantum computer UAS tracking		10,000	
Program increase - quantum computing in support of C4I dominance		10,000	
Program increase - quantum entanglement on drones		5,000	
Program increase - quantum entanglement distribution		15,000	
Program increase - modernized aviation ordinance loader development		3,000	
15 FUTURE AF INTEGRATED TECHNOLOGY DEMOS	248,506	182,000	-66,506
Excess growth		-52,540	
Historical underexecution		-13,966	
16 ADVANCED MATERIALS FOR WEAPON SYSTEMS	29,661	29,661	0
17 SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T)	12,558	10,478	-2,080
Excess growth		-2,080	
18 ADVANCED AEROSPACE SENSORS	37,935	37,935	0
19 AEROSPACE TECHNOLOGY DEV/DEMO	102,529	127,066	24,537
Unjustified growth		-18,810	
Program decrease - legacy aircraft drag reduction		-12,053	
Program increase - automated KC-135 prototyping and design demo		12,500	
Program increase - digital thread capabilities		10,000	
Program increase - hybrid integrated turret for extended capability high energy lasers		3,000	
Program increase - reentry systems test bed		10,000	
Program increase - reusable hypersonic rocket engine flight demonstration		5,000	
Program increase - low cost attritable aircraft technology		14,900	
20 AEROSPACE PROPULSION AND POWER	0	15,000	15,000
Program increase - advanced solid rocket motor propulsion propellant mixer technology demonstration		10,000	
Program increase - CCA Propulsion		5,000	
21 ELECTRONIC COMBAT TECHNOLOGY	36,445	36,445	0
22 SCIENCE & TECHNOLOGY FOR NUCLEAR RE-ENTRY	91,885	99,385	7,500
Program increase - thermally robust hypersonic and re-entry technologies		7,500	
24 HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY	19,568	19,568	0
25 CONVENTIONAL WEAPONS TECHNOLOGY	125,460	125,460	0

R-1	Budget Request	Committee Recommendation	Change from Request
26 ADVANCED WEAPONS TECHNOLOGY	25,050	25,050	0
27 MANUFACTURING TECHNOLOGY PROGRAM	34,730	148,030	113,300
Program increase - agile and adaptive additive manufacturing for next generation hypersonics		12,100	
Program increase - AFSC depot maintenance data science		6,400	
Program increase - classified agile aircraft manufacturing		15,000	
Program increase - classified additive manufacturing		20,000	
Program increase - complex castings for hypersonics		5,000	
Program increase - corrosion repair for hybrid airframes		5,000	
Program increase - domestic natural rubber production		7,550	
Program increase - gallium oxide for high power electronics		5,000	
Program increase - highly electrified aircraft		5,000	
Program increase - large-format metal additive manufacturing for hypersonics		5,000	
Program increase - rapid SMM DIB expansion for surge response		4,250	
Program increase - vertical integration of scramjet supply chain		15,000	
Program increase - metal additive manufacturing		5,000	
Program increase - organic industrial base internet of things 5G strategic study		3,000	
28 BATTLESPACE KNOWLEDGE DEVELOPMENT AND DEMONSTRATION	26,172	51,172	25,000
Program increase - B-52 agile pod		10,000	
Program increase - expeditionary UAS manufacturing and employment		10,000	
Program increase - translate legacy software to usable code		5,000	
29 DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D	27,762	25,002	-2,760
Unjustified growth		-2,760	
30 CONTROL AND REPORTING CENTER (CRC)	2,012	2,012	0
32 INTELLIGENCE ADVANCED DEVELOPMENT	3,820	3,820	0
33 COMBAT IDENTIFICATION TECHNOLOGY	24,799	24,799	0
34 NATO RESEARCH AND DEVELOPMENT	4,498	4,498	0
35 INTERCONTINENTAL BALLISTIC MISSILE - DEM/VAL	119,197	123,561	4,364
EFT 2 previously funded		-19,636	
Program increase - materials and equipment development		24,000	
36 NC3 ADVANCED CONCEPTS	10,148	5,448	-4,700
Unjustified growth		-4,700	
37 ADVANCED BATTLE MANAGEMENT SYSTEM (ABMS)	743,842	642,060	-101,782
Unjustified growth		-101,782	
38 ADVANCED ENGINE DEVELOPMENT	562,337	30,000	-532,337
Air Force requested transfer to line 38A		-532,337	
38A NEXT GENERATION ADAPTIVE PROPULSION	0	532,337	532,337
Air Force requested transfer from line 38		532,337	

R-1	Budget Request	Committee Recommendation	Change from Request
39 NC3 COMMERCIAL DEVELOPMENT & PROTOTYPING	68,124	68,124	0
41 E-7 Program increase - accelerating integration into JSE	418,513	428,513 10,000	10,000
42 AFWERX PRIME Program increase - Agility Prime Program increase - Autonomy Prime Program increase - alternative process for accelerated pathway to deliver software Program increase - autonomous eVTOL aircraft demonstration Program increase - longshot Program increase - maritime autonomous forward area refueling point for extended range UAS operations Program increase - mission planning toolbox for thousand- scale heterogeneous UAS swarms Program increase - multi-agent autonomous fielding	20,580	148,330 45,000 10,000 10,000 10,000 25,000 9,750 10,000 8,000	127,750
43 LONG RANGE STRIKE - BOMBER	2,654,073	2,654,073	0
44 RAPID DEFENSE EXPERIMENTATION RESERVE (RDER)	75,051	75,051	0
45 DIRECTED ENERGY PROTOTYPING	3,712	3,712	0
47 HYPERSONICS PROTOTYPING - HYPERSONIC ATTACK CRUISE MISSILE (HACM) Unjustified growth	516,971	492,729 -24,242	-24,242
49 ADVANCED TECHNOLOGY AND SENSORS	24,204	24,204	0
50 SURVIVABLE AIRBORNE OPERATIONS CENTER Contract award delay	1,687,500	1,546,875 -140,625	-140,625
51 TECHNOLOGY TRANSFER Program increase - generating rural innovation for National Defense	3,485	8,485 5,000	5,000
52 HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM Unjustified growth	154,417	139,408 -15,009	-15,009
53 CYBER RESILIENCY OF WEAPON SYSTEMS-ACS	59,539	59,539	0
55 REQUIREMENTS ANALYSIS & CONCEPT MATURATION Unjustified request	22,667	12,622 -10,045	-10,045
56 JOINT TRANSPORTATION MANAGEMENT SYSTEM (JTMS) Early to need Excess management services	174,723	105,796 -65,000 -3,927	-68,927
57 DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D	4,840	4,840	0

R-1	Budget Request	Committee Recommendation	Change from Request
58 TECH TRANSITION PROGRAM	234,342	244,016	9,674
Program decrease - blended wing body plane demonstrator		-8,726	
Program increase - operational additive manufacturing capabilities		13,400	
Program increase - high-voltage electric power platform		5,000	
59 OPERATIONAL ENERGY AND INSTALLATION RESILIENCE	63,194	0	-63,194
Program decrease - advanced distributed operations		-37,799	
Program decrease - Air Force energy		-25,395	
60 NEXT GENERATION AIR-REFUELING SYSTEM	7,014	7,014	0
61 AIR REFUELING CAPABILITY MODERNIZATION	13,661	13,661	0
62 DIGITAL TRANSFORMATION OFFICE	9,800	33,600	23,800
Program increase - digital engineering enabled workforce development		7,000	
Program increase - digital-first ecosystem scaling		10,000	
Program increase - digital-first systems engineering		6,800	
64 NEXT GENERATION AIR DOMINANCE	3,306,355	3,303,035	-3,320
Acquisition costs excess growth		-4,032	
Excess growth		-21,698	
Underexecution		-5,190	
Classified adjustment		27,600	
65 AUTONOMOUS COLLABORATIVE PLATFORMS	51,666	66,666	15,000
Program increase - affordable air-launched hypersonic weapon		15,000	
66 COMBAT IDENTIFICATION	1,914	1,914	0
67 COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES	18,733	0	-18,733
Air Force requested transfer to line 67A		-18,733	
67A AIR FORCE ISR DIGITAL INFRASTRUCTURE	0	9,366	9,366
Air Force requested transfer from line 67		18,733	
Unjustified request		-9,367	
68 C2ISR TACTICAL DATA LINK	42,371	42,371	0
69 THREE DIMENSIONAL LONG-RANGE RADAR (3DELRR)	8,100	8,100	0
70 AIRBASE AIR DEFENSE SYSTEMS (ABADS)	17,273	17,273	0
71 JOINT SIMULATION ENVIRONMENT (JSE)	191,337	149,502	-41,835
Unjustified request		-41,835	
72 WAR RESERVE MATERIEL - AMMUNITION	5,226	5,226	0
73 COMMON DATA LINK EXECUTIVE AGENT (CDL EA)	33,349	33,349	0
74 MISSION PARTNER ENVIRONMENTS	22,028	22,028	0

R-1	Budget Request	Committee Recommendation	Change from Request
77 RAPID SUSTAINMENT MODERNIZATION (RSM)	37,044	79,044	42,000
Program increase - accelerating predictive maintenance system of record		8,000	
Program increase - agile manufacturing robot		9,000	
Program increase - rapid adaptive manufacturing for sustainment and affordable mass		10,000	
Program increase - CBM+ sensor based algorithm		15,000	
78 SPECIAL VICTIM ACCOUNTABILITY AND INVESTIGATION	3,006	3,006	0
79 INTEGRATED PRIMARY PREVENTION	5,364	5,364	0
80 CONTRACTING INFORMATION TECHNOLOGY SYSTEM	28,995	28,995	0
81 U.S. SPACE COMMAND RESEARCH AND DEVELOPMENT SUPPORT	28,392	28,392	0
82 FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS	7,205	13,205	6,000
Program increase - additively manufactured affordable mass missile		6,000	
83 PNT RESILIENCY, MODS, AND IMPROVEMENTS	217,662	214,900	-2,762
PNT SDUE FFRDC support unjustified growth		-2,762	
84 NUCLEAR WEAPONS SUPPORT	70,823	70,823	0
85 ELECTRONIC WARFARE DEVELOPMENT	19,264	28,264	9,000
Program increase - cognitive artificial intelligence for electronic warfare		7,000	
Program increase - AI/ML EWAR		2,000	
86 TACTICAL DATA NETWORKS ENTERPRISE	78,480	78,480	0
87 PHYSICAL SECURITY EQUIPMENT	10,569	10,569	0
88 HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROTOTYPING	39,079	39,079	0
89 ARMAMENT/ORDNANCE DEVELOPMENT	7,157	7,157	0
90 SUBMUNITIONS	3,427	3,427	0
91 AGILE COMBAT SUPPORT	24,178	23,635	-543
Program decrease - installation energy resilience		-543	
92 LIFE SUPPORT SYSTEMS	25,502	25,502	0
93 COMBAT TRAINING RANGES	224,783	209,138	-15,645
Excess growth - ARTS-V3		-15,645	
94 LONG RANGE STANDOFF WEAPON	623,491	623,491	0
95 ICBM FUZE MODERNIZATION	10,408	8,378	-2,030
Unjustified request		-2,030	

R-1	Budget Request	Committee Recommendation	Change from Request
98 OPEN ARCHITECTURE MANAGEMENT	41,223	41,223	0
100 ADVANCED PILOT TRAINING	83,985	83,985	0
102 GROUND BASED STRATEGIC DETERRENT EMD Insufficient justification	3,721,024	3,397,024 -324,000	-324,000
104 ISOLATED PERSONNEL SURVIVABILITY AND RECOVERY	10,020	10,020	0
105 STAND IN ATTACK WEAPON	375,528	375,528	0
106 FULL COMBAT MISSION TRAINING	7,754	7,754	0
111 THEATER NUCLEAR WEAPON STORAGE & SECURITY SYSTEM	9,018	9,018	0
113 KC-46A TANKER SQUADRONS	93,620	93,620	0
114 VC-25B Program delay	433,943	325,457 -108,486	-108,486
115 AUTOMATED TEST SYSTEMS	26,640	26,640	0
116 TRAINING DEVELOPMENTS	4,960	4,960	0
117 COMBAT SURVIVOR EVADER LOCATOR	2,269	2,269	0
118 THREAT SIMULATOR DEVELOPMENT	19,927	19,927	0
119 MAJOR T&E INVESTMENT	74,228	74,228	0
120 RAND PROJECT AIR FORCE	39,720	39,720	0
122 INITIAL OPERATIONAL TEST & EVALUATION	14,247	14,247	0
123 TEST AND EVALUATION SUPPORT Program increase - digital testing and evaluation data review software models	936,913	940,013 3,100	3,100
124 ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS	316,924	316,924	0
125 ACQ WORKFORCE- GLOBAL REACH	496,740	496,740	0
126 ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS	521,987	521,987	0
128 ACQ WORKFORCE- CAPABILITY INTEGRATION	262,349	262,349	0
129 ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY	69,319	69,319	0
130 ACQ WORKFORCE- NUCLEAR SYSTEMS	343,180	343,180	0
131 MANAGEMENT HQ - R&D	6,291	6,291	0

R-1	Budget Request	Committee Recommendation	Change from Request
132 FACILITIES RESTORATION AND MODERNIZATION - TEST AND EVALUATION SUPPORT	94,828	94,828	0
133 FACILITIES SUSTAINMENT - TEST AND EVALUATION SUPPORT	63,579	63,579	0
134 REQUIREMENTS ANALYSIS AND MATURATION	41,550	41,550	0
135 MANAGEMENT HQ - T&E	7,647	7,647	0
137 COMMAND, CONTROL, COMMUNICATION, AND COMPUTERS (C4) - STRATCOM	19,607	19,607	0
138 ENTERPRISE INFORMATION SERVICES (EIS)	104,133	104,133	0
139 ACQUISITION AND MANAGEMENT SUPPORT	25,216	25,216	0
141 ADVANCED DISTRIBUTED LEARNING	1,652	1,652	0
142 GENERAL SKILL TRAINING	10	10	0
143 INTERNATIONAL ACTIVITIES	4,590	4,590	0
144 SPECIALIZED UNDERGRADUATE FLIGHT TRAINING	39,667	39,667	0
145 TACTICAL DATA NETWORKS ENTERPRISE	22	22	0
146 BATTLE MGMT COM & CTRL SENSOR DEVELOPMENT Program delay	100,183	69,040 -31,143	-31,143
147 WIDE AREA SURVEILLANCE	21,443	21,443	0
150 F-35 C2D2	1,124,207	1,124,207	0
151 AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF- IPPS)	49,739	49,739	0
152 ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY	65,792	65,792	0
153 FOREIGN MATERIEL ACQUISITION AND EXPLOITATION	94,188	94,188	0
154 HH-60W	52,314	52,314	0
155 HC/MC-130 RECAP RDT&E	24,934	24,934	0
156 NC3 INTEGRATION	21,864	21,864	0
157 B-52 SQUADRONS Program increase - B-52 modernization and sustainment technologies development	1,045,570	1,075,070 29,500	29,500
158 AIR-LAUNCHED CRUISE MISSILE (ALCM)	542	542	0

R-1	Budget Request	Committee Recommendation	Change from Request
169 B-1B SQUADRONS Program increase - TENTaCLE BLOC kits for B-1B	17,939	27,939 10,000	10,000
160 B-2 SQUADRONS	41,212	41,212	0
161 MINUTEMAN SQUADRONS Stage 1 battery replacement schedule adjustment	62,550	57,950 -4,600	-4,600
162 WORLDWIDE JOINT STRATEGIC COMMUNICATIONS	13,690	13,690	0
163 SERVICE SUPPORT TO STRATCOM - GLOBAL STRIKE	7,330	7,330	0
165 ICBM REENTRY VEHICLES Reduce carryover	629,928	590,719 -39,209	-39,209
168 REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION PROGRAM Program increase - NORAD wind turbine radar interference mitigation pilot program	852	3,852 3,000	3,000
169 NORTH WARNING SYSTEM (NWS)	103	103	0
170 OVER-THE-HORIZON BACKSCATTER RADAR	383,575	383,575	0
171 VEHICLES AND SUPPORT EQUIPMENT - GENERAL Program increase - modernized aviation ordnance loader development	6,097	9,097 3,000	3,000
172 MQ-9 UAV	7,074	7,074	0
173 JOINT COUNTER RCIED ELECTRONIC WARFARE	3,372	3,372	0
176 F-16 SQUADRONS Program increase - data bus cybersecurity	106,952	111,952 5,000	5,000
177 F-16E SQUADRONS Program increase - electrical testing equipment	178,603	188,203 9,600	9,600
178 MANNED DESTRUCTIVE SUPPRESSION	16,182	16,182	0
179 F-22A SQUADRONS Early to need	768,561	761,382 -7,179	-7,179
180 F-35 SQUADRONS	47,132	47,132	0
181 F-15EX	56,228	56,228	0
182 TACTICAL AIM MISSILES	34,932	34,932	0
183 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE	53,593	53,593	0
184 COMBAT RESCUE - PARARESCUE	743	743	0
185 E-11A Program rephasing	64,127	54,797 -9,330	-9,330

R-1	Budget Request	Committee Recommendation	Change from Request
186 AF TENCAP	50,263	50,263	0
187 PRECISION ATTACK SYSTEMS PROCUREMENT	12,723	12,723	0
188 COMPASS CALL	132,475	132,475	0
189 AIRCRAFT ENGINE COMPONENT IMPROVEMENT Program decrease - compressor blade scanning	68,743	66,609 -2,134	-2,134
190 JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)	183,532	183,532	0
191 SMALL DIAMETER BOMB (SDB)	29,910	29,910	0
192 AIR & SPACE OPERATIONS CENTER (AOC)	71,442	71,442	0
193 CONTROL AND REPORTING CENTER (CRC)	18,473	18,473	0
195 AFSPECWAR - TACP	2,206	2,206	0
197 COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES Air Force requested transfer to 197A	46,702	37,257 -9,445	-9,445
197A AF JWICS ENTERPRISE Air Force requested transfer from 197	0	9,445 9,445	9,445
198 THEATER BATTLE MANAGEMENT (TBM) C4I	4,873	4,873	0
199 ELECTRONIC WARFARE INTEGRATED REPROGRAMMING (EWIR)	17,149	17,149	0
200 TACTICAL AIR CONTROL PARTY-MOD	12,171	12,171	0
201 DCAPEs	8,431	8,431	0
202 AIR FORCE CALIBRATION PROGRAMS	2,223	2,223	0
203 NATIONAL TECHNICAL NUCLEAR FORENSICS	2,060	2,060	0
204 SEEK EAGLE	34,985	34,985	0
207 DISTRIBUTED TRAINING AND EXERCISES	4,847	4,847	0
208 FULL COMBAT MISSION TRAINING	7,048	7,048	0
209 MISSION PLANNING SYSTEMS	92,566	92,566	0
210 TACTICAL DECEPTION	539	539	0
212 DISTRIBUTED CYBER WARFARE OPERATIONS	29,996	29,996	0
213 AF DEFENSIVE CYBERSPACE OPERATIONS IDCDS Development unjustified request	113,218	88,618 -24,600	-24,600
219 INTEL DATA APPLICATIONS	988	988	0

R-1	Budget Request	Committee Recommendation	Change from Request
220 GEOBASE	1,002	1,002	0
222 CYBER SECURITY INTELLIGENCE SUPPORT	18,141	18,141	0
228 COUNTERING ADVANCED CONVENTIONAL WEAPONS	1,668	1,668	0
230 AF MULTI-DOMAIN NON-TRADITIONAL ISR BATTLESPACE AWARENESS	3,436	18,436	15,000
Program increase - PAACC-M		15,000	
231 E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC)	40,441	57,441	17,000
Program increase - support equipment		17,000	
232 NON-KINETIC COUNTERMEASURE SUPPORT	15,180	15,180	0
233 EIT CONNECT	32,960	32,960	0
234 CYBERSPACE OPERATIONS SYSTEMS	9,776	9,776	0
235 MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS	25,500	25,500	0
236 HIGH FREQUENCY RADIO SYSTEMS	8,667	8,667	0
237 INFORMATION SYSTEMS SECURITY PROGRAM	94,424	94,424	0
238 ALL DOMAIN COMMON PLATFORM	82,927	82,927	0
239 JOINT MILITARY DECEPTION INITIATIVE	7,324	7,324	0
240 STRATEGIC MISSION PLANNING & EXECUTION SYSTEM (SMPES)	69,441	69,441	0
243 AIRBORNE SIGINT ENTERPRISE	85,284	97,284	12,000
Program increase - special programs		8,000	
Program increase - critical airborne SIGINT enterprise		4,000	
244 COMMERCIAL ECONOMIC ANALYSIS	4,719	4,719	0
247 C2 AIR OPERATIONS SUITE - C2 INFO SERVICES	13,524	13,524	0
248 CCMD INTELLIGENCE INFORMATION TECHNOLOGY	1,836	1,836	0
249 ISR MODERNIZATION & AUTOMATION DVMT (IMAD)	22,909	22,909	0
250 GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	5,151	5,151	0
251 CYBER SECURITY INITIATIVE	304	304	0
252 WEATHER SERVICE	31,372	29,782	-1,590
Program decrease - WARPspeed		-1,030	
Program decrease - ExMet		-560	

R-1	Budget Request	Committee Recommendation	Change from Request
253 AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCALS)	15,143	15,143	0
254 AERIAL TARGETS	7,685	12,685	5,000
Program increase - supersonic UAV development supporting NGAT		5,000	
257 SECURITY AND INVESTIGATIVE ACTIVITIES	481	481	0
258 DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	6,387	6,387	0
259 TACTICAL TERMINAL	1,002	1,002	0
260 INTEGRATED BROADCAST SERVICE (IBS)	16,006	16,006	0
262 AIRBORNE RECONNAISSANCE SYSTEMS	84,363	106,663	22,300
Program increase - persistent wide-area moving target engagement		22,300	
263 MANNED RECONNAISSANCE SYSTEMS	16,323	16,323	0
264 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	86,476	86,476	0
265 RQ-4 UAV	9,516	9,516	0
266 NETWORK-CENTRIC COLLABORATIVE TARGETING	8,952	8,952	0
267 NATO AGS	865	865	0
268 SUPPORT TO DCGS ENTERPRISE	30,932	30,932	0
269 INTERNATIONAL INTELLIGENCE TECHNOLOGY AND	18,670	18,670	0
271 PERSONNEL RECOVERY COMMAND & CTRL (PRC2)	2,831	2,831	0
272 INTELLIGENCE MISSION DATA (IMD)	3,658	3,658	0
274 C-5 AIRLIFT SQUADRONS (IF)	33,003	33,003	0
275 C-17 AIRCRAFT (IF)	17,395	17,395	0
278 C-130J PROGRAM	34,423	39,423	5,000
Program increase - Air National Guard C-130J enhanced flight vision system		5,000	
277 LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM)	7,768	7,768	0
278 KC-135S	31,977	5,799	-26,178
Program decrease		-19,100	
Schedule delay		-7,078	
279 CV-22	26,249	26,249	0
280 SPECIAL TACTICS / COMBAT CONTROL	9,421	9,421	0
282 LOGISTICS INFORMATION TECHNOLOGY (LOGIT)	11,895	11,895	0
	9,421		

R-1	Budget Request	Committee Recommendation	Change from Request
283 AF LVC OPERATIONAL TRAINING (LVC-OT)	29,815	29,815	0
284 OTHER FLIGHT TRAINING	2,319	2,319	0
285 JOINT PERSONNEL RECOVERY AGENCY	2,320	2,320	0
286 CIVILIAN COMPENSATION PROGRAM	4,267	4,267	0
287 PERSONNEL ADMINISTRATION	3,163	3,163	0
288 AIR FORCE STUDIES AND ANALYSIS AGENCY	18,937	18,937	0
289 DEVELOPMENT	5,634	5,634	0
290 DEFENSE ENTERPRISE ACNTNG AND MGT SYS (DEAMS)	57,689	57,689	0
999 CLASSIFIED PROGRAMS	18,038,552	17,885,019	-153,533
Classified adjustment		-153,533	
TOTAL, RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE	49,108,771	48,648,586	-460,185

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1	Budget Request	Committee Recommended	Change from Request
1 DEFENSE RESEARCH SCIENCES	21,349	21,349	0
2 UNIVERSITY RESEARCH INITIATIVES	14,731	14,731	0
4 SPACE TECHNOLOGY	244,964	241,194	-3,770
Civilian workforce overestimation		-14,770	
Program increase - cislunar space domain awareness		5,000	
Program increase - large-area space-based solar power arrays		3,000	
Program increase - isotope power systems		3,000	
5 SPACE SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT	425,166	487,666	62,500
Program increase - defense in depth as mission assurance spacecraft - multilevel security		20,000	
Program increase - transport layer software architecture		15,000	
Program increase - VHF payload satellite demonstration		22,500	
Program increase - L-band phased array demonstration		5,000	
6 SPACE ADVANCED TECHNOLOGY DEVELOPMENT/DEMO	138,270	138,270	0
7 SPACE FORCE WEATHER SERVICES RESEARCH	867	867	0
8 SPACE FORCE IT, DATA ANALYTICS, DIGITAL SOLUTIONS	88,610	84,610	-4,000
Underexecution - developmental IT infrastructure		-4,000	
9 NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE)	300,025	300,025	0
10 SPACE WARFIGHTING ANALYSIS	121,409	110,859	-10,550
Reduce growth		-10,550	
11 EO/IR WEATHER SYSTEMS	76,391	76,391	0
12 SPACE ACCESS, MOBILITY & LOGISTICS (SAML)	20,000	25,000	5,000
Program increase - space access mobility & logistics		5,000	
13 SPACE TECHNOLOGY DEVELOPMENT AND PROTOTYPING	1,701,685	1,701,685	0
15 SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT)	133,739	115,739	-18,000
Underexecution		-18,000	
16 SPACE CONTROL TECHNOLOGY	62,195	62,195	0
17 TECH TRANSITION (SPACE)	228,547	231,047	2,500
Program increase - microwave power modules		2,500	
18 SPACE SECURITY AND DEFENSE PROGRAM	53,199	53,199	0

R-1	Budget Request	Committee Recommended	Change from Request
19 PROTECTED TACTICAL ENTERPRISE SERVICE (PTES)	79,709	79,709	0
20 PROTECTED TACTICAL SERVICE (PTS)	596,996	514,996	-82,000
Space Force requested realignment to line 71		-55,000	
Space Force requested realignment to OM,SF SAG 13W		-15,000	
PTS-R EMD phase schedule delays		-15,000	
Program increase - cloud-based beamforming		3,000	
21 EVOLVED STRATEGIC SATCOM (ESS)	1,046,161	1,001,881	-44,280
ESS C2 terminal acquisition early to need		-37,580	
ECO/Risk excess to need		-6,700	
22 SPACE RAPID CAPABILITIES OFFICE	11,361	122,645	111,284
DAF requested transfer from line 75		111,284	
23 TACTICALLY RESPONSIVE SPACE	30,052	40,052	10,000
Program increase - tactically responsive space		10,000	
24 GPS III FOLLOW-ON (GPS IIIF)	244,752	234,657	-10,095
Underexecution		-10,095	
26 COUNTERSPACE SYSTEMS	37,078	37,078	0
27 WEATHER SYSTEM FOLLOW-ON	49,207	49,207	0
28 SPACE SITUATION AWARENESS SYSTEMS	483,605	473,605	-10,000
DARC Site 3 contract delays		-10,000	
29 ADVANCED EHF MILSATCOM (SPACE)	1,020	1,020	0
32 NEXT-GEN OPIR -- GROUND	558,013	558,013	0
33 NEXT GENERATION OPIR	202,951	192,951	-10,000
Underexecution		-10,000	
34 NEXT-GEN OPIR -- GEO	510,806	510,806	0
35 NEXT-GEN OPIR -- POLAR	828,878	809,478	-19,400
Management services excess to need		-19,400	
36 COMMERCIAL SATCOM (COMSATCOM) INTEGRATION	134,487	134,487	0
xx COMMERCIAL SERVICES	0	10,000	10,000
Program increase - Tactical SRT to support combatant commands		10,000	
37 RESILIENT MISSILE WARNING MISSILE TRACKING - LOW EARTH ORBIT (LEO)	1,730,821	1,676,451	-54,370
Ground management and integration contract overestimation		-21,370	
Management reserve reduction		-33,000	

R-1	Budget Request	Committee Recommended	Change from Request
38 RESILIENT MISSILE WARNING MISSILE TRACKING - MEDIUM EARTH ORBIT (MEO)	846,349	750,449	-95,900
MEO vendor termination		-75,200	
Epoch 2 ops and integration early to need		-10,000	
Management services excess to need		-10,700	
40 NATIONAL SECURITY SPACE LAUNCH PROGRAM (SPACE) - EMD	23,392	23,392	0
46 ACQ WORKFORCE - SPACE & MISSILE SYSTEMS	274,424	240,708	-33,716
Projected underexecution		-33,716	
47 SPACE & MISSILE SYSTEMS CENTER - MHA	12,867	12,867	0
49 MAJOR T&E INVESTMENT - SPACE	229,665	216,415	-13,250
NSTTC-Orbital development delays		-13,250	
50 ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	20,134	20,134	0
52 SPACE TEST PROGRAM (STP)	30,279	30,279	0
55 FAMILY OF ADVANCED BLOS TERMINALS (FAB-T)	2,607	2,607	0
56 DCO-SPACE	104,088	104,088	0
57 NARROWBAND SATELLITE COMMUNICATIONS	228,435	214,685	-13,750
Inadequate justification - management services		-9,450	
ECO/Risk excess to need		-4,300	
58 SATELLITE CONTROL NETWORK (SPACE)	98,572	97,572	-1,000
Underexecution		-5,000	
Program increase - design and development for SCN to GovCloud		4,000	
59 LONG RANGE KILL CHAINS	244,121	244,121	0
61 SPACE AND MISSILE TEST AND EVALUATION CENTER	20,844	20,844	0
62 SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT	48,900	53,900	5,000
Program increase - threat visualization and simulation training		5,000	
63 SPACELIFT RANGE SYSTEM (SPACE)	55,906	55,906	0
65 SPACE SUPERIORITY ISR	28,227	28,227	0
67 BALLISTIC MISSILE DEFENSE RADARS	12,024	12,024	0
68 NCMC - TW/AA SYSTEM	25,656	25,656	0
69 NUDET DETECTION SYSTEM (SPACE)	83,426	83,426	0
70 SPACE SITUATION AWARENESS OPERATIONS	120,160	109,460	-10,700
Underexecution		-15,700	
Program increase - commercial collaborative sensor network		5,000	

R-1	Budget Request	Committee Recommended	Change from Request
71 GLOBAL POSITIONING SYSTEM III - OPERATIONAL CONTROL SEGMENT Space Force requested realignment from line 20	217,224	272,224 55,000	55,000
75 ENTERPRISE GROUND SERVICES DAF requested transfer to line 22	111,284	0 -111,284	-111,284
76 JOINT TACTICAL GROUND SYSTEM	6,937	6,937	0
999 CLASSIFIED PROGRAMS Classified adjustment	5,520,323	5,384,420 -135,903	-135,903
77 SPACE DOMAIN AWARENESS/PLANNING/TASKING SW	157,265	157,265	0
TOTAL, RESEARCH, DEVELOPMENT, TEST AND EVALUATION, SPACE FORCE	18,700,153	18,279,469	-420,684

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1	Budget Request	Committee Recommended	Change from Request
1 DTRA BASIC RESEARCH	15,311	15,311	0
2 DEFENSE RESEARCH SCIENCES	303,830	303,830	0
3 HIGH ENERGY LASER RESEARCH INITIATIVES	16,518	16,518	0
4 BASIC RESEARCH INITIATIVES	77,132	92,132	15,000
Program increase - Hispanic serving research cohort		15,000	
5 BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE	99,048	89,143	-9,905
Program decrease - execution adjustment		-9,905	
6 NATIONAL DEFENSE EDUCATION PROGRAM	169,986	179,986	10,000
Program increase - Women in STEAM fellowship		10,000	
7 HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MINORITY INSTITUTIONS	99,792	99,792	0
8 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	37,812	37,812	0
9 JOINT MUNITIONS TECHNOLOGY	19,373	19,373	0
10 BIOMEDICAL TECHNOLOGY	169,198	162,601	-6,597
Program decrease - execution adjustment		-6,597	
11 PROMOTION AND PROTECTION STRATEGIES	3,191	3,191	0
12 DEFENSE TECHNOLOGY INNOVATION	38,515	38,515	0
13 LINCOLN LABORATORY RESEARCH PROGRAM	47,528	47,528	0
14 APPLIED RESEARCH FOR THE ADVANCEMENT OF S&T PRIORITIES	51,555	51,555	0
15 INFORMATION & COMMUNICATIONS TECHNOLOGY	397,266	533,188	135,922
Program increase - underexplored systems for utility- scale quantum computing (US2QC)		10,000	
DARPA requested transfer from line 61 - US2QC		90,000	
Transfer from line 46 - US2QC		45,000	
Program decrease - execution adjustment		-9,078	
17 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	224,777	224,777	0
18 CYBER SECURITY RESEARCH	17,652	20,652	3,000
Program increase - semiconductor supply chain cyber security research		3,000	
20 SOCIAL SCIENCES FOR ENVIRONMENTAL SECURITY	5,456	4,910	-546
Program decrease - excess growth		-546	
21 TACTICAL TECHNOLOGY	117,935	117,935	0

R-1	Budget Request	Committee Recommended	Change from Request
22 MATERIALS AND BIOLOGICAL TECHNOLOGY	337,772	337,772	0
23 ELECTRONICS TECHNOLOGY Program decrease - execution adjustment	573,265	567,722 -5,543	-5,543
24 COUNTER WEAPONS OF MASS DESTRUCTION APPLIED RESEARCH	174,955	174,955	0
25 SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RESEARCH	11,310	11,310	0
26 HIGH ENERGY LASER RESEARCH	48,640	48,640	0
27 FSRM MODELLING	1,897	1,897	0
28 SOF TECHNOLOGY DEVELOPMENT Program increase - assessment of commercial systems Program increase - resilient waveforms for SOCOM tactical communication radios	50,183	59,843 3,110 6,550	9,660
29 JOINT MUNITIONS ADVANCED TECHNOLOGY	41,072	41,072	0
30 NATIONAL SECURITY INNOVATION CAPITAL Program increase - enhanced LiDAR payload and satellite bus development	14,983	19,983 5,000	5,000
31 SO/LIC ADVANCED DEVELOPMENT	5,176	5,176	0
32 COMBATING TERRORISM TECHNOLOGY SUPPORT Program increase - anti-tunneling Program increase - C-UAS development including directed energy and laser technology	76,639	211,639 80,000 55,000	135,000
33 FOREIGN COMPARATIVE TESTING Program decrease - unjustified growth	30,007	27,907 -2,100	-2,100
34 MISSION ENGINEERING & INTEGRATION (ME&I)	110,628	110,628	0
35 COUNTER WEAPONS OF MASS DESTRUCTION ADVANCED TECHNOLOGY DEVELOPMENT Program increase - baseline artificial intelligence of indications and warnings from a cellular kit	418,044	423,294 5,250	5,250
37 ADVANCED CONCEPTS AND PERFORMANCE Program increase - hypersonic HWIL digital acquisition	17,920	27,920 10,000	10,000
38 ADVANCED RESEARCH	19,354	19,354	0
39 JOINT HYPERSONIC TECHNOLOGY DEVELOPMENT & TRANSITION Program increase - integration of UCAH payloads into commercial recoverable MACH-TB test platform	51,941	61,941 10,000	10,000
40 JOINT DOD-DOE MUNITIONS TECHNOLOGY	19,826	19,826	0

R-1		Budget Request	Committee Recommended	Change from Request
42	ADVANCED AEROSPACE SYSTEMS Program decrease - execution adjustment	269,700	252,018 -17,682	-17,682
43	SPACE PROGRAMS AND TECHNOLOGY Program decrease - excess growth Program decrease - unclear transition plan	225,457	173,212 -15,782 -36,463	-52,245
44	ANALYTIC ASSESSMENTS Program increase - strategic multilayer assessment Program decrease - excess cost growth	30,594	35,898 8,000 -2,697	5,304
45	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS	56,390	56,390	0
46	QUANTUM APPLICATION Transfer to line 15	69,290	24,290 -45,000	-45,000
47	DEFENSE INNOVATION UNIT (DIU) Program increase - innovation with academia Program increase - onramp hub geographic expansion	109,614	129,614 15,000 5,000	20,000
48	TECHNOLOGY INNOVATION Program decrease - unclear execution plans	74,549	50,232 -24,317	-24,317
49	ADVANCED TECHNICAL INTEGRATION Program decrease - unjustified growth	26,053	20,032 -6,021	-6,021
50	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - ADVANCED DEVELOPMENT	230,051	230,051	0
52	JOINT ELECTRONIC ADVANCED TECHNOLOGY Program increase - 5th gen advanced training waveform software defined radio Program decrease - excess cost for studies	20,188	28,388 10,000 -1,800	8,200
53	NETWORKED COMMUNICATIONS CAPABILITIES	5,234	5,234	0
55	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM Program increase - advanced robotics and automation training Program increase - bioindustrial manufacturing education and workforce training Program increase - manufacturing education and workforce development Program increase - nanostructured iron nitride permanent magnets Program increase - vanadium production and processing	190,557	235,557 10,000 10,000 5,000 12,000 8,000	45,000
56	MANUFACTURING TECHNOLOGY PROGRAM Program increase - accelerated part-to-part AI & algorithm matching Program increase - domestic rare earth elements feasibility study Program increase - isothermal redox facility Program increase - low cost domestic graphite	55,366	86,716 8,350 5,000 10,000 8,000	31,350

R-1		Budget Request	Committee Recommended	Change from Request
57	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS Program decrease - unjustified growth	18,543	17,616 -927	-927
58	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM	58,838	58,838	0
59	MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUPPORT Program increase - equipment modernization for DMEA Program increase - MIL-PRF-19500 qualified domestic military specification semiconductor parts	137,246	152,246 10,000 5,000	15,000
60	JOINT WARFIGHTING PROGRAM	2,684	2,684	0
61	ADVANCED ELECTRONICS TECHNOLOGIES DARPA requested transfer to line 15	257,844	167,844 -90,000	-90,000
62	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS Program increase - BRIDGES	336,542	346,542 10,000	10,000
63	NETWORK-CENTRIC WARFARE TECHNOLOGY	886,511	886,511	0
64	SENSOR TECHNOLOGY	267,961	267,961	0
66	SOFTWARE ENGINEERING INSTITUTE	16,982	16,982	0
67	DEFENSE INNOVATION ACCELERATION (DIA) Program increase - autonomous hybrid VTOL for contested logistics	165,798	173,798 8,000	8,000
68	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM	110,367	110,367	0
69	TEST & EVALUATION SCIENCE & TECHNOLOGY Program increase - autonomy development and testing pipeline Program increase - high altitude LiDAR atmospheric sensing Program increase - mach-8 quiet wind tunnel Program increase - MACH-TB integration of non- traditional suppliers into test program	268,722	312,722 5,000 24,000 5,000 10,000	44,000
70	INTERNATIONAL INNOVATION INITIATIVES Transfer to line 294A	125,680	85,680 -40,000	-40,000
71	NATIONAL SECURITY INNOVATION NETWORK	21,322	21,322	0
72	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT Program increase - microreactor optimized tristructural- isotrophic fuel Program decrease - execution adjustment	167,279	165,569 10,000 -11,710	-1,710

R-1	Budget Request	Committee Recommended	Change from Request
74 SOF ADVANCED TECHNOLOGY DEVELOPMENT	197,767	169,117	-28,650
Program increase - automated crew and workload reduction systems on fixed-wing aircraft		12,500	
Program increase - identity management		15,000	
Program decrease - RDER		-9,000	
Program decrease - HSVTOL		-47,150	
75 NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E ADC&P	63,162	63,162	0
76 WALKOFF	149,704	149,704	0
77 ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	136,513	147,196	10,683
Program increase - environmental research-to-demonstration partnership centers		25,000	
Program decrease - execution adjustment		-14,317	
78 BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	367,279	307,054	-60,225
Unjustified request		-59,000	
Excess growth - program support		-1,225	
79 BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT	768,227	751,963	-16,264
Unjustified growth		-16,264	
80 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - DEM/VAL	304,374	298,287	-6,087
Program decrease - excess growth		-6,087	
81 BALLISTIC MISSILE DEFENSE SENSORS	209,002	209,002	0
82 BMD ENABLING PROGRAMS	609,406	609,406	0
83 SPECIAL PROGRAMS - MDA	495,570	495,570	0
84 AEGIS BMD	649,255	659,255	10,000
Program increase - SM-3 advanced capability DACS demonstration		10,000	
85 BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT AND COMMUNICATION	569,662	583,162	13,500
Program increase - MDA unfunded priority for infrastructure modernization initiative		13,500	
86 BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT	47,723	47,723	0
87 MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC)	54,525	54,525	0
88 REGARDING TRENCH	27,900	27,900	0

R-1	Budget Request	Committee Recommended	Change from Request
89 SEA BASED X-BAND RADAR (SBX)	197,339	197,339	0
90 ISRAELI COOPERATIVE PROGRAMS	300,000	300,000	0
91 BALLISTIC MISSILE DEFENSE TEST	367,491	357,167	-10,324
Program decrease - previously funded		-5,584	
Program decrease - insufficient justification		-4,740	
92 BALLISTIC MISSILE DEFENSE TARGETS	604,708	613,451	8,743
Program decrease - unjustified growth		-1,257	
Program increase - advanced reactive target simulation		10,000	
93 COALITION WARFARE	9,890	9,890	0
94 NEXT GENERATION INFORMATION COMMUNICATIONS TECHNOLOGY (5G)	139,427	125,827	-13,600
Program increase - Marine Corps 5G testing for expeditionary operations		5,000	
Program increase - Navy flightline 5G network expansion		10,000	
OSD requested transfer to line 94A		-1,500	
OSD requested transfer to line 211		-7,600	
OSD requested transfer to OM,DW		-8,500	
OSD requested transfer to P,DW line 16		-11,000	
94A 5G CROSS FUNCTIONAL TEAM	0	1,500	1,500
OSD requested transfer from line 94		1,500	
95 DEPARTMENT OF DEFENSE CORROSION PROGRAM	2,637	2,637	0
96 GUAM DEFENSE DEVELOPMENT	415,794	415,794	0
97 TECHNOLOGY MATURATION INITIATIVES	0	15,000	15,000
Program increase - high power electronic defense prototype		5,000	
Program increase - short pulse laser directed energy demonstration for hypersonic defense		10,000	
99 ADVANCED MANUFACTURING COMPONENTS AND PROTOTYPES	16,776	16,776	0
100 HYPERSONIC DEFENSE	182,283	182,283	0
101 ADVANCED INNOVATIVE TECHNOLOGIES	994,226	1,173,426	179,200
Program increase - hypersonic readiness assessment vehicle		25,000	
Program increase - installation microreactor power backup		10,000	
Program increase - project Pele mobile microreactor		36,200	
Program increase - sensors for autonomous unmanned surface vehicles		8,000	
Classified adjustment		100,000	

R-1	Budget Request	Committee Recommended	Change from Request
102 TRUSTED & ASSURED MICROELECTRONICS	593,609	676,609	83,000
Program increase - microelectronics national security workforce development (SCALE)		8,000	
Program increase - next generation silicon carbide (SiC) technology development		10,000	
Program increase - on-chip physical security		10,000	
Program increase - optical/CMOS co-packaged devices		30,000	
Program increase - radiation hardened fully-depleted silicon on insulator microelectronics		10,000	
Program increase - vertically integrated design and packaging		15,000	
103 RAPID PROTOTYPING PROGRAM	152,126	319,326	167,200
Program increase - agile aviation flight demo CUAS drone interceptors at tactical edge		10,000	
Program increase - autonomous unmanned surface vehicles for loitering and targeting in maritime maneuver operations		7,500	
Program increase - group 3 ultra-long endurance UAS technology transition		10,000	
Program increase - joint fires network		122,700	
Program increase - phase 2 undersea kinetic multi-payload capable USV		5,000	
Program increase - solar-powered, long endurance UAS		12,000	
104 RAPID PROTOTYPING PROGRAM	7,710	7,710	0
105 DEFENSE INNOVATION UNIT (DIU) PROTOTYPING	0	10,000	10,000
Program increase - endpoint accuracy		5,000	
Program increase - tactical augmented reality		5,000	
106 DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMMON DEVELOPMENT	2,527	2,527	0
107 CATAPULT INFORMATION SYSTEM	7,475	7,475	0
108 OPERATIONAL ENERGY CAPABILITY IMPROVEMENT - NON S&T	53,705	49,466	-4,239
Program increase - interoperable field ready hybrid power systems		5,000	
Program decrease - execution adjustment		-3,867	
Transfer to line 294A		-5,373	
110 WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA)	3,559	1,559	-2,000
Program decrease - duplicate request		-2,000	
111 DEFENSE RAPID INNOVATION PROGRAM	10,020	10,020	0
112 RAPID DEFENSE EXPERIMENTATION RESERVE	53,149	53,149	0
113 MULTI-DOMAIN JOINT OPERATIONS (MDJO)	11,383	11,383	0
114 JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY ASSESSMENTS	29,706	29,706	0

R-1	Budget Request	Committee Recommended	Change from Request
115 LONG RANGE DISCRIMINATION RADAR (LRDR) Unjustified growth	100,882	98,183 -2,699	-2,699
116 IMPROVED HOMELAND DEFENSE INTERCEPTORS Excess support costs	1,697,121	1,692,869 -4,252	-4,252
117 BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST	25,673	25,673	0
118 AEGIS BMD TEST	135,019	135,019	0
119 BALLISTIC MISSILE DEFENSE SENSOR TEST	96,864	96,864	0
120 LAND-BASED SM-3 (LBSM3)	22,220	22,220	0
121 BALLISTIC MISSILE DEFENSE MIDCOURSE SEGMENT TEST	40,006	40,006	0
122 HIGH ENERGY LASER ADVANCED COMPONENT DEVELOPMENT & PROTOTYPE	2,931	2,931	0
123 SAFETY PROGRAM MANAGEMENT	1,771	1,771	0
124 CYBERCOM ACTIVITIES	35,700	35,700	0
126 CYBER TRAINING ENVIRONMENT (CTE)	158,345	158,345	0
127 ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS	2,162	2,162	0
128 CYBER SECURITY INITIATIVE	1,831	1,831	0
129 INTELLIGENCE CAPABILITIES AND INNOVATION INVESTMENTS	51,784	51,784	0
131 CYBERSPACE OPERATIONS TECHNOLOGY SUPPORT	52,715	52,715	0
132 OFFICE OF STRATEGIC CAPITAL (OSC) Program increase - defense ventures fellowship Excess growth - critical technologies limited partner program Transfer to Department of Defense Credit Program Account, Title VIII	132,640	36,870 2,000 -8,721 -89,049	-95,770
133 BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS	119,561	119,561	0
134 CHIEF DIGITAL AND ARTIFICIAL INTELLIGENCE OFFICER (CDAO) - DEM/VAL ACTIVITIES Program increase - data pre-processing to scale use of DOD data for large language models Program increase - warfighter AI data accessibility and analysis program	371,833	378,633 3,000 3,800	6,800
135 ALPHA-1 DEVELOPMENT ACTIVITIES Program increase - data labeling with quality control & trust score auditability	53,307	63,307 10,000	10,000

R-1	Budget Request	Committee Recommended	Change from Request
136 NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E SDD	13,549	13,549	0
137 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - EMD	270,265	270,265	0
138 JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS) Program decrease - excess program growth	12,893	10,959 -1,934	-1,934
139 COUNTER WEAPONS OF MASS DESTRUCTION SYSTEMS DEVELOPMENT	14,841	14,841	0
140 INFORMATION TECHNOLOGY DEVELOPMENT	4,709	4,709	0
141 HOMELAND PERSONNEL SECURITY INITIATIVE	9,526	9,526	0
142 DEFENSE EXPORTABILITY PROGRAM	15,779	15,779	0
143 OUSD(C) IT DEVELOPMENT INITIATIVES	7,564	7,564	0
144 DEFENSE AGENCY INITIATIVES (DAI) - FINANCIAL SYSTEM	31,916	31,916	0
145 MISSION ASSURANCE RISK MANAGEMENT SYSTEM (MARMS)	9,440	9,440	0
146 DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES	9,485	9,485	0
147 TRUSTED & ASSURED MICROELECTRONICS	150,436	150,436	0
148 ACQUISITION INTEGRATION AND INTEROPERABILITY (AI2) Transfer from line 188	12,804	15,618 2,814	2,814
149 RADIOLOGICAL AND NUCLEAR DEFENSE MODERNIZATION SYSTEM DEVELOPMENT AND DEMONSTRATION	3,575	3,575	0
150 NUCLEAR COMMAND, CONTROL, & COMMUNICATIONS	3,849	3,849	0
151 DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEIM)	7,152	7,152	0
152 COUNTERPROLIFERATION ADVANCED DEVELOPMENT	13,151	13,151	0
154 JOINT CAPABILITY EXPERIMENTATION	12,385	12,385	0
155 JADC2 DEVELOPMENT AND EXPERIMENTATION ACTIVITIES Program increase - AI & CJADC2 mission applications	222,945	252,945 30,000	30,000

R-1	Budget Request	Committee Recommended	Change from Request
156 DEFENSE READINESS REPORTING SYSTEM (DRRS)	11,415	11,415	0
157 JOINT SYSTEMS ARCHITECTURE DEVELOPMENT Program decrease - excess growth	9,690	8,742 -948	-948
158 CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIP) Program increase - advanced training range Program increase - hypersonic test facility Program increase - simulation of hypersonic test facility Program decrease - execution risk	782,643	888,343 15,100 100,000 8,100 -17,500	105,700
159 ASSESSMENTS AND EVALUATIONS	1,503	1,503	0
160 ASSESSMENTS AND EVALUATIONS, DOD	4,253	4,253	0
161 MISSION SUPPORT	113,007	113,007	0
162 JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC) Program decrease - execution risk	209,008	194,377 -14,631	-14,631
163 JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JIAMDO) Program decrease - execution adjustment	72,005	65,823 -6,182	-6,182
164 CLASSIFIED PROGRAM USD(P) Program increase - classified adjustment	0	180,906 180,906	180,906
165 SYSTEMS ENGINEERING	24,669	24,669	0
166 STUDIES AND ANALYSIS SUPPORT - OSD	6,289	6,289	0
167 NUCLEAR MATTERS-PHYSICAL SECURITY Program increase - nuclear enterprise supply chain management Program decrease - excess growth	19,871	22,710 5,000 -2,161	2,839
168 SUPPORT TO NETWORKS AND INFORMATION INTEGRATION	8,580	8,580	0
169 GENERAL SUPPORT TO OUSD (INTELLIGENCE AND SECURITY)	3,155	3,155	0
170 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM Program decrease - excess growth	79,263	77,678 -1,585	-1,585
177 CRITICAL TECHNOLOGY ANALYSIS	11,422	11,422	0
178 SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER Program decrease - excess growth	5,346	4,023 -1,323	-1,323
179 MAINTAINING TECHNOLOGY ADVANTAGE	31,629	31,629	0
180 DEFENSE TECHNOLOGY ANALYSIS	45,370	45,370	0

R-1	Budget Request	Committee Recommended	Change from Request
181 DEFENSE TECHNICAL INFORMATION CENTER (DTIC) Program increase - AI/ML capability integration	66,247	71,247 5,000	5,000
182 R&D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVALUATION	26,935	26,935	0
183 DEVELOPMENT TEST AND EVALUATION	37,233	37,233	0
184 MANAGEMENT HQ - R&D	14,577	14,577	0
185 MANAGEMENT HQ - DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	3,505	3,505	0
186 SPECIAL ACTIVITIES	18,263	18,263	0
187 BUDGET AND PROGRAM ASSESSMENTS	14,272	14,272	0
188 ANALYSIS WORKING GROUP (AWG) SUPPORT Transfer to line 148	2,814	0 -2,814	-2,814
189 CHIEF DIGITAL AND ARTIFICIAL INTELLIGENCE OFFICER (CDAO) ACTIVITIES Program increase - cyber defense innovation, research, and workforce Program increase - file rights management Program increase - secure document generation pilot program	9,262	37,262 11,000 5,000 12,000	28,000
190 ODNA TECHNOLOGY AND RESOURCE ANALYSIS	3,403	3,403	0
191 DEFENSE SCIENCE BOARD Program decrease - excess growth	6,536	5,154 -1,382	-1,382
192 AVIATION SAFETY TECHNOLOGIES	1,885	1,885	0
193 CYBER RESILIENCY AND CYBERSECURITY POLICY	40,401	40,401	0
194 DEFENSE CIVILIAN TRAINING CORPS	27,054	27,054	0
195 JOINT PRODUCTION ACCELERATOR CELL (JPAC) Program decrease - unjustified request	5,010	2,000 -3,010	-3,010
196 MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	12,115	12,115	0
197 DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI)	3,151	3,151	0
198 JOINT STAFF ANALYTICAL SUPPORT	7,433	7,433	0
199 C4I INTEROPERABILITY	65,144	65,144	0
202 COMBINED ADVANCED APPLICATIONS	23,311	23,311	0
204 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	2,988	2,988	0

R-1	Budget Request	Committee Recommended	Change from Request
205 JOINT STAFF OFFICE OF THE CHIEF DATA OFFICER (OCDO) ACTIVITIES	12,700	12,700	0
206 COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION (CE2T2) - NON-MHA	166,021	166,021	0
207 DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE (DEOMI)	315	315	0
208 INTEGRATED PRIMARY PREVENTION	5,096	5,096	0
209 MANAGEMENT HQ - MDA	29,033	29,033	0
210 JOINT SERVICE PROVIDER (JSP)	2,244	2,244	0
211 NEXT GENERATION INFORMATION COMMUNICATIONS TECHNOLOGY (5G) Program decrease - execution risk OSD requested transfer from line 94	12,424	17,539 -2,485 7,600	5,115
213 CHEMICAL AND BIOLOGICAL WEAPONS ELIMINATION TECHNOLOGY IMPROVEMENT Program increase - high-pressure waterjet cut and capture system to demilitarize underwater munitions	4,254	11,754 7,500	7,500
214 INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT Program increase - advanced optics manufacturing Program increase - domestic extrusion of beryllium and beryllium-copper products Program increase - expansion of radar and avionics repair and sustainment facilities Program increase - hypersonics rocket motor cost reduction initiative Program increase - industrial base expansion & robustness for next-generation aerostructures Program increase - multi-domain electronic warfare demonstration Program increase - pilot mask fit advancement Program increase - scaled manufacturing of lightweight polymer cased ammunition Program increase - securing rare earth separation from foreign influence Program increase - spheroidizing steel for armor applications Program increase - thermal batteries Program increase - tungsten penetrator manufacturing Program increase - utilizing partnerships for learning and innovation of future talent (UPLIFT) Program decrease - excess growth	1,099,243	1,148,620 10,000 10,000 6,000 20,000 25,000 10,000 10,000 10,000 5,000 20,000 4,800 8,700 22,000 -112,123	49,377
215 COUNTERPROLIFERATION MODERNIZATION	11,309	11,309	0
216 GLOBAL THEATER SECURITY COOPERATION MANAGEMENT INFORMATION SYSTEMS (G-TSCMIS)	8,654	8,654	0

R-1	Budget Request	Committee Recommended	Change from Request
217 CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT) Program decrease - excess growth	84,098	79,893 -4,205	-4,205
218 RADIOLOGICAL AND NUCLEAR DEFENSE MODERNIZATION OPERATIONAL SYSTEM DEVELOPMENT	1,668	1,668	0
219 ROBUST INFRASTRUCTURE AND ACCESS	154,375	154,375	0
220 CYBER COMMAND AND CONTROL (CYBER C2)	96,932	96,932	0
221 DATA AND UNIFIED PLATFORM (D&UP)	106,053	106,053	0
225 DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATION	12,843	12,843	0
226 COUNTERING THREATS AUTOMATED PLATFORM	6,057	6,057	0
227 LONG-HAUL COMMUNICATIONS - DCS Program decrease - MLSV2 production ahead of need	51,214	36,214 -15,000	-15,000
228 MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN)	4,985	4,985	0
230 INFORMATION SYSTEMS SECURITY PROGRAM Program increase - centers for academic excellence in cybersecurity	31,127	56,127 25,000	25,000
232 INFORMATION SYSTEMS SECURITY PROGRAM	31,414	31,414	0
234 PEO SPECTRUM	24,991	24,991	0
235 JOINT PLANNING AND EXECUTION SERVICES	3,304	3,304	0
236 JOINT REGIONAL SECURITY STACKS (JRSS)	2,371	2,371	0
242 DEFENSE INDUSTRIAL BASE (DIB) CYBER SECURITY INITIATIVE	15,524	15,524	0
248 DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	1,800	1,800	0
249 COMBINED ADVANCED APPLICATIONS	42,355	42,355	0
252 POLICY R&D PROGRAMS	6,220	6,220	0
253 NET CENTRICITY Program decrease - unclear execution plan	20,620	15,465 -5,155	-5,155
255 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	5,854	5,854	0
263 HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM Program increase - dual-use advanced trauma system	1,867	7,117 5,250	5,250

R-1	Budget Request	Committee Recommended	Change from Request
270 CYBER OPERATIONS TECHNOLOGY SUPPORT	479,672	464,672	-15,000
Program decrease - Joint Development Environment lack of credible execution plan		-15,000	
271 NATIONAL INDUSTRIAL SECURITY SYSTEMS (NISS)	38,761	35,461	-3,300
Program decrease - underexecution		-3,300	
275 LOGISTICS SUPPORT ACTIVITIES	1,406	1,406	0
276 PACIFIC DISASTER CENTERS	1,861	1,861	0
277 DEFENSE PROPERTY ACCOUNTABILITY SYSTEM	3,004	3,004	0
279 MQ-9 UAV	34,851	34,851	0
281 AVIATION SYSTEMS	263,712	251,012	-12,700
Program increase - synthetic vision avionics backbone technical refresh		21,000	
Program decrease - aviation engineering analysis		-4,500	
Program decrease - future vertical lift		-4,200	
Program decrease - MAC		-11,500	
Program decrease - precision strike package		-13,500	
282 INTELLIGENCE SYSTEMS DEVELOPMENT	81,648	92,648	11,000
Program increase - advanced vehicle forensic engineering		4,000	
Program increase - MTUAS		10,000	
Program decrease - MTUAS underexecution		-3,000	
283 OPERATIONAL ENHANCEMENTS	206,307	218,807	12,500
Program increase - secure transit through untrusted networks		7,500	
Program increase - single-channel handheld enhancements		5,000	
284 WARRIOR SYSTEMS	245,882	284,632	38,750
Program increase - counter unmanned systems (CUxS) & group 3 defeat acceleration		34,625	
Program increase - expeditionary additive manufacturing		4,000	
Program increase - female body armor		5,000	
Program increase - spear body armor		5,000	
Program decrease - blue force tracker		-3,500	
Program decrease - next generation tactical communications		-6,375	
285 SPECIAL PROGRAMS	539	19,964	19,425
Program increase		19,425	
286 UNMANNED ISR	31,578	19,425	-12,153
Program decrease - long endurance aircraft		-12,153	
287 SOF TACTICAL VEHICLES	9,025	14,025	5,000
Program increase - mobile mortar system		5,000	
288 MARITIME SYSTEMS	210,787	223,317	12,530
Program increase - small autonomous vessels for maritime SOF		15,000	
Program decrease - SOF combat diving		-2,470	

R-1	Budget Request	Committee Recommended	Change from Request
289 OPERATIONAL ENHANCEMENTS INTELLIGENCE	17,233	27,233	10,000
Program increase - amorphous silicon oxycarbide lithium-ion battery technology		5,000	
Program increase - clandestine autonomous dropable aircraft capabilities		5,000	
292 ACQUISITION VISIBILITY - SOFTWARE PILOT	17,907	17,907	0
293 GLOBAL COMMAND AND CONTROL SYSTEM	31,619	31,619	0
294 CYBER OPERATIONS TECHNOLOGY SUPPORT	85,168	46,612	-38,556
Program decrease - Joint Cyber Hunt Kit lack of credible execution plan		-38,556	
294A DEFENSE INNOVATION UNIT (DIU) FIELDING	0	600,373	600,373
Program increase - accountability bookkeeping dashboard		5,000	
Program increase - classified facility expansion for digital proving ground		45,000	
Program increase - innovation information repository expansion		10,000	
Program increase - Marine Corps priorities		10,000	
Program increase - projects with Service programming commitment		240,000	
Program increase - reusable hypersonic technology		15,000	
Program increase - small craft electric propulsion		10,000	
Program increase - support to combatant commands		220,000	
Transfer from line 108 - operational energy capability improvement non-S&T		5,373	
Transfer from line 70		40,000	
999 CLASSIFIED PROGRAMS	37,738	37,738	0
999 CLASSIFIED PROGRAMS	8,686,427	8,688,927	2,500
Classified adjustment		2,500	
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE-WIDE	35,227,834	36,742,144	1,514,310