

1 **TITLE XLI—PROCUREMENT**

2 **SEC. 4101. PROCUREMENT.**

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>Senate Authorized</b>
<b>AIRCRAFT PROCUREMENT, ARMY</b>			
<b>FIXED WING</b>			
3	FUTURE UAS FAMILY .....	0	73,000
	Army UFR—Replace Shadow UAS in 8 BCTs .....		[73,000]
4	SMALL UNMANNED AIRCRAFT SYSTEM .....	16,005	16,005
<b>ROTARY</b>			
7	AH-64 APACHE BLOCK IIIA REMAN .....	504,136	504,136
8	AH-64 APACHE BLOCK IIIA REMAN .....	192,230	192,230
10	UH-60 BLACKHAWK M MODEL (MYP) .....	630,263	630,263
11	UH-60 BLACKHAWK M MODEL (MYP) .....	146,068	146,068
12	UH-60 BLACK HAWK L AND V MODELS .....	166,205	166,205
13	CH-47 HELICOPTER .....	145,218	397,218
	Army UFR—Support minimum sustainment rate .....		[252,000]
14	CH-47 HELICOPTER .....	18,559	18,559
<b>MODIFICATION OF AIRCRAFT</b>			
17	GRAY EAGLE MODS2 .....	3,143	3,143
18	MULTI SENSOR ABN RECON .....	127,665	127,665
19	AH-64 MODS .....	118,560	118,560
20	CH-47 CARGO HELICOPTER MODS (MYP) .....	9,918	12,918
	CH-47 cargo aircraft modifications .....		[3,000]
21	GRCS SEMA MODS .....	2,762	2,762
22	ARL SEMA MODS .....	9,437	9,437
23	EMARSS SEMA MODS .....	1,568	1,568
24	UTILITY/CARGO AIRPLANE MODS .....	8,530	8,530
25	UTILITY HELICOPTER MODS .....	15,826	15,826
26	NETWORK AND MISSION PLAN .....	29,206	29,206
27	COMMS, NAV SURVEILLANCE .....	58,117	58,117
29	AVIATION ASSURED PNT .....	47,028	47,028
30	GATM ROLLUP .....	16,776	16,776
32	UAS MODS .....	3,840	3,840
<b>GROUND SUPPORT AVIONICS</b>			
33	AIRCRAFT SURVIVABILITY EQUIPMENT .....	64,561	64,561
34	SURVIVABILITY CM .....	5,104	5,104
35	CMWS .....	148,570	148,570
36	COMMON INFRARED COUNTERMEASURES (CIRCM) .....	240,412	240,412
<b>OTHER SUPPORT</b>			
38	COMMON GROUND EQUIPMENT .....	13,561	13,561
39	AIRCREW INTEGRATED SYSTEMS .....	41,425	41,425
40	AIR TRAFFIC CONTROL .....	21,759	21,759
	<b>TOTAL AIRCRAFT PROCUREMENT, ARMY</b> .....	<b>2,806,452</b>	<b>3,134,452</b>
<b>MISSILE PROCUREMENT, ARMY</b>			
<b>SURFACE-TO-AIR MISSILE SYSTEM</b>			
2	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SEN .....	35,473	35,473
3	M-SHORAD—PROCUREMENT .....	331,575	331,575
4	MSE MISSILE .....	776,696	776,696
5	PRECISION STRIKE MISSILE (PRSM) .....	166,130	166,130
6	INDIRECT FIRE PROTECTION CAPABILITY INC 2-I .....	25,253	25,253
<b>AIR-TO-SURFACE MISSILE SYSTEM</b>			
7	HELLFIRE SYS SUMMARY .....	118,800	118,800
8	JOINT AIR-TO-GROUND MSLS (JAGM) .....	152,177	219,177
	Army UFR—Additional JAGM procurement .....		[67,000]
9	LONG RANGE PRECISION MUNITION .....	44,744	44,744
<b>ANTI-TANK/ASSAULT MISSILE SYS</b>			
10	JAVELIN (AAWS-M) SYSTEM SUMMARY .....	120,842	135,842
	Army UFR—Light Weight Command Launch Units .....		[15,000]
11	TOW 2 SYSTEM SUMMARY .....	104,412	104,412
12	GUIDED MLRS ROCKET (GMLRS) .....	935,917	985,917
	Army UFR—Restores GMLRS procurement .....		[50,000]
13	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR) .....	29,574	29,574
14	HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS) .....	128,438	128,438
16	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS) .....	68,278	68,278
<b>MODIFICATIONS</b>			
17	PATRIOT MODS .....	205,469	205,469
21	AVENGER MODS .....	11,227	11,227
22	ITAS/TOW MODS .....	4,561	4,561
23	MLRS MODS .....	273,856	273,856
24	HIMARS MODIFICATIONS .....	7,192	7,192
<b>SPARES AND REPAIR PARTS</b>			
25	SPARES AND REPAIR PARTS .....	5,019	5,019
<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>			
26	AIR DEFENSE TARGETS .....	10,618	10,618

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	<b>TOTAL MISSILE PROCUREMENT, ARMY</b>	<b>3,556,251</b>	<b>3,688,251</b>
	<b>PROCUREMENT OF W&amp;TCV, ARMY</b>		
	<b>TRACKED COMBAT VEHICLES</b>		
1	ARMORED MULTI PURPOSE VEHICLE (AMPV)	104,727	104,727
2	ASSAULT BREACHER VEHICLE (ABV)	16,454	16,454
3	MOBILE PROTECTED FIREPOWER	286,977	286,977
	<b>MODIFICATION OF TRACKED COMBAT VEHICLES</b>		
5	STRYKER UPGRADE	1,005,028	1,005,028
6	BRADLEY PROGRAM (MOD)	461,385	518,354
	Army UFR—Improved Bradley Acquisition System upgrade		[56,969]
7	M109 FOV MODIFICATIONS	2,534	2,534
8	PALADIN INTEGRATED MANAGEMENT (PIM)	446,430	645,930
	Army UFR—PIM increase		[199,500]
9	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)	52,059	52,059
10	ASSAULT BRIDGE (MOD)	2,136	2,136
13	JOINT ASSAULT BRIDGE	110,773	110,773
15	ABRAMS UPGRADE PROGRAM	981,337	1,350,337
	Army UFR—Abrams ARNG M1A2SEPV3 fielding		[369,000]
16	VEHICLE PROTECTION SYSTEMS (VPS)	80,286	80,286
	<b>WEAPONS &amp; OTHER COMBAT VEHICLES</b>		
18	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S	31,623	31,623
19	MORTAR SYSTEMS	37,485	50,338
	Army UFR—120mm mortar cannon		[12,853]
20	XM320 GRENADE LAUNCHER MODULE (GLM)	8,666	8,666
21	PRECISION SNIPER RIFLE	11,040	11,040
23	CARBINE	4,434	4,434
24	NEXT GENERATION SQUAD WEAPON	97,087	97,087
26	HANDGUN	4,930	4,930
	<b>MOD OF WEAPONS AND OTHER COMBAT VEH</b>		
27	MK-19 GRENADE MACHINE GUN MODS	13,027	13,027
28	M777 MODS	21,976	23,771
	Army UFR—Software Defined Radio-Hardware Integration Kits		[1,795]
30	M2 50 CAL MACHINE GUN MODS	3,612	21,527
	Army UFR—Additional M2A1s for MATVs		[17,915]
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
36	ITEMS LESS THAN \$5.0M (WOCV-WTCV)	1,068	1,068
37	PRODUCTION BASE SUPPORT (WOCV-WTCV)	90,819	90,819
	<b>TOTAL PROCUREMENT OF W&amp;TCV, ARMY</b>	<b>3,875,893</b>	<b>4,533,925</b>
	<b>PROCUREMENT OF AMMUNITION, ARMY</b>		
	<b>SMALL/MEDIUM CAL AMMUNITION</b>		
1	CTG, 5.56MM, ALL TYPES	47,490	79,890
	Army UFR—Enhanced Performance Round and Tracer		[32,400]
2	CTG, 7.62MM, ALL TYPES	74,870	74,870
3	NEXT GENERATION SQUAD WEAPON AMMUNITION	76,794	76,794
4	CTG, HANDGUN, ALL TYPES	7,812	7,812
5	CTG, .50 CAL, ALL TYPES	29,716	29,716
6	CTG, 20MM, ALL TYPES	4,371	4,371
8	CTG, 30MM, ALL TYPES	34,511	34,511
9	CTG, 40MM, ALL TYPES	35,231	49,231
	Army UFR—MK19 training and war reserves		[14,000]
	<b>MORTAR AMMUNITION</b>		
10	60MM MORTAR, ALL TYPES	23,219	23,219
11	81MM MORTAR, ALL TYPES	52,135	52,135
12	120MM MORTAR, ALL TYPES	104,144	104,144
	<b>TANK AMMUNITION</b>		
13	CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES	224,503	323,821
	Army UFR—Tank main gun ammo		[99,318]
	<b>ARTILLERY AMMUNITION</b>		
14	ARTILLERY CARTRIDGES, 75MM & 105MM, ALL TYPES	26,709	26,709
15	ARTILLERY PROJECTILE, 155MM, ALL TYPES	174,015	204,859
	Army UFR—Additional inventory		[30,844]
16	PROJ 155MM EXTENDED RANGE M982	73,498	73,498
17	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL	150,873	150,873
	<b>MINES</b>		
18	MINES & CLEARING CHARGES, ALL TYPES	25,980	25,980
19	CLOSE TERRAIN SHAPING OBSTACLE	34,761	34,761
	<b>ROCKETS</b>		
20	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	24,408	24,408
21	ROCKET, HYDRA 70, ALL TYPES	109,536	109,536
	<b>OTHER AMMUNITION</b>		
22	CAD/PAD, ALL TYPES	6,549	6,549
23	DEMOLITION MUNITIONS, ALL TYPES	27,904	27,904
24	GRENADES, ALL TYPES	37,437	37,437
25	SIGNALS, ALL TYPES	7,530	7,530
26	SIMULATORS, ALL TYPES	8,350	8,350
27	REACTIVE ARMOR TILES	17,755	17,755

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<b>MISCELLANEOUS</b>			
28	AMMO COMPONENTS, ALL TYPES .....	2,784	2,784
29	ITEMS LESS THAN \$5 MILLION (AMMO) .....	17,797	17,797
30	AMMUNITION PECULIAR EQUIPMENT .....	12,290	12,290
31	FIRST DESTINATION TRANSPORTATION (AMMO) .....	4,331	4,331
32	CLOSEOUT LIABILITIES .....	99	99
<b>PRODUCTION BASE SUPPORT</b>			
34	INDUSTRIAL FACILITIES .....	538,120	642,620
	Army UFR—Demolition of Legacy Nitrate Esters (Nitroglycerin) NG1 Facility, Radford Army Ammunition Plant (RFAAP), Virginia .....		[40,000]
	Army UFR—Environmental, Safety, Construction, Maintenance and Repair of GOCO Facilities in VA, TN, MO, PA, & IA .....		[40,000]
	Army UFR—Pyrotechnics Energetic Capability (PEC) construction at Lake City Army Ammunition Plant (LCAAP), Missouri .....		[12,000]
	Army UFR—Solvent Propellant Facility, Preliminary Design, Radford Army Ammu- nition Plant, Virginia .....		[12,500]
35	CONVENTIONAL MUNITIONS DEMILITARIZATION .....	139,410	139,410
36	ARMS INITIATIVE .....	3,178	3,178
	<b>TOTAL PROCUREMENT OF AMMUNITION, ARMY</b> .....	<b>2,158,110</b>	<b>2,439,172</b>
<b>OTHER PROCUREMENT, ARMY</b>			
<b>TACTICAL VEHICLES</b>			
2	SEMITRAILERS, FLATBED: .....	12,539	18,931
	Army UFR—M872 semitrailer .....		[6,392]
3	SEMITRAILERS, TANKERS .....	17,985	17,985
4	HI MOB MULTI-PURP WHLD VEH (HMMWV) .....	60,706	60,706
5	GROUND MOBILITY VEHICLES (GMV) .....	29,807	34,807
	Infantry Squad Vehicle .....		[5,000]
8	JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICL .....	574,562	694,562
	Army UFR—Additional JLTV fielding .....		[120,000]
9	TRUCK, DUMP, 20T (CCE) .....	9,882	9,882
10	FAMILY OF MEDIUM TACTICAL VEH (FMTV) .....	36,885	36,885
11	FAMILY OF COLD WEATHER ALL-TERRAIN VEHICLE (C .....	16,450	16,450
12	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIP .....	26,256	26,256
13	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV) .....	64,282	64,282
14	PLS ESP .....	16,943	16,943
17	TACTICAL WHEELED VEHICLE PROTECTION KITS .....	17,957	17,957
18	MODIFICATION OF IN SVC EQUIP .....	29,349	29,349
<b>NON-TACTICAL VEHICLES</b>			
20	PASSENGER CARRYING VEHICLES .....	1,232	1,232
21	NON-TACTICAL VEHICLES, OTHER .....	24,246	24,246
<b>COMM—JOINT COMMUNICATIONS</b>			
22	SIGNAL MODERNIZATION PROGRAM .....	140,036	142,536
	Army UFR—Multi-Domain Task Force All-Domain Operations Center cloud pilot .....		[2,500]
23	TACTICAL NETWORK TECHNOLOGY MOD IN SVC .....	436,524	436,524
25	DISASTER INCIDENT RESPONSE COMMS TERMINAL (DI .....	3,863	3,863
26	JCSE EQUIPMENT (USRDECOM) .....	4,845	4,845
<b>COMM—SATELLITE COMMUNICATIONS</b>			
29	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS .....	97,369	97,369
30	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS .....	120,550	120,550
31	SHF TERM .....	38,129	38,129
32	ASSURED POSITIONING, NAVIGATION AND TIMING .....	115,291	115,291
33	SMART-T (SPACE) .....	15,407	15,407
34	GLOBAL BRDCST SVC—GBS .....	2,763	2,763
<b>COMM—C3 SYSTEM</b>			
37	COE TACTICAL SERVER INFRASTRUCTURE (TSI) .....	99,858	99,858
<b>COMM—COMBAT COMMUNICATIONS</b>			
38	HANDHELD MANPACK SMALL FORM FIT (HMS) .....	775,069	775,069
40	ARMY LINK 16 SYSTEMS .....	17,749	17,749
42	UNIFIED COMMAND SUITE .....	17,984	17,984
43	COTS COMMUNICATIONS EQUIPMENT .....	191,702	191,702
44	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE .....	15,957	15,957
45	ARMY COMMUNICATIONS & ELECTRONICS .....	89,441	89,441
<b>COMM—INTELLIGENCE COMM</b>			
47	CI AUTOMATION ARCHITECTURE-INTEL .....	13,317	13,317
48	DEFENSE MILITARY DECEPTION INITIATIVE .....	5,207	5,207
49	MULTI-DOMAIN INTELLIGENCE .....	20,095	20,095
<b>INFORMATION SECURITY</b>			
51	INFORMATION SYSTEM SECURITY PROGRAM-ISSP .....	987	987
52	COMMUNICATIONS SECURITY (COMSEC) .....	126,273	126,273
53	DEFENSIVE CYBER OPERATIONS .....	27,389	31,489
	Army UFR—Cybersecurity / IT Network Mapping .....		[4,100]
56	SIO CAPABILITY .....	21,303	21,303
57	BIOMETRIC ENABLING CAPABILITY (BEC) .....	914	914
<b>COMM—LONG HAUL COMMUNICATIONS</b>			
59	BASE SUPPORT COMMUNICATIONS .....	9,209	9,209
<b>COMM—BASE COMMUNICATIONS</b>			
60	INFORMATION SYSTEMS .....	219,026	219,026

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61	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM .....	4,875	4,875
64	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM .....	223,001	225,041
	EUCOM UFR—Mission Partner Environment .....		[2,040]
	<b>ELECT EQUIP—TACT INT REL ACT (TIARA)</b>		
67	JTT/CIBS-M .....	5,463	5,463
68	TERRESTRIAL LAYER SYSTEMS (TLS) .....	39,240	39,240
70	DCGS-A-INTEL .....	92,613	119,563
	Army UFR—Additional fixed node cloud servers .....		[26,950]
71	JOINT TACTICAL GROUND STATION (JTAGS)-INTEL .....	8,088	8,088
72	TROJAN .....	30,828	30,828
73	MOD OF IN-SVC EQUIP (INTEL SPT) .....	39,039	39,039
74	BIOMETRIC TACTICAL COLLECTION DEVICES .....	11,097	11,097
	<b>ELECT EQUIP—ELECTRONIC WARFARE (EW)</b>		
76	EW PLANNING & MANAGEMENT TOOLS (EWPMT) .....	783	783
77	AIR VIGILANCE (AV) .....	13,486	13,486
79	FAMILY OF PERSISTENT SURVEILLANCE CAP. ....	14,414	14,414
80	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES .....	19,111	19,111
81	CI MODERNIZATION .....	421	421
	<b>ELECT EQUIP—TACTICAL SURV. (TAC SURV)</b>		
82	SENTINEL MODS .....	47,642	47,642
83	NIGHT VISION DEVICES .....	1,092,341	822,575
	Program reduction—IVAS early to need .....		[-269,766]
84	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF .....	21,103	21,103
85	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS .....	6,153	6,153
86	FAMILY OF WEAPON SIGHTS (FWS) .....	184,145	184,145
87	ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SE .....	2,371	2,371
88	FORWARD LOOKING INFRARED (IFLIR) .....	11,929	11,929
89	COUNTER SMALL UNMANNED AERIAL SYSTEM (C-SUAS) .....	60,058	60,058
90	JOINT BATTLE COMMAND—PLATFORM (JBC-P) .....	263,661	263,661
91	JOINT EFFECTS TARGETING SYSTEM (JETS) .....	62,082	62,082
93	COMPUTER BALLISTICS: LHMCB XM32 .....	2,811	2,811
94	MORTAR FIRE CONTROL SYSTEM .....	17,236	17,236
95	MORTAR FIRE CONTROL SYSTEMS MODIFICATIONS .....	2,830	2,830
96	COUNTERFIRE RADARS .....	31,694	31,694
	<b>ELECT EQUIP—TACTICAL C2 SYSTEMS</b>		
97	ARMY COMMAND POST INTEGRATED INFRASTRUCTURE ( .....	49,410	49,410
98	FIRE SUPPORT C2 FAMILY .....	9,853	9,853
99	AIR & MSL DEFENSE PLANNING & CONTROL SYS .....	67,193	67,193
100	LAMD BATTLE COMMAND SYSTEM .....	301,872	301,872
101	LIFE CYCLE SOFTWARE SUPPORT (LCSS) .....	5,182	5,182
102	NETWORK MANAGEMENT INITIALIZATION AND SERVICE .....	31,349	31,349
104	GLOBAL COMBAT SUPPORT SYSTEM-ARMY (GCSS-A) .....	11,271	11,271
105	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPP) .....	16,077	16,077
107	MOD OF IN-SVC EQUIPMENT (ENFIRE) .....	3,160	3,160
	<b>ELECT EQUIP—AUTOMATION</b>		
108	ARMY TRAINING MODERNIZATION .....	9,833	9,833
109	AUTOMATED DATA PROCESSING EQUIP .....	130,924	133,924
	Army UFR—ATRRS unlimited data rights .....		[3,000]
110	ACCESSIONS INFORMATION ENVIRONMENT (AIE) .....	44,635	44,635
111	GENERAL FUND ENTERPRISE BUSINESS SYSTEMS FAM .....	1,452	1,452
112	HIGH PERF COMPUTING MOD PGM (HPCMP) .....	69,943	69,943
113	CONTRACT WRITING SYSTEM .....	16,957	16,957
114	CSS COMMUNICATIONS .....	73,110	73,110
115	RESERVE COMPONENT AUTOMATION SYS (RCAS) .....	12,905	12,905
	<b>ELECT EQUIP—SUPPORT</b>		
117	BCT EMERGING TECHNOLOGIES .....	13,835	13,835
	<b>CLASSIFIED PROGRAMS</b>		
9999	CLASSIFIED PROGRAMS .....	18,304	18,304
	<b>CHEMICAL DEFENSIVE EQUIPMENT</b>		
119	BASE DEFENSE SYSTEMS (BDS) .....	62,295	62,295
120	CBRN DEFENSE .....	55,632	66,932
	CNGB UFR—Man portable radiological detection system .....		[11,300]
	<b>BRIDGING EQUIPMENT</b>		
122	TACTICAL BRIDGING .....	9,625	9,625
123	TACTICAL BRIDGE, FLOAT-RIBBON .....	76,082	76,082
124	BRIDGE SUPPLEMENTAL SET .....	19,867	19,867
125	COMMON BRIDGE TRANSPORTER (CBT) RECAP .....	109,796	109,796
	<b>ENGINEER (NON-CONSTRUCTION) EQUIPMENT</b>		
126	HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST .....	5,628	5,628
128	HUSKY MOUNTED DETECTION SYSTEM (HMDS) .....	26,823	75,159
	Army UFR—Additional HMDS .....		[48,336]
131	ROBOTICS AND APPLIQUE SYSTEMS .....	124,233	134,237
	Army UFR—Common Robotic System-Individual (CRS-I) .....		[10,004]
132	RENDER SAFE SETS KITS OUTFITS .....	84,000	87,158
	Army UFR—Additional render safe equipment .....		[3,158]
	<b>COMBAT SERVICE SUPPORT EQUIPMENT</b>		
134	HEATERS AND ECUS .....	7,116	7,116
135	SOLDIER ENHANCEMENT .....	1,286	1,286

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136	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS) .....	9,741	9,741
137	GROUND SOLDIER SYSTEM .....	150,244	150,244
138	MOBILE SOLDIER POWER .....	17,815	17,815
139	FORCE PROVIDER .....	28,860	28,860
140	FIELD FEEDING EQUIPMENT .....	2,321	2,321
141	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM .....	40,240	40,240
142	FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS .....	36,163	36,163
	<b>PETROLEUM EQUIPMENT</b>		
144	QUALITY SURVEILLANCE EQUIPMENT .....	744	744
145	DISTRIBUTION SYSTEMS, PETROLEUM & WATER .....	72,296	76,716
	Army UFR—Modular Fuel System (MFS) .....		[4,420]
	<b>MEDICAL EQUIPMENT</b>		
146	COMBAT SUPPORT MEDICAL .....	122,145	122,145
	<b>MAINTENANCE EQUIPMENT</b>		
147	MOBILE MAINTENANCE EQUIPMENT SYSTEMS .....	14,756	14,756
	<b>CONSTRUCTION EQUIPMENT</b>		
154	ALL TERRAIN CRANES .....	112,784	112,784
156	CONST EQUIP ESP .....	8,694	8,694
	<b>RAIL FLOAT CONTAINERIZATION EQUIPMENT</b>		
158	ARMY WATERCRAFT ESP .....	44,409	58,009
	Army UFR—Landing Craft Utility modernization .....		[13,600]
159	MANEUVER SUPPORT VESSEL (MSV) .....	76,660	76,660
	<b>GENERATORS</b>		
161	GENERATORS AND ASSOCIATED EQUIP .....	47,606	47,606
162	TACTICAL ELECTRIC POWER RECAPITALIZATION .....	10,500	10,500
	<b>MATERIAL HANDLING EQUIPMENT</b>		
163	FAMILY OF FORKLIFTS .....	13,325	13,325
	<b>TRAINING EQUIPMENT</b>		
164	COMBAT TRAINING CENTERS SUPPORT .....	79,565	79,565
165	TRAINING DEVICES, NONSYSTEM .....	174,644	174,644
166	SYNTHETIC TRAINING ENVIRONMENT (STE) .....	122,104	122,104
168	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING .....	11,642	11,642
	<b>TEST MEASURE AND DIG EQUIPMENT (TMD)</b>		
170	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) .....	42,934	42,934
172	TEST EQUIPMENT MODERNIZATION (TEMOD) .....	24,304	24,304
	<b>OTHER SUPPORT EQUIPMENT</b>		
174	PHYSICAL SECURITY SYSTEMS (OPA3) .....	86,930	86,930
175	BASE LEVEL COMMON EQUIPMENT .....	27,823	27,823
176	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) .....	32,392	48,292
	Expeditionary solid waste disposal system .....		[15,900]
177	BUILDING, PRE-FAB, RELOCATABLE .....	32,227	32,227
179	SPECIAL EQUIPMENT FOR TEST AND EVALUATION .....	76,917	76,917
	<b>OPA2</b>		
180	INITIAL SPARES—C&E .....	9,272	9,272
	<b>TOTAL OTHER PROCUREMENT, ARMY</b> .....	<b>8,873,558</b>	<b>8,880,492</b>
	<b>AIRCRAFT PROCUREMENT, NAVY</b>		
	<b>COMBAT AIRCRAFT</b>		
1	F/A-18E/F (FIGHTER) HORNET .....	87,832	87,832
3	JOINT STRIKE FIGHTER CV .....	2,111,009	2,646,009
	Navy UFR—Additional F-35C .....		[535,000]
4	JOINT STRIKE FIGHTER CV .....	246,781	246,781
5	JSF STOVL .....	2,256,829	2,256,829
6	JSF STOVL .....	216,720	345,520
	Marine Corps UFR—F-35 peculiar ground support equipment .....		[128,800]
7	CH-53K (HEAVY LIFT) .....	1,286,296	1,536,296
	Additional aircraft .....		[250,000]
8	CH-53K (HEAVY LIFT) .....	182,871	182,871
9	V-22 (MEDIUM LIFT) .....	751,716	1,123,716
	Marine Corps UFR—MV-22 nacelle maintenance stands .....		[18,000]
	Marine Corps UFR—MV-22 support equipment .....		[15,000]
	Marine Corps UFR—MV-22 tooling for WESTPAC .....		[4,600]
	Navy UFR—Additional V-22B .....		[334,400]
11	H-1 UPGRADES (UH-1Y/AH-1Z) .....	939	939
13	P-8A POSEIDON .....	44,595	44,595
14	E-2D ADV HAWKEYE .....	766,788	957,788
	Navy UFR—Additional E-2D .....		[191,000]
15	E-2D ADV HAWKEYE .....	118,095	118,095
	<b>TRAINER AIRCRAFT</b>		
16	ADVANCED HELICOPTER TRAINING SYSTEM .....	163,490	163,490
	<b>OTHER AIRCRAFT</b>		
17	KC-130J .....	520,787	1,055,987
	Marine Corps UFR—KC-130J weapons system trainer .....		[31,500]
	Marine Corps UFR—Replace KC-130J aircraft .....		[197,900]
	Navy UFR—Additional C-130J-30 .....		[305,800]
18	KC-130J .....	68,088	68,088
21	MQ-4 TRITON .....	160,151	483,151
	Additional aircraft .....		[323,000]

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
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23	MQ-8 UAV .....	49,249	49,249
24	STUASL0 UAV .....	13,151	13,151
25	MQ-25 .....	47,468	47,468
27	MARINE GROUP 5 UAS .....	233,686	293,686
	Marine Corps UFR—Additional aircraft .....		[40,000]
	Marine Corps UFR—Additional ground control stations .....		[20,000]
	<b>MODIFICATION OF AIRCRAFT</b>		
30	F-18 A-D UNIQUE .....	163,095	245,595
	Marine Corps UFR—F-18 ALR-67(V)5 radar warning receiver .....		[55,000]
	Marine Corps UFR—F-18C/D AESA radar upgrade .....		[27,500]
31	F-18E/F AND EA-18G MODERNIZATION AND SUSTAINM .....	482,899	482,899
32	MARINE GROUP 5 UAS SERIES .....	1,982	1,982
33	AEA SYSTEMS .....	23,296	23,296
34	AV-8 SERIES .....	17,882	17,882
35	INFRARED SEARCH AND TRACK (IRST) .....	138,827	138,827
36	ADVERSARY .....	143,571	153,971
	Marine Corps UFR—Upgrade of current VMFT-401 adversary aircraft .....		[12,400]
37	F-18 SERIES .....	327,571	327,571
38	H-53 SERIES .....	112,436	112,436
39	MH-60 SERIES .....	94,794	94,794
40	H-1 SERIES .....	124,194	124,194
41	EP-3 SERIES .....	28,848	28,848
42	E-2 SERIES .....	204,826	204,826
43	TRAINER A/C SERIES .....	7,849	7,849
44	C-2A .....	2,843	2,843
45	C-130 SERIES .....	145,610	145,610
46	FEWSG .....	734	734
47	CARGO/TRANSPORT A/C SERIES .....	10,682	10,682
48	E-6 SERIES .....	128,029	128,029
49	EXECUTIVE HELICOPTERS SERIES .....	45,326	45,326
51	T-45 SERIES .....	158,772	158,772
52	POWER PLANT CHANGES .....	24,915	24,915
53	JPATS SERIES .....	22,955	22,955
54	AVIATION LIFE SUPPORT MODS .....	2,477	2,477
55	COMMON ECM EQUIPMENT .....	119,574	127,174
	Marine Corps UFR—F-18 ALE-39 to ALE-47 retrofit .....		[7,600]
56	COMMON AVIONICS CHANGES .....	118,839	118,839
57	COMMON DEFENSIVE WEAPON SYSTEM .....	5,476	5,476
58	ID SYSTEMS .....	13,154	13,154
59	P-8 SERIES .....	131,298	161,998
	Navy UFR—P-8A Inc III kits .....		[30,700]
60	MAGTF EW FOR AVIATION .....	29,151	35,451
	Marine Corps UFR—Increase EW of AN/ALQ-231(V)3 .....		[6,300]
61	MQ-8 SERIES .....	31,624	31,624
62	V-22 (TILT/ROTOR ACFT) OSPREY .....	312,835	352,135
	Marine Corps UFR—MV-22 Mesh Network Manager .....		[39,300]
63	NEXT GENERATION JAMMER (NGJ) .....	266,676	266,676
64	F-35 STOVL SERIES .....	177,054	177,054
65	F-35 CV SERIES .....	138,269	138,269
66	QRC .....	98,563	98,563
67	MQ-4 SERIES .....	7,100	7,100
68	RQ-21 SERIES .....	14,123	14,123
	<b>AIRCRAFT SPARES AND REPAIR PARTS</b>		
72	SPARES AND REPAIR PARTS .....	2,339,077	2,466,977
	Marine Corps UFR—F-35B engine spares .....		[117,800]
	Marine Corps UFR—KC-130J initial spares .....		[7,000]
	Marine Corps UFR—KC-130J weapons system trainer initial spares .....		[3,100]
	<b>AIRCRAFT SUPPORT EQUIP &amp; FACILITIES</b>		
73	COMMON GROUND EQUIPMENT .....	517,267	517,267
74	AIRCRAFT INDUSTRIAL FACILITIES .....	80,500	80,500
75	WAR CONSUMABLES .....	42,496	42,496
76	OTHER PRODUCTION CHARGES .....	21,374	21,374
77	SPECIAL SUPPORT EQUIPMENT .....	271,774	271,774
	<b>TOTAL AIRCRAFT PROCUREMENT, NAVY</b> .....	<b>16,477,178</b>	<b>19,178,878</b>
	<b>WEAPONS PROCUREMENT, NAVY</b>		
	<b>MODIFICATION OF MISSILES</b>		
1	TRIDENT II MODS .....	1,144,446	1,144,446
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
2	MISSILE INDUSTRIAL FACILITIES .....	7,319	7,319
	<b>STRATEGIC MISSILES</b>		
3	TOMAHAWK .....	124,513	124,513
	<b>TACTICAL MISSILES</b>		
5	SIDEWINDER .....	86,366	86,366
6	STANDARD MISSILE .....	521,814	521,814
7	STANDARD MISSILE .....	45,357	45,357
8	JASSM .....	37,039	37,039
9	SMALL DIAMETER BOMB II .....	40,877	40,877

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
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10	RAM .....	92,981	92,981
11	JOINT AIR GROUND MISSILE (JAGM) .....	49,702	49,702
12	HELLFIRE .....	7,557	7,557
13	AERIAL TARGETS .....	150,339	150,339
14	DRONES AND DECOYS .....	30,321	30,321
15	OTHER MISSILE SUPPORT .....	3,474	16,074
	Marine Corps UFR—AGM-167A Griffin .....		[12,600]
16	LRASM .....	161,212	161,212
17	NAVAL STRIKE MISSILE (NSM) .....	59,331	113,231
	Navy UFR—Additional NSM .....		[53,900]
	<b>MODIFICATION OF MISSILES</b>		
18	TOMAHAWK MODS .....	206,233	206,233
19	ESSM .....	248,619	248,619
21	AARGM .....	116,345	116,345
22	STANDARD MISSILES MODS .....	148,834	148,834
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
23	WEAPONS INDUSTRIAL FACILITIES .....	1,819	1,819
	<b>ORDNANCE SUPPORT EQUIPMENT</b>		
26	ORDNANCE SUPPORT EQUIPMENT .....	191,905	191,905
	<b>TORPEDOES AND RELATED EQUIP</b>		
27	SSTD .....	4,545	4,545
28	MK-48 TORPEDO .....	159,107	209,007
	Navy UFR—Heavyweight Torpedo (HWT) quantity increase .....		[49,900]
29	ASW TARGETS .....	13,630	13,630
	<b>MOD OF TORPEDOES AND RELATED EQUIP</b>		
30	MK-54 TORPEDO MODS .....	106,112	106,112
31	MK-48 TORPEDO ADCAP MODS .....	35,680	35,680
32	MARITIME MINES .....	8,567	8,567
	<b>SUPPORT EQUIPMENT</b>		
33	TORPEDO SUPPORT EQUIPMENT .....	93,400	93,400
34	ASW RANGE SUPPORT .....	3,997	3,997
	<b>DESTINATION TRANSPORTATION</b>		
35	FIRST DESTINATION TRANSPORTATION .....	4,023	4,023
	<b>GUNS AND GUN MOUNTS</b>		
36	SMALL ARMS AND WEAPONS .....	14,909	14,909
	<b>MODIFICATION OF GUNS AND GUN MOUNTS</b>		
37	CIWS MODS .....	6,274	6,274
38	COAST GUARD WEAPONS .....	45,958	45,958
39	GUN MOUNT MODS .....	68,775	68,775
40	LCS MODULE WEAPONS .....	2,121	2,121
41	AIRBORNE MINE NEUTRALIZATION SYSTEMS .....	14,822	14,822
	<b>SPARES AND REPAIR PARTS</b>		
43	SPARES AND REPAIR PARTS .....	162,382	166,682
	Navy UFR—Maritime outfitting and interim spares .....		[4,300]
	<b>TOTAL WEAPONS PROCUREMENT, NAVY</b> .....	<b>4,220,705</b>	<b>4,341,405</b>
	<b>PROCUREMENT OF AMMO, NAVY &amp; MC</b>		
	<b>NAVY AMMUNITION</b>		
1	GENERAL PURPOSE BOMBS .....	48,635	48,635
2	JDAM .....	74,140	74,140
3	AIRBORNE ROCKETS, ALL TYPES .....	75,383	75,383
4	MACHINE GUN AMMUNITION .....	11,215	11,215
5	PRACTICE BOMBS .....	52,225	52,225
6	CARTRIDGES & CART ACTUATED DEVICES .....	70,876	70,876
7	AIR EXPENDABLE COUNTERMEASURES .....	61,600	103,200
	Marine Corps UFR—Additional units .....		[41,600]
8	JATOS .....	6,620	6,620
9	5 INCH/54 GUN AMMUNITION .....	28,922	28,922
10	INTERMEDIATE CALIBER GUN AMMUNITION .....	36,038	36,038
11	OTHER SHIP GUN AMMUNITION .....	39,070	39,070
12	SMALL ARMS & LANDING PARTY AMMO .....	45,493	45,493
13	PYROTECHNIC AND DEMOLITION .....	9,163	9,163
15	AMMUNITION LESS THAN \$5 MILLION .....	1,575	1,575
	<b>MARINE CORPS AMMUNITION</b>		
16	MORTARS .....	50,707	50,707
17	DIRECT SUPPORT MUNITIONS .....	120,037	120,037
18	INFANTRY WEAPONS AMMUNITION .....	94,001	94,001
19	COMBAT SUPPORT MUNITIONS .....	35,247	35,247
20	AMMO MODERNIZATION .....	16,267	16,267
21	ARTILLERY MUNITIONS .....	105,669	105,669
22	ITEMS LESS THAN \$5 MILLION .....	5,135	5,135
	<b>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC</b> .....	<b>988,018</b>	<b>1,029,618</b>
	<b>SHIPBUILDING AND CONVERSION, NAVY</b>		
	<b>FLEET BALLISTIC MISSILE SHIPS</b>		
1	OHIO REPLACEMENT SUBMARINE .....	3,003,000	3,003,000
2	OHIO REPLACEMENT SUBMARINE .....	1,643,980	1,773,980
	Submarine industrial base development .....		[130,000]

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<b>OTHER WARSHIPS</b>			
3	CARRIER REPLACEMENT PROGRAM .....	1,068,705	1,068,705
4	CVN-81 .....	1,299,764	1,299,764
5	VIRGINIA CLASS SUBMARINE .....	4,249,240	4,249,240
6	VIRGINIA CLASS SUBMARINE .....	2,120,407	2,120,407
7	CVN REFUELING OVERHAULS .....	2,456,018	2,456,018
8	CVN REFUELING OVERHAULS .....	66,262	66,262
9	DDG 1000 .....	56,597	71,597
	Navy UFR—DDG-1001 combat system activation .....		[15,000]
10	DDG-51 .....	2,016,787	3,675,787
	Navy UFR—Arleigh Burke-class destroyer DDG-51 .....		[1,659,000]
11	DDG-51 AP .....	0	175,000
	FY23 3rd DDG LLTM .....		[125,000]
	Surface combatant supplier base .....		[50,000]
13	FFG-FRIGATE .....	1,087,900	1,087,900
14	FFG-FRIGATE .....	69,100	69,100
<b>AMPHIBIOUS SHIPS</b>			
15	LPD FLIGHT II .....	60,636	60,636
16	LPD FLIGHT II .....	0	250,000
	Program increase .....		[250,000]
19	LHA REPLACEMENT .....	68,637	418,637
	Program increase .....		[350,000]
20	EXPEDITIONARY FAST TRANSPORT (EPF) .....	0	270,000
	Program increase .....		[270,000]
<b>AUXILIARIES, CRAFT AND PRIOR YR PROGRAM COST</b>			
21	TAO FLEET OILER .....	668,184	668,184
22	TAO FLEET OILER .....	76,012	76,012
23	TAGOS SURTASS SHIPS .....	434,384	434,384
24	TOWING, SALVAGE, AND RESCUE SHIP (ATS) .....	183,800	183,800
25	LCU 1700 .....	67,928	67,928
26	OUTFITTING .....	655,707	655,707
27	SHIP TO SHORE CONNECTOR .....	156,738	156,738
28	SERVICE CRAFT .....	67,866	67,866
29	LCAC SLEP .....	32,712	32,712
30	AUXILIARY VESSELS (USED SEALIFT) .....	299,900	0
	Program reduction .....		[-299,900]
31	COMPLETION OF PY SHIPBUILDING PROGRAMS .....	660,795	660,795
	<b>TOTAL SHIPBUILDING AND CONVERSION, NAVY</b> .....	<b>22,571,059</b>	<b>25,120,159</b>
<b>OTHER PROCUREMENT, NAVY</b>			
<b>SHIP PROPULSION EQUIPMENT</b>			
1	SURFACE POWER EQUIPMENT .....	41,414	41,414
<b>GENERATORS</b>			
2	SURFACE COMBATANT HM&E .....	83,746	83,746
<b>NAVIGATION EQUIPMENT</b>			
3	OTHER NAVIGATION EQUIPMENT .....	72,300	72,300
<b>OTHER SHIPBOARD EQUIPMENT</b>			
4	SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG .....	234,932	234,932
5	DDG MOD .....	583,136	583,136
6	FIREFIGHTING EQUIPMENT .....	15,040	15,040
7	COMMAND AND CONTROL SWITCHBOARD .....	2,194	2,194
8	LHA/LHD MIDLIFE .....	133,627	133,627
9	LCC 19/20 EXTENDED SERVICE LIFE PROGRAM .....	4,387	4,387
10	POLLUTION CONTROL EQUIPMENT .....	18,159	18,159
11	SUBMARINE SUPPORT EQUIPMENT .....	88,284	88,284
12	VIRGINIA CLASS SUPPORT EQUIPMENT .....	22,669	22,669
13	LCS CLASS SUPPORT EQUIPMENT .....	9,640	9,640
14	SUBMARINE BATTERIES .....	21,834	21,834
15	LPD CLASS SUPPORT EQUIPMENT .....	34,292	34,292
16	DDG 1000 CLASS SUPPORT EQUIPMENT .....	126,107	126,107
17	STRATEGIC PLATFORM SUPPORT EQUIP .....	12,256	12,256
18	DSSP EQUIPMENT .....	10,682	10,682
19	CG MODERNIZATION .....	156,951	193,651
	Navy UFR—CG Modernization Pricing .....		[36,700]
20	LCAC .....	21,314	21,314
21	UNDERWATER EOD EQUIPMENT .....	24,146	24,146
22	ITEMS LESS THAN \$5 MILLION .....	84,789	84,789
23	CHEMICAL WARFARE DETECTORS .....	2,997	2,997
<b>REACTOR PLANT EQUIPMENT</b>			
25	SHIP MAINTENANCE, REPAIR AND MODERNIZATION .....	1,307,651	1,473,051
	Navy UFR—A-120 availability .....		[167,400]
26	REACTOR POWER UNITS .....	3,270	3,270
27	REACTOR COMPONENTS .....	438,729	438,729
<b>OCEAN ENGINEERING</b>			
28	DIVING AND SALVAGE EQUIPMENT .....	10,772	10,772
<b>SMALL BOATS</b>			
29	STANDARD BOATS .....	58,770	58,770
<b>PRODUCTION FACILITIES EQUIPMENT</b>			



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30	OPERATING FORCES IPE .....	168,822	168,822
	<b>OTHER SHIP SUPPORT</b>		
31	LCS COMMON MISSION MODULES EQUIPMENT .....	74,231	74,231
32	LCS MCM MISSION MODULES .....	40,630	40,630
33	LCS ASW MISSION MODULES .....	1,565	1,565
34	LCS SUW MISSION MODULES .....	3,395	3,395
35	LCS IN-SERVICE MODERNIZATION .....	122,591	122,591
36	SMALL & MEDIUM UUV .....	32,534	32,534
	<b>SHIP SONARS</b>		
38	SPQ-9B RADAR .....	15,927	15,927
39	AN/SQQ-89 SURF ASW COMBAT SYSTEM .....	131,829	131,829
40	SSN ACOUSTIC EQUIPMENT .....	379,850	379,850
41	UNDERSEA WARFARE SUPPORT EQUIPMENT .....	13,965	13,965
	<b>ASW ELECTRONIC EQUIPMENT</b>		
42	SUBMARINE ACOUSTIC WARFARE SYSTEM .....	24,578	24,578
43	SSTD .....	11,010	11,010
44	FIXED SURVEILLANCE SYSTEM .....	363,651	363,651
45	SURTASS .....	67,500	67,500
	<b>ELECTRONIC WARFARE EQUIPMENT</b>		
46	AN/SLQ-32 .....	370,559	370,559
	<b>RECONNAISSANCE EQUIPMENT</b>		
47	SHIPBOARD IW EXPLOIT .....	261,735	261,735
48	AUTOMATED IDENTIFICATION SYSTEM (AIS) .....	3,777	3,777
	<b>OTHER SHIP ELECTRONIC EQUIPMENT</b>		
49	COOPERATIVE ENGAGEMENT CAPABILITY .....	24,641	61,541
	Navy UFR—Accelerate Naval Tactical Grid Development for Joint All-Domain Com- mand and Control (JADC2) .....		[23,600]
	Navy UFR—Maritime outfitting and interim spares .....		[13,300]
50	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS) .....	14,439	16,639
	Navy UFR—Naval Operational Business Logistics Enterprise (NOBLE) .....		[2,200]
51	ATDLS .....	101,595	101,595
52	NAVY COMMAND AND CONTROL SYSTEM (NCCS) .....	3,535	3,535
53	MINESWEEPING SYSTEM REPLACEMENT .....	15,640	15,640
54	SHALLOW WATER MCM .....	5,610	5,610
55	NAVSTAR GPS RECEIVERS (SPACE) .....	33,097	33,097
56	AMERICAN FORCES RADIO AND TV SERVICE .....	2,513	2,513
57	STRATEGIC PLATFORM SUPPORT EQUIP .....	4,823	4,823
	<b>AVIATION ELECTRONIC EQUIPMENT</b>		
58	ASHORE ATC EQUIPMENT .....	83,464	83,464
59	AFLOAT ATC EQUIPMENT .....	67,055	67,055
60	ID SYSTEMS .....	46,918	46,918
61	JOINT PRECISION APPROACH AND LANDING SYSTEM ( .....	35,386	35,386
62	NAVAL MISSION PLANNING SYSTEMS .....	17,951	17,951
	<b>OTHER SHORE ELECTRONIC EQUIPMENT</b>		
63	MARITIME INTEGRATED BROADCAST SYSTEM .....	2,360	2,360
64	TACTICAL/MOBILE C4I SYSTEMS .....	18,919	18,919
65	DCGS-N .....	16,691	16,691
66	CANES .....	412,002	460,002
	Navy UFR—Resilient Communications PNT for Combat Logistics Fleet (CLF) .....		[48,000]
67	RADLAC .....	9,074	9,074
68	CANES-INTELL .....	51,593	51,593
69	GPETE .....	23,930	23,930
70	MASF .....	8,795	8,795
71	INTEG COMBAT SYSTEM TEST FACILITY .....	5,829	5,829
72	EMI CONTROL INSTRUMENTATION .....	3,925	3,925
73	ITEMS LESS THAN \$5 MILLION .....	156,042	181,242
	Navy UFR—CVN-78 Dual Band Radar and DDG-1000 Multifunction Radar: Signal Data Processor Tech Refresh and Obsolete Component Redesign .....		[25,200]
	<b>SHIPBOARD COMMUNICATIONS</b>		
74	SHIPBOARD TACTICAL COMMUNICATIONS .....	43,212	43,212
75	SHIP COMMUNICATIONS AUTOMATION .....	90,724	101,224
	Navy UFR—Accelerate Naval Tactical Grid Development for Joint All-Domain Com- mand and Control (JADC2) .....		[5,500]
	Navy UFR—Resilient Communications and PNT for Combat Logistics Fleet (CLF) .....		[5,000]
76	COMMUNICATIONS ITEMS UNDER \$5M .....	44,447	44,447
	<b>SUBMARINE COMMUNICATIONS</b>		
77	SUBMARINE BROADCAST SUPPORT .....	47,579	47,579
78	SUBMARINE COMMUNICATION EQUIPMENT .....	64,642	64,642
	<b>SATELLITE COMMUNICATIONS</b>		
79	SATELLITE COMMUNICATIONS SYSTEMS .....	38,636	38,636
80	NAVY MULTIBAND TERMINAL (NMT) .....	34,723	34,723
	<b>SHORE COMMUNICATIONS</b>		
81	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) .....	2,651	2,651
	<b>CRYPTOGRAPHIC EQUIPMENT</b>		
82	INFO SYSTEMS SECURITY PROGRAM (ISSP) .....	146,879	146,879
83	MIO INTEL EXPLOITATION TEAM .....	977	977
	<b>CRYPTOLOGIC EQUIPMENT</b>		
84	CRYPTOLOGIC COMMUNICATIONS EQUIP .....	17,809	17,809

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2022 Request	Senate Authorized
	<b>OTHER ELECTRONIC SUPPORT</b>		
92	COAST GUARD EQUIPMENT .....	63,214	63,214
	<b>SONOBUOYS</b>		
94	SONOBUOYS—ALL TYPES .....	249,121	303,521
	Navy UFR—Additional sonobuoys .....		[54,400]
	<b>AIRCRAFT SUPPORT EQUIPMENT</b>		
95	MINOTAUR .....	4,963	4,963
96	WEAPONS RANGE SUPPORT EQUIPMENT .....	98,898	98,898
97	AIRCRAFT SUPPORT EQUIPMENT .....	178,647	178,647
98	ADVANCED ARRESTING GEAR (AAG) .....	22,265	22,265
99	METEOROLOGICAL EQUIPMENT .....	13,687	13,687
100	LEGACY AIRBORNE MCM .....	4,446	4,446
101	LAMPS EQUIPMENT .....	1,470	1,470
102	AVIATION SUPPORT EQUIPMENT .....	70,665	70,665
103	UMCS-UNMAN CARRIER AVIATION(UCA)MISSION CNTRL .....	86,584	86,584
	<b>SHIP GUN SYSTEM EQUIPMENT</b>		
104	SHIP GUN SYSTEMS EQUIPMENT .....	5,536	5,536
	<b>SHIP MISSILE SYSTEMS EQUIPMENT</b>		
105	HARPOON SUPPORT EQUIPMENT .....	204	204
106	SHIP MISSILE SUPPORT EQUIPMENT .....	237,987	280,487
	Navy UFR—Additional OTH-WS .....		[42,500]
107	TOMAHAWK SUPPORT EQUIPMENT .....	88,726	88,726
	<b>FBM SUPPORT EQUIPMENT</b>		
108	STRATEGIC MISSILE SYSTEMS EQUIP .....	281,259	281,259
	<b>ASW SUPPORT EQUIPMENT</b>		
109	SSN COMBAT CONTROL SYSTEMS .....	143,289	143,289
110	ASW SUPPORT EQUIPMENT .....	30,595	30,595
	<b>OTHER ORDNANCE SUPPORT EQUIPMENT</b>		
111	EXPLOSIVE ORDNANCE DISPOSAL EQUIP .....	1,721	1,721
112	ITEMS LESS THAN \$5 MILLION .....	8,746	8,746
	<b>OTHER EXPENDABLE ORDNANCE</b>		
113	ANTI-SHIP MISSILE DECOY SYSTEM .....	76,994	76,994
114	SUBMARINE TRAINING DEVICE MODS .....	75,813	75,813
115	SURFACE TRAINING EQUIPMENT .....	127,814	127,814
	<b>CIVIL ENGINEERING SUPPORT EQUIPMENT</b>		
116	PASSENGER CARRYING VEHICLES .....	4,140	4,140
117	GENERAL PURPOSE TRUCKS .....	2,805	2,805
118	CONSTRUCTION & MAINTENANCE EQUIP .....	48,403	48,403
119	FIRE FIGHTING EQUIPMENT .....	15,084	15,084
120	TACTICAL VEHICLES .....	27,400	27,400
121	POLLUTION CONTROL EQUIPMENT .....	2,607	2,607
122	ITEMS LESS THAN \$5 MILLION .....	51,963	51,963
123	PHYSICAL SECURITY VEHICLES .....	1,165	1,165
	<b>SUPPLY SUPPORT EQUIPMENT</b>		
124	SUPPLY EQUIPMENT .....	24,698	24,698
125	FIRST DESTINATION TRANSPORTATION .....	5,385	5,385
126	SPECIAL PURPOSE SUPPLY SYSTEMS .....	660,750	660,750
	<b>TRAINING DEVICES</b>		
127	TRAINING SUPPORT EQUIPMENT .....	3,465	3,465
128	TRAINING AND EDUCATION EQUIPMENT .....	60,114	60,114
	<b>COMMAND SUPPORT EQUIPMENT</b>		
129	COMMAND SUPPORT EQUIPMENT .....	31,007	31,007
130	MEDICAL SUPPORT EQUIPMENT .....	7,346	26,146
	Navy UFR—Expeditionary medical readiness .....		[18,800]
132	NAVAL MIP SUPPORT EQUIPMENT .....	2,887	2,887
133	OPERATING FORCES SUPPORT EQUIPMENT .....	12,815	12,815
134	C4ISR EQUIPMENT .....	6,324	6,324
135	ENVIRONMENTAL SUPPORT EQUIPMENT .....	25,098	25,098
136	PHYSICAL SECURITY EQUIPMENT .....	110,647	110,647
137	ENTERPRISE INFORMATION TECHNOLOGY .....	31,709	31,709
	<b>OTHER</b>		
141	NEXT GENERATION ENTERPRISE SERVICE .....	41	41
142	CYBERSPACE ACTIVITIES .....	12,859	12,859
	<b>CLASSIFIED PROGRAMS</b>		
9999	CLASSIFIED PROGRAMS .....	19,808	19,808
	<b>SPARES AND REPAIR PARTS</b>		
143	SPARES AND REPAIR PARTS .....	424,405	626,005
	Navy UFR—DDG-1000 and CVN-78 Dual Band Radar spares .....		[108,900]
	Navy UFR—Maritime outfitting and interim spares .....		[92,700]
	<b>TOTAL OTHER PROCUREMENT, NAVY</b>	<b>10,875,912</b>	<b>11,520,112</b>
	<b>PROCUREMENT, MARINE CORPS</b>		
	<b>TRACKED COMBAT VEHICLES</b>		
1	AAV7A1 PIP .....	36,836	36,836
2	AMPHIBIOUS COMBAT VEHICLE FAMILY OF VEHICLES .....	532,355	532,355
3	LAV PIP .....	23,476	23,476
	<b>ARTILLERY AND OTHER WEAPONS</b>		
4	155MM LIGHTWEIGHT TOWED HOWITZER .....	32	32

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>Senate Authorized</b>
5	ARTILLERY WEAPONS SYSTEM .....	67,548	221,348
	Marine Corps UFR—Ground-launched anti-ship missiles .....		[57,800]
	Marine Corps UFR—Ground-launched long range fires .....		[96,000]
6	WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION .....	35,402	35,402
	<b>GUIDED MISSILES</b>		
8	GROUND BASED AIR DEFENSE .....	9,349	9,349
9	ANTI-ARMOR MISSILE-JAVELIN .....	937	937
10	FAMILY ANTI-ARMOR WEAPON SYSTEMS (FOAAWS) .....	20,481	20,481
11	ANTI-ARMOR MISSILE-TOW .....	14,359	14,359
12	GUIDED MLRS ROCKET (GMLRS) .....	98,299	98,299
	<b>COMMAND AND CONTROL SYSTEMS</b>		
13	COMMON AVIATION COMMAND AND CONTROL SYSTEM (C .....	18,247	18,247
	<b>REPAIR AND TEST EQUIPMENT</b>		
14	REPAIR AND TEST EQUIPMENT .....	33,554	33,554
	<b>OTHER SUPPORT (TEL)</b>		
15	MODIFICATION KITS .....	167	167
	<b>COMMAND AND CONTROL SYSTEM (NON-TEL)</b>		
16	ITEMS UNDER \$5 MILLION (COMM & ELEC) .....	64,879	133,779
	Marine Corps UFR—Fly-Away Broadcast System .....		[9,000]
	Marine Corps UFR—INOD Block III long-range sight .....		[16,900]
	Marine Corps UFR—Squad binocular night vision goggle .....		[43,000]
17	AIR OPERATIONS C2 SYSTEMS .....	1,291	3,291
	Marine Corps UFR—CEC (AN/USG-4B) .....		[2,000]
	<b>RADAR + EQUIPMENT (NON-TEL)</b>		
19	GROUND/AIR TASK ORIENTED RADAR (G/ATOR) .....	297,369	645,369
	Marine Corps UFR—Additional G/ATOR units .....		[304,000]
	Marine Corps UFR—Additional radar retrofit kits and FRP systems .....		[44,000]
	<b>INTELL/COMM EQUIPMENT (NON-TEL)</b>		
20	GCSB-MC .....	604	604
21	FIRE SUPPORT SYSTEM .....	39,810	39,810
22	INTELLIGENCE SUPPORT EQUIPMENT .....	67,309	72,909
	Marine Corps UFR—SCINet equipment .....		[5,600]
24	UNMANNED AIR SYSTEMS (INTEL) .....	24,299	24,299
25	DCGS-MC .....	28,633	28,633
26	UAS PAYLOADS .....	3,730	3,730
	<b>OTHER SUPPORT (NON-TEL)</b>		
29	NEXT GENERATION ENTERPRISE NETWORK (NGEN) .....	97,060	116,060
	Marine Corps UFR—Network infrastructure compliance/NGEN .....		[19,000]
30	COMMON COMPUTER RESOURCES .....	83,606	97,406
	Marine Corps UFR—MC Hardware Suite End User Devices refresh .....		[6,300]
	Marine Corps UFR—Secure Operational Network Infrastructure and Communications .....		[7,500]
31	COMMAND POST SYSTEMS .....	53,708	53,708
32	RADIO SYSTEMS .....	468,678	468,678
33	COMM SWITCHING & CONTROL SYSTEMS .....	49,600	49,600
34	COMM & ELEC INFRASTRUCTURE SUPPORT .....	110,835	116,635
	Marine Corps UFR—Base telecommunications equipment upgrades .....		[5,800]
35	CYBERSPACE ACTIVITIES .....	25,377	46,577
	Marine Corps UFR—Defensive Cyber Ops-Internal Defensive Measures suites .....		[21,200]
	<b>CLASSIFIED PROGRAMS</b>		
9999	CLASSIFIED PROGRAMS .....	4,034	4,034
	<b>ADMINISTRATIVE VEHICLES</b>		
38	COMMERCIAL CARGO VEHICLES .....	17,848	17,848
	<b>TACTICAL VEHICLES</b>		
39	MOTOR TRANSPORT MODIFICATIONS .....	23,363	23,363
40	JOINT LIGHT TACTICAL VEHICLE .....	322,013	322,013
42	TRAILERS .....	9,876	9,876
	<b>ENGINEER AND OTHER EQUIPMENT</b>		
44	TACTICAL FUEL SYSTEMS .....	2,161	2,161
45	POWER EQUIPMENT ASSORTED .....	26,625	26,625
46	AMPHIBIOUS SUPPORT EQUIPMENT .....	17,119	17,119
47	EOD SYSTEMS .....	94,472	107,672
	Marine Corps UFR—BCWD/UnSAT/Explosive Hazard Defeat Systems .....		[7,800]
	Marine Corps UFR—ENFIRE/Explosive Hazard Defeat Systems .....		[5,400]
	<b>MATERIALS HANDLING EQUIPMENT</b>		
48	PHYSICAL SECURITY EQUIPMENT .....	84,513	84,513
	<b>GENERAL PROPERTY</b>		
49	FIELD MEDICAL EQUIPMENT .....	8,105	8,105
50	TRAINING DEVICES .....	37,814	37,814
51	FAMILY OF CONSTRUCTION EQUIPMENT .....	34,658	50,458
	Marine Corps UFR—All-terrain crane .....		[10,800]
	Marine Corps UFR—Rough terrain container handler .....		[5,000]
52	ULTRA-LIGHT TACTICAL VEHICLE (ULTV) .....	15,439	15,439
	<b>OTHER SUPPORT</b>		
53	ITEMS LESS THAN \$5 MILLION .....	4,402	15,002
	Marine Corps UFR—Lightweight water purification system .....		[10,600]
	<b>SPARES AND REPAIR PARTS</b>		
54	SPARES AND REPAIR PARTS .....	32,819	32,819

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2022 Request	Senate Authorized
	<b>TOTAL PROCUREMENT, MARINE CORPS</b>	<b>3,043,091</b>	<b>3,720,791</b>
	<b>AIRCRAFT PROCUREMENT, AIR FORCE</b>		
	<b>STRATEGIC OFFENSIVE</b>		
1	B-21 RAIDER	108,027	108,027
	<b>TACTICAL FORCES</b>		
2	F-35	4,167,604	4,427,604
	Air Force UFR—F-35 power modules		[175,000]
	Program increase		[85,000]
3	F-35	352,632	352,632
5	F-15EX	1,186,903	1,762,903
	Air Force UFR—Additional aircraft, spares, support equipment		[576,000]
6	F-15EX	147,919	147,919
	<b>TACTICAL AIRLIFT</b>		
7	KC-46A MDAP	2,380,315	2,380,315
	<b>OTHER AIRLIFT</b>		
8	C-130J	128,896	128,896
9	MC-130J	220,049	220,049
	<b>UPT TRAINERS</b>		
11	ADVANCED TRAINER REPLACEMENT T-X	10,397	10,397
	<b>HELICOPTERS</b>		
12	MH-139A	0	75,000
	Program increase		[75,000]
13	COMBAT RESCUE HELICOPTER	792,221	792,221
	<b>MISSION SUPPORT AIRCRAFT</b>		
16	CIVIL AIR PATROL A/C	2,813	2,813
	<b>OTHER AIRCRAFT</b>		
17	TARGET DRONES	116,169	116,169
19	E-11 BACN/HAG	124,435	124,435
21	MQ-9	3,288	103,288
	Additional aircraft		[100,000]
	<b>STRATEGIC AIRCRAFT</b>		
23	B-2A	29,944	29,944
24	B-1B	30,518	30,518
25	B-52	82,820	86,820
	B-52 training system		[4,000]
26	COMBAT RESCUE HELICOPTER	61,191	61,191
27	LARGE AIRCRAFT INFRARED COUNTERMEASURES	57,001	57,001
	<b>TACTICAL AIRCRAFT</b>		
28	A-10	83,621	83,621
29	E-11 BACN/HAG	68,955	68,955
30	F-15	234,340	234,340
31	F-16	613,166	638,166
	F-16 AESAs		[25,000]
32	F-22A	424,722	424,722
33	F-35 MODIFICATIONS	304,135	1,974,885
	F-35 upgrades to Block 4		[1,670,750]
34	F-15 EPAW	149,797	149,797
36	KC-46A MDAP	1,984	1,984
	<b>AIRLIFT AIRCRAFT</b>		
37	C-5	25,431	25,431
38	C-17A	59,570	59,570
40	C-32A	1,949	1,949
41	C-37A	5,984	5,984
	<b>TRAINER AIRCRAFT</b>		
42	GLIDER MODS	142	142
43	T-6	8,735	8,735
44	T-1	3,872	3,872
45	T-38	49,851	49,851
	<b>OTHER AIRCRAFT</b>		
46	U-2 MODS	126,809	126,809
47	KC-10A (ATCA)	1,902	1,902
49	VC-25A MOD	96	96
50	C-40	262	262
51	C-130	29,071	29,071
52	C-130J MODS	110,784	110,784
53	C-135	61,376	61,376
54	COMPASS CALL	195,098	270,098
	Air Force UFR—Additional spare engines		[75,000]
56	RC-135	207,596	207,596
57	E-3	109,855	109,855
58	E-4	19,081	19,081
59	E-8	16,312	16,312
60	AIRBORNE WARNING AND CNTRL SYS (AWACS) 40/45	30,327	30,327
62	H-1	1,533	1,533
63	H-60	13,709	13,709
64	RQ-4 MODS	3,205	3,205
65	HC/MC-130 MODIFICATIONS	150,263	150,263

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2022 Request	Senate Authorized
66	OTHER AIRCRAFT .....	54,828	54,828
67	MQ-9 MODS .....	144,287	144,287
68	MQ-9 UAS PAYLOADS .....	40,800	40,800
69	SENIOR LEADER C3, SYSTEM—AIRCRAFT .....	23,554	23,554
70	CV-22 MODS .....	158,162	240,562
	SOCOM UFR—CV-22 reliability acceleration .....		[82,400]
	<b>AIRCRAFT SPARES AND REPAIR PARTS</b>		
71	INITIAL SPARES/REPAIR PARTS .....	915,710	915,710
	<b>COMMON SUPPORT EQUIPMENT</b>		
72	AIRCRAFT REPLACEMENT SUPPORT EQUIP .....	138,761	138,761
	<b>POST PRODUCTION SUPPORT</b>		
73	B-2A .....	1,651	1,651
74	B-2B .....	38,811	38,811
75	B-52 .....	5,602	5,602
78	F-15 .....	2,324	2,324
79	F-16 .....	10,456	10,456
81	RQ-4 POST PRODUCTION CHARGES .....	24,592	24,592
	<b>INDUSTRIAL PREPAREDNESS</b>		
82	INDUSTRIAL RESPONSIVENESS .....	18,110	18,110
	<b>WAR CONSUMABLES</b>		
83	WAR CONSUMABLES .....	35,866	35,866
	<b>OTHER PRODUCTION CHARGES</b>		
84	OTHER PRODUCTION CHARGES .....	979,388	979,388
	<b>CLASSIFIED PROGRAMS</b>		
9999	CLASSIFIED PROGRAMS .....	18,092	18,092
	<b>TOTAL AIRCRAFT PROCUREMENT, AIR FORCE</b> .....	<b>15,727,669</b>	<b>18,595,819</b>
	<b>MISSILE PROCUREMENT, AIR FORCE</b>		
	<b>MISSILE REPLACEMENT EQUIPMENT—BALLISTIC</b>		
1	MISSILE REPLACEMENT EQ-BALLISTIC .....	57,793	57,793
	<b>BALLISTIC MISSILES</b>		
2	GROUND BASED STRATEGIC DETERRENT .....	8,895	8,895
	<b>TACTICAL</b>		
3	REPLAC EQUIP & WAR CONSUMABLES .....	7,681	7,681
4	AGM-183A AIR-LAUNCHED RAPID RESPONSE WEAPON .....	160,850	160,850
6	JOINT AIR-SURFACE STANDOFF MISSILE .....	710,550	710,550
8	SIDEWINDER (AIM-9X) .....	107,587	107,587
9	AMRAAM .....	214,002	214,002
10	PREDATOR HELLFIRE MISSILE .....	103,684	103,684
11	SMALL DIAMETER BOMB .....	82,819	82,819
12	SMALL DIAMETER BOMB II .....	294,649	294,649
	<b>INDUSTRIAL FACILITIES</b>		
13	INDUSTRIAL PREPAREDNESS/POL PREVENTION .....	757	757
	<b>CLASS IV</b>		
15	ICBM FUZE MOD .....	53,013	65,263
	Realignment of funds .....		[12,250]
16	ICBM FUZE MOD .....	47,757	35,507
	Realignment of funds .....		[-12,250]
17	MM III MODIFICATIONS .....	88,579	88,579
19	AIR LAUNCH CRUISE MISSILE (ALCM) .....	46,799	46,799
	<b>MISSILE SPARES AND REPAIR PARTS</b>		
20	MSL SPRS/REPAIR PARTS (INITIAL) .....	16,212	16,212
21	MSL SPRS/REPAIR PARTS (REPLEN) .....	63,547	63,547
22	INITIAL SPARES/REPAIR PARTS .....	4,045	4,045
	<b>SPECIAL PROGRAMS</b>		
27	SPECIAL UPDATE PROGRAMS .....	30,352	30,352
	<b>CLASSIFIED PROGRAMS</b>		
9999	CLASSIFIED PROGRAMS .....	570,240	570,240
	<b>TOTAL MISSILE PROCUREMENT, AIR FORCE</b> .....	<b>2,669,811</b>	<b>2,669,811</b>
	<b>PROCUREMENT, SPACE FORCE</b>		
	<b>SPACE PROCUREMENT, SF</b>		
2	AF SATELLITE COMM SYSTEM .....	43,655	43,655
3	COUNTERSPACE SYSTEMS .....	64,804	64,804
4	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS .....	39,444	39,444
5	GENERAL INFORMATION TECH—SPACE .....	3,316	13,116
	Space Force UFR—Long duration propulsive national security space launch secondary payload adapter .....		[8,000]
	Space Force UFR—Modernize space aggressor equipment .....		[1,800]
6	GPSIII FOLLOW ON .....	601,418	601,418
7	GPS III SPACE SEGMENT .....	84,452	84,452
8	GLOBAL POSITIONING (SPACE) .....	2,274	2,274
9	HERITAGE TRANSITION .....	13,529	13,529
10	SPACEBORNE EQUIP (COMSEC) .....	26,245	48,945
	Space Force UFR—Space-rated crypto devices to support launch .....		[22,700]
11	MILSATCOM .....	24,333	24,333
12	SBIR HIGH (SPACE) .....	154,526	154,526
13	SPECIAL SPACE ACTIVITIES .....	142,188	142,188

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>Senate Authorized</b>
14	MOBILE USER OBJECTIVE SYSTEM .....	45,371	45,371
15	NATIONAL SECURITY SPACE LAUNCH .....	1,337,347	1,337,347
16	NUDET DETECTION SYSTEM .....	6,690	6,690
17	PTES HUB .....	7,406	7,406
18	ROCKET SYSTEMS LAUNCH PROGRAM .....	10,429	10,429
20	SPACE MODS .....	64,371	64,371
21	SPACELIFT RANGE SYSTEM SPACE .....	93,774	93,774
	<b>SPARES</b>		
22	SPARES AND REPAIR PARTS .....	1,282	1,282
	<b>TOTAL PROCUREMENT, SPACE FORCE</b> .....	<b>2,766,854</b>	<b>2,799,354</b>
	<b>PROCUREMENT OF AMMUNITION, AIR FORCE</b>		
	<b>ROCKETS</b>		
1	ROCKETS .....	36,597	36,597
	<b>CARTRIDGES</b>		
2	CARTRIDGES .....	169,163	169,163
	<b>BOMBS</b>		
3	PRACTICE BOMBS .....	48,745	48,745
4	GENERAL PURPOSE BOMBS .....	176,565	176,565
5	MASSIVE ORDNANCE PENETRATOR (MOP) .....	15,500	15,500
6	JOINT DIRECT ATTACK MUNITION .....	124,102	124,102
7	B-61 .....	2,709	2,709
	<b>OTHER ITEMS</b>		
8	CAD/PAD .....	47,210	47,210
9	EXPLOSIVE ORDNANCE DISPOSAL (EOD) .....	6,151	6,151
10	SPARES AND REPAIR PARTS .....	535	535
11	MODIFICATIONS .....	292	292
12	ITEMS LESS THAN \$5,000,000 .....	9,164	9,164
	<b>FLARES</b>		
13	FLARES .....	95,297	95,297
	<b>FUZES</b>		
14	FUZES .....	50,795	50,795
	<b>SMALL ARMS</b>		
15	SMALL ARMS .....	12,343	12,343
	<b>TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE</b> .....	<b>795,168</b>	<b>795,168</b>
	<b>OTHER PROCUREMENT, AIR FORCE</b>		
	<b>PASSENGER CARRYING VEHICLES</b>		
1	PASSENGER CARRYING VEHICLES .....	8,448	8,448
	<b>CARGO AND UTILITY VEHICLES</b>		
2	MEDIUM TACTICAL VEHICLE .....	5,804	5,804
3	CAP VEHICLES .....	1,066	1,066
4	CARGO AND UTILITY VEHICLES .....	57,459	61,959
	CNGB UFR—Security forces utility task vehicle .....		[4,500]
	<b>SPECIAL PURPOSE VEHICLES</b>		
5	JOINT LIGHT TACTICAL VEHICLE .....	97,326	97,326
6	SECURITY AND TACTICAL VEHICLES .....	488	488
7	SPECIAL PURPOSE VEHICLES .....	75,694	81,094
	CNGB UFR—Temperature control trailers .....		[5,400]
	<b>FIRE FIGHTING EQUIPMENT</b>		
8	FIRE FIGHTING/CRASH RESCUE VEHICLES .....	12,525	12,525
	<b>MATERIALS HANDLING EQUIPMENT</b>		
9	MATERIALS HANDLING VEHICLES .....	34,933	34,933
	<b>BASE MAINTENANCE SUPPORT</b>		
10	RUNWAY SNOW REMOV AND CLEANING EQU .....	9,134	9,134
11	BASE MAINTENANCE SUPPORT VEHICLES .....	111,820	111,820
	<b>COMM SECURITY EQUIPMENT(COMSEC)</b>		
13	COMSEC EQUIPMENT .....	66,022	66,022
14	STRATEGIC MICROELECTRONIC SUPPLY SYSTEM .....	885,051	885,051
	<b>INTELLIGENCE PROGRAMS</b>		
15	INTERNATIONAL INTEL TECH & ARCHITECTURES .....	5,809	5,809
16	INTELLIGENCE TRAINING EQUIPMENT .....	5,719	5,719
17	INTELLIGENCE COMM EQUIPMENT .....	25,844	25,844
	<b>ELECTRONICS PROGRAMS</b>		
18	AIR TRAFFIC CONTROL & LANDING SYS .....	44,516	52,516
	Air Force UFR—Build command and control framework .....		[8,000]
19	BATTLE CONTROL SYSTEM—FIXED .....	2,940	2,940
20	THEATER AIR CONTROL SYS IMPROVEMEN .....	43,442	47,842
	EUCOM UFR—Air base air defenses ops center .....		[4,400]
21	3D EXPEDITIONARY LONG-RANGE RADAR .....	96,186	248,186
	Air Force UFR—Build command and control framework .....		[152,000]
22	WEATHER OBSERVATION FORECAST .....	32,376	32,976
	Space Force UFR—Thule Air Base wind profiler .....		[600]
23	STRATEGIC COMMAND AND CONTROL .....	37,950	37,950
24	CHEYENNE MOUNTAIN COMPLEX .....	8,258	8,258
25	MISSION PLANNING SYSTEMS .....	14,717	14,717
	<b>SPCL COMM-ELECTRONICS PROJECTS</b>		
27	GENERAL INFORMATION TECHNOLOGY .....	43,917	88,247

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>Senate Authorized</b>
	EUCOM UFR—Mission Partner Environment .....		[13,800]
	INDOPACOM UFR—Mission Partner Environment .....		[30,530]
28	AF GLOBAL COMMAND & CONTROL SYS .....	414	414
30	MOBILITY COMMAND AND CONTROL .....	10,619	10,619
31	AIR FORCE PHYSICAL SECURITY SYSTEM .....	101,896	116,797
	EUCOM UFR—Counter-UAS for UASFE installations .....		[1,241]
	EUCOM UFR—Sensors for air base air defense .....		[11,660]
	Space Force UFR—Maui Optical Site security system .....		[2,000]
32	COMBAT TRAINING RANGES .....	222,598	222,598
33	COMBAT TRAINING RANGES .....	14,730	14,730
34	MINIMUM ESSENTIAL EMERGENCY COMM N .....	77,119	77,119
35	WIDE AREA SURVEILLANCE (WAS) .....	38,794	38,794
36	C3 COUNTERMEASURES .....	131,238	131,238
37	INTEGRATED PERSONNEL AND PAY SYSTEM .....	15,240	15,240
38	GCSS-AF FOS .....	3,959	3,959
40	MAINTENANCE REPAIR & OVERHAUL INITIATIVE .....	4,387	4,387
41	THEATER BATTLE MGT C2 SYSTEM .....	4,052	4,052
42	AIR & SPACE OPERATIONS CENTER (AOC) .....	2,224	2,224
	<b>AIR FORCE COMMUNICATIONS</b>		
43	BASE INFORMATION TRANSP T INFRAST (BITI) WIRED .....	58,499	58,499
44	AFNET .....	65,354	65,354
45	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) .....	4,377	4,377
46	USCENTCOM .....	18,101	18,101
47	USSTRATCOM .....	4,226	4,226
	<b>ORGANIZATION AND BASE</b>		
48	TACTICAL C-E EQUIPMENT .....	162,955	162,955
49	RADIO EQUIPMENT .....	14,232	15,732
	Space Force UFR—radio equipment .....		[1,500]
51	BASE COMM INFRASTRUCTURE .....	200,797	264,297
	EUCOM UFR—Modernize IT infrastructure .....		[55,000]
	Space Force UFR—Emergency 911 rech refresh .....		[1,200]
	Space Force UFR—Lifecycle SIPR/NIP replacement .....		[7,000]
	Space Force UFR—Maui Optical Site resilient comms .....		[300]
	<b>MODIFICATIONS</b>		
52	COMM ELECT MODS .....	18,607	18,607
	<b>PERSONAL SAFETY &amp; RESCUE EQUIP</b>		
53	PERSONAL SAFETY AND RESCUE EQUIPMENT .....	106,449	131,449
	CNGB UFR—Critical care air transport team .....		[9,500]
	CNGB UFR—Tactical combat casualty care medical kit .....		[15,500]
	<b>DEPOT PLANT+MTRLS HANDLING EQ</b>		
54	POWER CONDITIONING EQUIPMENT .....	11,274	11,274
55	MECHANIZED MATERIAL HANDLING EQUIP .....	8,594	8,594
	<b>BASE SUPPORT EQUIPMENT</b>		
56	BASE PROCURED EQUIPMENT .....	1	83,251
	CNGB UFR—Modular small arms ranges .....		[75,000]
	EUCOM UFR—Tactical decoy devices .....		[8,250]
57	ENGINEERING AND EOD EQUIPMENT .....	32,139	32,139
58	MOBILITY EQUIPMENT .....	63,814	131,014
	CNGB UFR—Aeromedical evacuation equipment kit .....		[3,200]
	CNGB UFR—Disaster relief mobile kitchen trailers .....		[22,500]
	CNGB UFR—Oxygen generation system .....		[3,000]
	CNGB UFR—Rapid response shelters .....		[7,500]
	CNGB UFR—Security forces modular ballistic protection system .....		[31,000]
59	FUELS SUPPORT EQUIPMENT (FSE) .....	17,928	17,928
60	BASE MAINTENANCE AND SUPPORT EQUIPMENT .....	48,534	48,534
	<b>SPECIAL SUPPORT PROJECTS</b>		
62	DARP RC135 .....	27,359	27,359
63	DCGS-AF .....	261,070	261,070
65	SPECIAL UPDATE PROGRAM .....	777,652	777,652
	<b>CLASSIFIED PROGRAMS</b>		
9999	CLASSIFIED PROGRAMS .....	20,983,908	20,983,908
	<b>SPARES AND REPAIR PARTS</b>		
66	SPARES AND REPAIR PARTS (CYBER) .....	978	978
67	SPARES AND REPAIR PARTS .....	9,575	10,575
	Air Force UFR—Build command and control framework .....		[1,000]
	<b>TOTAL OTHER PROCUREMENT, AIR FORCE</b> .....	<b>25,251,137</b>	<b>25,726,718</b>
	<b>PROCUREMENT, DEFENSE WIDE</b>		
	<b>MAJOR EQUIPMENT, DCSA</b>		
2	MAJOR EQUIPMENT .....	3,014	3,014
	<b>MAJOR EQUIPMENT, DHRA</b>		
4	PERSONNEL ADMINISTRATION .....	4,042	4,042
	<b>MAJOR EQUIPMENT, DISA</b>		
10	INFORMATION SYSTEMS SECURITY .....	18,923	18,923
11	TELEPORT PROGRAM .....	34,908	34,908
12	JOINT FORCES HEADQUARTERS—DODIN .....	1,968	1,968
13	ITEMS LESS THAN \$5 MILLION .....	42,270	42,270
14	DEFENSE INFORMATION SYSTEM NETWORK .....	18,025	18,025

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2022 Request	Senate Authorized
15	WHITE HOUSE COMMUNICATION AGENCY .....	44,522	44,522
16	SENIOR LEADERSHIP ENTERPRISE .....	54,592	54,592
17	JOINT REGIONAL SECURITY STACKS (JRSS) .....	62,657	62,657
18	JOINT SERVICE PROVIDER .....	102,039	102,039
19	FOURTH ESTATE NETWORK OPTIMIZATION (4ENO) .....	80,645	80,645
	<b>MAJOR EQUIPMENT, DLA</b>		
21	MAJOR EQUIPMENT .....	530,896	530,896
	<b>MAJOR EQUIPMENT, DMACT</b>		
22	MAJOR EQUIPMENT .....	8,498	8,498
	<b>MAJOR EQUIPMENT, DODEA</b>		
23	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS .....	2,963	2,963
	<b>MAJOR EQUIPMENT, DPAA</b>		
24	MAJOR EQUIPMENT, DPAA .....	494	494
	<b>MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY</b>		
26	VEHICLES .....	118	118
27	OTHER MAJOR EQUIPMENT .....	12,681	12,681
	<b>MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY</b>		
29	THAAD .....	251,543	361,122
	MDA UFR—Additional interceptors .....		[109,579]
31	AEGIS BMD .....	334,621	334,621
32	AEGIS BMD .....	17,493	17,493
33	BMDS AN/TPY-2 RADARS .....	2,738	2,738
34	SM-3 ILLAS .....	295,322	336,322
	MDA UFR—Additional AURs .....		[41,000]
35	ARROW 3 UPPER TIER SYSTEMS .....	62,000	62,000
36	SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD) .....	30,000	30,000
37	DEFENSE OF GUAM PROCUREMENT .....	40,000	117,220
	INDOPACOM UFR—Guam Defense System .....		[77,220]
38	AEGIS ASHORE PHASE III .....	25,866	25,866
39	IRON DOME .....	108,000	108,000
40	AEGIS BMD HARDWARE AND SOFTWARE .....	81,791	81,791
	<b>MAJOR EQUIPMENT, NSA</b>		
46	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP) .....	315	315
	<b>MAJOR EQUIPMENT, OSD</b>		
47	MAJOR EQUIPMENT, OSD .....	31,420	31,420
	<b>MAJOR EQUIPMENT, SDA</b>		
48	JOINT CAPABILITY TECH DEMONSTRATION (JCTD) .....	74,060	74,060
	<b>MAJOR EQUIPMENT, TJS</b>		
49	MAJOR EQUIPMENT, TJS .....	7,830	7,830
	<b>CLASSIFIED PROGRAMS</b>		
9999	CLASSIFIED PROGRAMS .....	635,338	635,338
	<b>AVIATION PROGRAMS</b>		
52	ARMED OVERWATCH/TARGETING .....	170,000	170,000
53	MANNED ISR .....	2,500	2,500
54	MC-12 .....	2,250	2,250
55	MH-60 BLACKHAWK .....	29,900	29,900
56	ROTARY WING UPGRADES AND SUSTAINMENT .....	202,278	202,278
57	UNMANNED ISR .....	55,951	55,951
58	NON-STANDARD AVIATION .....	3,282	3,282
59	U-28 .....	4,176	4,176
60	MH-47 CHINOOK .....	130,485	130,485
61	CV-22 MODIFICATION .....	41,762	47,572
	SOCOM UFR—CV-22 reliability acceleration .....		[5,810]
62	MQ-9 UNMANNED AERIAL VEHICLE .....	8,020	8,020
63	PRECISION STRIKE PACKAGE .....	165,224	165,224
64	AC/MC-130J .....	205,216	205,216
65	C-130 MODIFICATIONS .....	13,373	13,373
	<b>SHIPBUILDING</b>		
66	UNDERWATER SYSTEMS .....	17,227	23,327
	SOCOM UFR—Combat diving advanced equipment acceleration .....		[5,200]
	SOCOM UFR—Modernized forward look sonar .....		[900]
	<b>AMMUNITION PROGRAMS</b>		
67	ORDNANCE ITEMS <\$5M .....	168,072	168,072
	<b>OTHER PROCUREMENT PROGRAMS</b>		
68	INTELLIGENCE SYSTEMS .....	131,889	131,889
69	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	5,991	5,991
70	OTHER ITEMS <\$5M .....	62,722	62,722
71	COMBATANT CRAFT SYSTEMS .....	17,080	17,080
72	SPECIAL PROGRAMS .....	44,351	75,531
	SOCOM UFR—Medium fixed wing mobility modifications .....		[31,180]
73	TACTICAL VEHICLES .....	26,806	26,806
74	WARRIOR SYSTEMS <\$5M .....	284,548	284,548
75	COMBAT MISSION REQUIREMENTS .....	27,513	27,513
77	OPERATIONAL ENHANCEMENTS INTELLIGENCE .....	20,252	20,252
78	OPERATIONAL ENHANCEMENTS .....	328,569	389,872
	SOCOM UFR—Armored ground mobility systems acceleration .....		[33,303]
	SOCOM UFR—Fused panoramic night vision goggles acceleration .....		[28,000]
	<b>CBDP</b>		



<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
<b>Line</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>Senate Authorized</b>
79	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS .....	167,918	167,918
80	CB PROTECTION & HAZARD MITIGATION .....	189,265	189,265
	<b>TOTAL PROCUREMENT, DEFENSE-WIDE .....</b>	<b>5,548,212</b>	<b>5,880,404</b>
	<b>TOTAL PROCUREMENT .....</b>	<b>132,205,078</b>	<b>144,054,529</b>

1 **TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**  
 2 **OPMENT, TEST, AND EVALUA-**  
 3 **TION**

4 **SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**  
 5 **TION.**

<b>SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION</b> (In Thousands of Dollars)				
<b>Line</b>	<b>Program Element</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>Senate Authorized</b>
<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY</b>				
<b>BASIC RESEARCH</b>				
1	0601102A	DEFENSE RESEARCH SCIENCES .....	297,241	297,241
2	0601103A	UNIVERSITY RESEARCH INITIATIVES .....	66,981	103,481
		Smart thread data exchange .....		[5,000]
		UAS propulsion research .....		[1,500]
		University research programs .....		[30,000]
3	0601104A	UNIVERSITY AND INDUSTRY RESEARCH CENTERS .....	94,003	94,003
4	0601121A	CYBER COLLABORATIVE RESEARCH ALLIANCE .....	5,067	5,067
5	0601601A	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASIC RESEARCH.	10,183	10,183
		<b>SUBTOTAL BASIC RESEARCH .....</b>	<b>473,475</b>	<b>509,975</b>
<b>APPLIED RESEARCH</b>				
6	0602115A	BIOMEDICAL TECHNOLOGY .....	11,925	11,925
7	0602134A	COUNTER IMPROVISED-THREAT ADVANCED STUDIES .....	1,976	1,976
8	0602141A	LETHALITY TECHNOLOGY .....	64,126	66,626
		Ceramic material systems for extreme environments .....		[2,500]
9	0602142A	ARMY APPLIED RESEARCH .....	28,654	28,654
10	0602143A	SOLDIER LETHALITY TECHNOLOGY .....	105,168	105,168
11	0602144A	GROUND TECHNOLOGY .....	56,400	67,400
		Earthen structures research .....		[3,000]
		Graphene applications for military engineering .....		[2,000]
		Polar research and testing .....		[4,000]
		Verified inherent control .....		[2,000]
12	0602145A	NEXT GENERATION COMBAT VEHICLE TECHNOLOGY .....	172,166	174,666
		Light detection and ranging (LiDAR) technology .....		[2,500]
13	0602146A	NETWORK C3I TECHNOLOGY .....	84,606	86,606
		UAS sensor research .....		[2,000]
14	0602147A	LONG RANGE PRECISION FIRES TECHNOLOGY .....	64,285	64,285
15	0602148A	FUTURE VERTICLE LIFT TECHNOLOGY .....	91,411	91,411
16	0602150A	AIR AND MISSILE DEFENSE TECHNOLOGY .....	19,316	47,316
		Counter-UAS applied research .....		[5,000]
		High energy laser research .....		[5,000]
		High energy laser support technology .....		[5,000]
		Kill chain automation for air and missile defense systems .....		[8,000]
		Secure computing capabilities .....		[5,000]
17	0602180A	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TECHNOLOGIES.	15,034	15,034
18	0602181A	ALL DOMAIN CONVERGENCE APPLIED RESEARCH .....	25,967	25,967
19	0602182A	C3I APPLIED RESEARCH .....	12,406	12,406
20	0602183A	AIR PLATFORM APPLIED RESEARCH .....	6,597	6,597
21	0602184A	SOLDIER APPLIED RESEARCH .....	11,064	18,564
		Military footwear research .....		[2,500]
		Pathfinder air assault .....		[5,000]
22	0602213A	C3I APPLIED CYBER .....	12,123	12,123
23	0602386A	BIOTECHNOLOGY FOR MATERIALS—APPLIED RESEARCH	20,643	20,643
24	0602785A	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY .....	18,701	18,701
25	0602787A	MEDICAL TECHNOLOGY .....	91,720	91,720
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>914,288</b>	<b>967,788</b>

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2022 Request	Senate Authorized
<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>				
26	0603002A	MEDICAL ADVANCED TECHNOLOGY .....	43,804	43,804
27	0603007A	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY.	14,273	14,273
28	0603025A	ARMY AGILE INNOVATION AND DEMONSTRATION .....	22,231	22,231
29	0603040A	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING ADVANCED TECHNOLOGIES.	909	909
30	0603041A	ALL DOMAIN CONVERGENCE ADVANCED TECHNOLOGY .....	17,743	17,743
31	0603042A	C3I ADVANCED TECHNOLOGY .....	3,151	3,151
32	0603043A	AIR PLATFORM ADVANCED TECHNOLOGY .....	754	754
33	0603044A	SOLDIER ADVANCED TECHNOLOGY .....	890	890
34	0603115A	MEDICAL DEVELOPMENT .....	26,521	26,521
35	0603116A	LETHALITY ADVANCED TECHNOLOGY .....	8,066	8,066
36	0603117A	ARMY ADVANCED TECHNOLOGY DEVELOPMENT .....	76,815	76,815
37	0603118A	SOLDIER LETHALITY ADVANCED TECHNOLOGY .....	107,966	107,966
38	0603119A	GROUND ADVANCED TECHNOLOGY .....	23,403	41,403
		Additive manufacturing capabilities for austere operating environments.		[15,000]
		Permafrost research .....		[3,000]
39	0603134A	COUNTER IMPROVISED-THREAT SIMULATION .....	24,747	24,747
40	0603386A	BIOTECHNOLOGY FOR MATERIALS—ADVANCED RESEARCH.	53,736	53,736
41	0603457A	C3I CYBER ADVANCED DEVELOPMENT .....	31,426	31,426
42	0603461A	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM.	189,123	194,123
		High performance computing modernization program .....		[5,000]
43	0603462A	NEXT GENERATION COMBAT VEHICLE ADVANCED TECHNOLOGY.	164,951	174,951
		Combat vehicle lithium battery development .....		[1,500]
		Cyber and connected vehicle integration research .....		[3,500]
		Robotics development .....		[5,000]
44	0603463A	NETWORK C3I ADVANCED TECHNOLOGY .....	155,867	142,867
		Command post modernization .....		[2,000]
		Network technology research .....		[-15,000]
45	0603464A	LONG RANGE PRECISION FIRES ADVANCED TECHNOLOGY	93,909	98,909
		Advanced guidance technology .....		[5,000]
46	0603465A	FUTURE VERTICAL LIFT ADVANCED TECHNOLOGY .....	179,677	188,177
		Future Long Range Assault Aircraft .....		[3,500]
		Future vertical lift 20mm chain gun .....		[5,000]
47	0603466A	AIR AND MISSILE DEFENSE ADVANCED TECHNOLOGY .....	48,826	48,826
48	0603920A	HUMANITARIAN DEMINING .....	8,649	8,649
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>1,297,437</b>	<b>1,330,937</b>
<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>				
49	0603305A	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION .....	11,702	11,702
50	0603308A	ARMY SPACE SYSTEMS INTEGRATION .....	18,755	18,755
52	0603619A	LANDMINE WARFARE AND BARRIER—ADV DEV .....	50,314	50,314
53	0603639A	TANK AND MEDIUM CALIBER AMMUNITION .....	79,873	79,873
54	0603645A	ARMORED SYSTEM MODERNIZATION—ADV DEV .....	170,590	170,590
55	0603747A	SOLDIER SUPPORT AND SURVIVABILITY .....	2,897	2,897
56	0603766A	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV.	113,365	113,365
57	0603774A	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT .....	18,000	21,804
		Army UFR—Soldier Maneuver Sensors .....		[3,804]
58	0603779A	ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL .....	11,921	11,921
59	0603790A	NATO RESEARCH AND DEVELOPMENT .....	3,777	3,777
60	0603801A	AVIATION—ADV DEV .....	1,125,641	1,125,641
61	0603804A	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV .....	7,055	7,055
62	0603807A	MEDICAL SYSTEMS—ADV DEV .....	22,071	22,071
63	0603827A	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT .....	17,459	20,359
		Development of anthropomorphic armor for female servicemembers ...		[2,900]
64	0604017A	ROBOTICS DEVELOPMENT .....	87,198	87,198
65	0604019A	EXPANDED MISSION AREA MISSILE (EMAM) .....	50,674	50,674
67	0604035A	LOW EARTH ORBIT (LEO) SATELLITE CAPABILITY .....	19,638	19,638
68	0604036A	MULTI-DOMAIN SENSING SYSTEM (MDSS) ADV DEV .....	50,548	50,548
69	0604037A	TACTICAL INTEL TARGETING ACCESS NODE (TITAN) ADV DEV.	28,347	28,347
70	0604100A	ANALYSIS OF ALTERNATIVES .....	10,091	10,091
71	0604101A	SMALL UNMANNED AERIAL VEHICLE (SUAV) (6.4) .....	926	926
72	0604113A	FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS).	69,697	75,697
		Army UFR—Acceleration of FTUAS .....		[6,000]
73	0604114A	LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR .....	327,690	327,690
74	0604115A	TECHNOLOGY MATURATION INITIATIVES .....	270,124	270,124
75	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD) .....	39,376	39,376

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2022 Request	Senate Authorized
76	0604119A	ARMY ADVANCED COMPONENT DEVELOPMENT & PROTOTYPING.	189,483	189,483
77	0604120A	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT) ..	96,679	96,679
78	0604121A	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT & PROTOTYPING.	194,195	198,795
		Synthetic training environment .....		[4,600]
79	0604134A	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING.	13,379	13,379
80	0604182A	HYPERSONICS .....	300,928	300,928
81	0604403A	FUTURE INTERCEPTOR .....	7,895	7,895
82	0604531A	COUNTER—SMALL UNMANNED AIRCRAFT SYSTEMS ADVANCED DEVELOPMENT.	19,148	19,148
83	0604541A	UNIFIED NETWORK TRANSPORT .....	35,409	35,409
84	0604644A	MOBILE MEDIUM RANGE MISSILE .....	286,457	286,457
85	0604785A	INTEGRATED BASE DEFENSE (BUDGET ACTIVITY 4) .....	2,040	2,040
86	0305251A	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT	52,988	52,988
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>3,806,330</b>	<b>3,823,634</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
89	0604201A	AIRCRAFT AVIONICS .....	6,654	6,654
90	0604270A	ELECTRONIC WARFARE DEVELOPMENT .....	30,840	30,840
91	0604601A	INFANTRY SUPPORT WEAPONS .....	67,873	67,873
92	0604604A	MEDIUM TACTICAL VEHICLES .....	11,374	11,374
93	0604611A	JAVELIN .....	7,094	7,094
94	0604622A	FAMILY OF HEAVY TACTICAL VEHICLES .....	31,602	31,602
95	0604633A	AIR TRAFFIC CONTROL .....	4,405	4,405
96	0604642A	LIGHT TACTICAL WHEELED VEHICLES .....	2,055	7,655
		Army UFR—Electric light reconnaissance vehicle .....		[5,600]
97	0604645A	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV ....	137,256	137,256
98	0604710A	NIGHT VISION SYSTEMS—ENG DEV .....	62,690	62,690
99	0604713A	COMBAT FEEDING, CLOTHING, AND EQUIPMENT .....	1,658	1,658
100	0604715A	NON-SYSTEM TRAINING DEVICES—ENG DEV .....	26,540	26,540
101	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV.	59,518	59,518
102	0604742A	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT ....	22,331	22,331
103	0604746A	AUTOMATIC TEST EQUIPMENT DEVELOPMENT .....	8,807	8,807
104	0604760A	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG DEV.	7,453	7,453
107	0604798A	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION .....	21,534	21,534
108	0604802A	WEAPONS AND MUNITIONS—ENG DEV .....	309,778	309,778
109	0604804A	LOGISTICS AND ENGINEER EQUIPMENT—ENG DEV .....	59,261	59,261
110	0604805A	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG DEV.	20,121	20,121
111	0604807A	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT—ENG DEV.	44,424	44,424
112	0604808A	LANDMINE WARFARE/BARRIER—ENG DEV .....	14,137	14,137
113	0604818A	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE.	162,704	162,704
114	0604820A	RADAR DEVELOPMENT .....	127,919	127,919
115	0604822A	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS)	17,623	17,623
117	0604827A	SOLDIER SYSTEMS—WARRIOR DEM/VAL .....	6,454	6,454
118	0604852A	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS—EMD.	106,354	127,354
		Army UFR—Active protection systems for Bradley and Stryker .....		[21,000]
120	0605013A	INFORMATION TECHNOLOGY DEVELOPMENT .....	122,168	122,168
121	0605018A	INTEGRATED PERSONNEL AND PAY SYSTEM—ARMY (IPPS-A).	76,936	76,936
122	0605028A	ARMORED MULTI-PURPOSE VEHICLE (AMPV) .....	35,560	35,560
124	0605030A	JOINT TACTICAL NETWORK CENTER (JTNC) .....	16,364	16,364
125	0605031A	JOINT TACTICAL NETWORK (JTN) .....	28,954	28,954
128	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM) .....	16,630	16,630
130	0605038A	NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHICLE (NBCRV) SENSOR SUITE.	7,618	7,618
131	0605041A	DEFENSIVE CYBER TOOL DEVELOPMENT .....	18,892	13,892
		Cyber situational understanding reduction .....		[-5,000]
132	0605042A	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER) .....	28,849	28,849
133	0605047A	CONTRACT WRITING SYSTEM .....	22,960	12,960
		Program reduction .....		[-10,000]
135	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT .....	65,603	65,603
136	0605052A	INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1	233,512	233,512
137	0605053A	GROUND ROBOTICS .....	18,241	18,241
138	0605054A	EMERGING TECHNOLOGY INITIATIVES .....	254,945	254,945
139	0605143A	BIOMETRICS ENABLING CAPABILITY (BEC) .....	4,326	4,326
140	0605144A	NEXT GENERATION LOAD DEVICE—MEDIUM .....	15,616	15,616
141	0605145A	MEDICAL PRODUCTS AND SUPPORT SYSTEMS DEVELOPMENT.	962	962
142	0605148A	TACTICAL INTEL TARGETING ACCESS NODE (TITAN) EMD	54,972	54,972

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143	0605203A	ARMY SYSTEM DEVELOPMENT & DEMONSTRATION .....	122,175	122,175
144	0605205A	SMALL UNMANNED AERIAL VEHICLE (SUAV) (6.5) .....	2,275	2,275
145	0605224A	MULTI-DOMAIN INTELLIGENCE .....	9,313	9,313
146	0605225A	SIO CAPABILITY DEVELOPMENT .....	22,713	22,713
147	0605231A	PRECISION STRIKE MISSILE (PRSM) .....	188,452	188,452
148	0605232A	HYPERSONICS EMD .....	111,473	111,473
149	0605233A	ACCESSIONS INFORMATION ENVIRONMENT (AIE) .....	18,790	18,790
150	0605450A	JOINT AIR-TO-GROUND MISSILE (JAGM) .....	2,134	2,134
151	0605457A	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD) ..	157,873	157,873
152	0605531A	COUNTER—SMALL UNMANNED AIRCRAFT SYSTEMS SYS DEV & DEMONSTRATION.	33,386	33,386
153	0605625A	MANNED GROUND VEHICLE .....	225,106	225,106
154	0605766A	NATIONAL CAPABILITIES INTEGRATION (MIP) .....	14,454	14,454
155	0605812A	JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH.	2,564	2,564
156	0605830A	AVIATION GROUND SUPPORT EQUIPMENT .....	1,201	1,201
157	0303032A	TROJAN—RH12 .....	3,362	3,362
161	0304270A	ELECTRONIC WARFARE DEVELOPMENT .....	75,520	92,360
		Army UFR—Terrestrial Layer System (TLS) Echelon Above Brigade (EAB).		[16,840]
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>3,392,358</b>	<b>3,420,798</b>
		<b>MANAGEMENT SUPPORT</b>		
162	0604256A	THREAT SIMULATOR DEVELOPMENT .....	18,439	18,439
163	0604258A	TARGET SYSTEMS DEVELOPMENT .....	17,404	17,404
164	0604759A	MAJOR T&E INVESTMENT .....	68,139	68,139
165	0605103A	RAND ARROYO CENTER .....	33,126	33,126
166	0605301A	ARMY KWAJALEIN ATOLL .....	240,877	267,877
		Army UFR—Preserve Kwajalein Atoll quality of life .....		[27,000]
167	0605326A	CONCEPTS EXPERIMENTATION PROGRAM .....	79,710	79,710
169	0605601A	ARMY TEST RANGES AND FACILITIES .....	354,227	354,227
170	0605602A	ARMY TECHNICAL TEST INSTRUMENTATION AND TAR- GETS.	49,253	49,253
171	0605604A	SURVIVABILITY/LETHALITY ANALYSIS .....	36,389	36,389
172	0605606A	AIRCRAFT CERTIFICATION .....	2,489	2,489
173	0605702A	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES .....	6,689	6,689
174	0605706A	MATERIEL SYSTEMS ANALYSIS .....	21,558	21,558
175	0605709A	EXPLOITATION OF FOREIGN ITEMS .....	13,631	13,631
176	0605712A	SUPPORT OF OPERATIONAL TESTING .....	55,122	55,122
177	0605716A	ARMY EVALUATION CENTER .....	65,854	65,854
178	0605718A	ARMY MODELING & SIM X-CMD COLLABORATION & INTEG	2,633	2,633
179	0605801A	PROGRAMWIDE ACTIVITIES .....	96,589	96,589
180	0605803A	TECHNICAL INFORMATION ACTIVITIES .....	26,808	26,808
181	0605805A	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY.	43,042	43,042
182	0605857A	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	1,789	1,789
183	0605898A	ARMY DIRECT REPORT HEADQUARTERS—R&D - MHA .....	52,108	52,108
185	0606002A	RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE.	80,952	80,952
186	0606003A	COUNTERINTEL AND HUMAN INTEL MODERNIZATION .....	5,363	5,363
187	0606105A	MEDICAL PROGRAM-WIDE ACTIVITIES .....	39,041	39,041
188	0606942A	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES.	5,466	5,466
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>1,416,698</b>	<b>1,443,698</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
190	0603778A	MLRS PRODUCT IMPROVEMENT PROGRAM .....	12,314	12,314
191	0605024A	ANTI-TAMPER TECHNOLOGY SUPPORT .....	8,868	8,868
192	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PRO- GRAMS.	22,828	22,828
194	0607136A	BLACKHAWK PRODUCT IMPROVEMENT PROGRAM .....	4,773	4,773
195	0607137A	CHINOOK PRODUCT IMPROVEMENT PROGRAM .....	52,372	70,372
		CH-47 Chinook cargo on/off loading system .....		[8,000]
		Program increase .....		[10,000]
196	0607139A	IMPROVED TURBINE ENGINE PROGRAM .....	275,024	275,024
197	0607142A	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT.	12,417	12,417
198	0607143A	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS ....	4,594	4,594
199	0607145A	APACHE FUTURE DEVELOPMENT .....	10,067	25,067
		Program increase .....		[15,000]
200	0607148A	AN/TPQ-53 COUNTERFIRE TARGET ACQUISITION RADAR SYSTEM.	56,681	56,681
201	0607150A	INTEL CYBER DEVELOPMENT .....	3,611	12,471
		Army UFR—Cyber-Info Dominance Center .....		[8,860]
202	0607312A	ARMY OPERATIONAL SYSTEMS DEVELOPMENT .....	28,029	28,029
203	0607313A	ELECTRONIC WARFARE DEVELOPMENT .....	5,673	5,673
204	0607665A	FAMILY OF BIOMETRICS .....	1,178	1,178

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205	0607865A	PATRIOT PRODUCT IMPROVEMENT .....	125,932	125,932
206	0203728A	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM (JADOCs).	25,547	25,547
207	0203735A	COMBAT VEHICLE IMPROVEMENT PROGRAMS .....	211,523	275,623
		Abrams tank modernization .....		[64,100]
208	0203743A	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS .....	213,281	213,281
210	0203752A	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	132	132
211	0203758A	DIGITIZATION .....	3,936	3,936
212	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM.	127	127
213	0203802A	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS .....	10,265	10,265
214	0205412A	ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM DEV.	262	262
215	0205456A	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM ..	182	182
216	0205778A	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS) .....	63,937	63,937
217	0208053A	JOINT TACTICAL GROUND SYSTEM .....	13,379	13,379
219	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES .....	24,531	24,531
220	0303140A	INFORMATION SYSTEMS SECURITY PROGRAM .....	15,720	10,720
		Identity, credentialing, and access management reduction .....		[-5,000]
221	0303141A	GLOBAL COMBAT SUPPORT SYSTEM .....	52,739	61,739
		Army UFR—ERP convergence/modernization .....		[9,000]
222	0303142A	SATCOM GROUND ENVIRONMENT (SPACE) .....	15,247	15,247
226	0305179A	INTEGRATED BROADCAST SERVICE (IBS) .....	5,430	5,430
227	0305204A	TACTICAL UNMANNED AERIAL VEHICLES .....	8,410	8,410
228	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS .....	24,460	24,460
233	0307665A	BIOMETRICS ENABLED INTELLIGENCE .....	2,066	2,066
234	0708045A	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES .....	61,720	61,720
999	9999999999	CLASSIFIED PROGRAMS .....	2,993	2,993
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</b>	<b>1,380,248</b>	<b>1,490,208</b>
		<b>SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS</b>		
237	0608041A	DEFENSIVE CYBER—SOFTWARE PROTOTYPE DEVELOPMENT.	118,811	118,811
		<b>SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.</b>	<b>118,811</b>	<b>118,811</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY.</b>	<b>12,799,645</b>	<b>13,105,849</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY</b>		
		<b>BASIC RESEARCH</b>		
1	0601103N	UNIVERSITY RESEARCH INITIATIVES .....	117,448	150,448
		High-performance computation and data equipment .....		[3,000]
		University research programs .....		[30,000]
3	0601153N	DEFENSE RESEARCH SCIENCES .....	484,421	484,421
		<b>SUBTOTAL BASIC RESEARCH</b> .....	<b>601,869</b>	<b>634,869</b>
		<b>APPLIED RESEARCH</b>		
4	0602114N	POWER PROJECTION APPLIED RESEARCH .....	23,013	26,013
		Graphene electro-active metamaterials .....		[3,000]
5	0602123N	FORCE PROTECTION APPLIED RESEARCH .....	122,888	127,888
		Relative positioning of autonomous platforms .....		[3,000]
		Resilient Innovative Sustainable Economies via University Partnerships (RISE-UP).		[2,000]
6	0602131M	MARINE CORPS LANDING FORCE TECHNOLOGY .....	51,112	51,112
7	0602235N	COMMON PICTURE APPLIED RESEARCH .....	51,477	51,477
8	0602236N	WARFIGHTER SUSTAINMENT APPLIED RESEARCH .....	70,547	76,047
		Anti-corrosion nanotechnologies .....		[3,000]
		Humanoid robotics research .....		[2,500]
9	0602271N	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH .....	85,157	85,157
10	0602435N	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH.	70,086	70,086
11	0602651M	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH .....	6,405	6,405
12	0602747N	UNDERSEA WARFARE APPLIED RESEARCH .....	57,484	79,484
		Undersea vehicle research academic partnerships .....		[12,000]
		Undersea warfare applied research .....		[10,000]
13	0602750N	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH .....	173,356	173,356
14	0602782N	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH.	32,160	32,160
15	0602792N	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH.	152,976	152,976
16	0602861N	SCIENCE AND TECHNOLOGY MANAGEMENT—ONR FIELD ACTIVITIES.	79,254	79,254
		<b>SUBTOTAL APPLIED RESEARCH</b> .....	<b>975,915</b>	<b>1,011,415</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
17	0603123N	FORCE PROTECTION ADVANCED TECHNOLOGY .....	21,661	21,661

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18	0603271N	ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY ...	8,146	8,146
19	0603640M	USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD) ..	224,155	244,455
		Marine Corps UFR—Maritime Targeting Cell-Expeditionary .....		[5,300]
		Marine Corps UFR—Unmanned adversary technology investment .....		[10,000]
		Unmanned systems interoperability .....		[5,000]
20	0603651M	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT.	13,429	13,429
21	0603673N	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT.	265,299	265,299
22	0603680N	MANUFACTURING TECHNOLOGY PROGRAM .....	57,236	57,236
23	0603729N	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY .....	4,935	4,935
24	0603758N	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS.	47,167	47,167
25	0603782N	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY.	1,981	1,981
26	0603801N	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY DEVELOPMENT.	133,779	113,779
		Naval prototypes reduction .....		[-20,000]
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>777,788</b>	<b>778,088</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
27	0603128N	UNMANNED AERIAL SYSTEM .....	16,879	61,879
		Marine Corps UFR—MQ-9 payload upgrade .....		[20,000]
		Medium-altitude, long-endurance manned-unmanned experimentation .....		[25,000]
28	0603178N	MEDIUM AND LARGE UNMANNED SURFACE VEHICLES (USVS).	144,846	144,846
29	0603207N	AIR/OCEAN TACTICAL APPLICATIONS .....	27,849	27,849
30	0603216N	AVIATION SURVIVABILITY .....	16,815	16,815
31	0603239N	NAVAL CONSTRUCTION FORCES .....	5,290	5,290
33	0603254N	ASW SYSTEMS DEVELOPMENT .....	17,612	17,612
34	0603261N	TACTICAL AIRBORNE RECONNAISSANCE .....	3,111	3,111
35	0603382N	ADVANCED COMBAT SYSTEMS TECHNOLOGY .....	32,310	32,310
36	0603502N	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES.	58,013	58,013
37	0603506N	SURFACE SHIP TORPEDO DEFENSE .....	1,862	1,862
38	0603512N	CARRIER SYSTEMS DEVELOPMENT .....	7,182	7,182
39	0603525N	PILOT FISH .....	408,087	484,687
		Navy UFR—Classified .....		[76,600]
40	0603527N	RETRACT LARCH .....	44,197	44,197
41	0603536N	RETRACT JUNIPER .....	144,541	144,541
42	0603542N	RADIOLOGICAL CONTROL .....	761	761
43	0603553N	SURFACE ASW .....	1,144	1,144
44	0603561N	ADVANCED SUBMARINE SYSTEM DEVELOPMENT .....	99,782	99,782
45	0603562N	SUBMARINE TACTICAL WARFARE SYSTEMS .....	14,059	14,059
46	0603563N	SHIP CONCEPT ADVANCED DESIGN .....	111,590	111,590
47	0603564N	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES .....	106,957	106,957
48	0603570N	ADVANCED NUCLEAR POWER SYSTEMS .....	203,572	203,572
49	0603573N	ADVANCED SURFACE MACHINERY SYSTEMS .....	78,122	78,122
50	0603576N	CHALK EAGLE .....	80,270	80,270
51	0603581N	LITTORAL COMBAT SHIP (LCS) .....	84,924	84,924
52	0603582N	COMBAT SYSTEM INTEGRATION .....	17,322	17,322
53	0603595N	OHIO REPLACEMENT .....	296,231	296,231
54	0603596N	LCS MISSION MODULES .....	75,995	75,995
55	0603597N	AUTOMATED TEST AND RE-TEST (ATRT) .....	7,805	7,805
56	0603599N	FRIGATE DEVELOPMENT .....	109,459	109,459
57	0603609N	CONVENTIONAL MUNITIONS .....	7,296	7,296
58	0603635M	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM .....	77,065	77,065
59	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT ...	34,785	34,785
60	0603713N	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT .....	8,774	8,774
61	0603721N	ENVIRONMENTAL PROTECTION .....	20,677	20,677
62	0603724N	NAVY ENERGY PROGRAM .....	33,824	33,824
63	0603725N	FACILITIES IMPROVEMENT .....	6,327	6,327
64	0603734N	CHALK CORAL .....	579,389	579,389
65	0603739N	NAVY LOGISTIC PRODUCTIVITY .....	669	669
66	0603746N	RETRACT MAPLE .....	295,295	295,295
67	0603748N	LINK PLUMERIA .....	692,280	692,280
68	0603751N	RETRACT ELM .....	83,904	83,904
69	0603764M	LINK EVERGREEN .....	221,253	264,453
		Marine Corps UFR—Additional development .....		[43,200]
71	0603790N	NATO RESEARCH AND DEVELOPMENT .....	5,805	5,805
72	0603795N	LAND ATTACK TECHNOLOGY .....	4,017	4,017
73	0603851M	JOINT NON-LETHAL WEAPONS TESTING .....	29,589	29,589
74	0603860N	JOINT PRECISION APPROACH AND LANDING SYSTEMS—DEM/VAL.	24,450	24,450
75	0603925N	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS .....	81,803	170,103
		Navy UFR—HELIOS SNLWS Increment 1.5 .....		[88,300]

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76	0604014N	F/A -18 INFRARED SEARCH AND TRACK (IRST) .....	48,793	48,793
77	0604027N	DIGITAL WARFARE OFFICE .....	46,769	58,269
		Navy UFR—Accelerate Naval Tactical Grid Development for Joint All-Domain Command and Control (JADC2).		[11,500]
78	0604028N	SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES ...	84,676	84,676
79	0604029N	UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES ...	59,299	59,299
81	0604031N	LARGE UNMANNED UNDERSEA VEHICLES .....	88,063	88,063
82	0604112N	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78—80).	121,509	121,509
83	0604126N	LITTORAL AIRBORNE MCM .....	18,669	18,669
84	0604127N	SURFACE MINE COUNTERMEASURES .....	13,655	13,655
85	0604272N	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM).	33,246	33,246
86	0604289M	NEXT GENERATION LOGISTICS .....	1,071	1,071
87	0604292N	FUTURE VERTICAL LIFT (MARITIME STRIKE) .....	9,825	9,825
88	0604320M	RAPID TECHNOLOGY CAPABILITY PROTOTYPE .....	6,555	6,555
89	0604454N	LX (R) .....	3,344	3,344
90	0604536N	ADVANCED UNDERSEA PROTOTYPING .....	58,473	58,473
91	0604636N	COUNTER UNMANNED AIRCRAFT SYSTEMS (C-UAS) .....	5,529	5,529
92	0604659N	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM ...	97,944	97,944
93	0604707N	SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINEERING SUPPORT.	9,340	9,340
94	0604786N	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT.	127,756	127,756
95	0605512N	MEDIUM UNMANNED SURFACE VEHICLES (MUSVS)) .....	60,028	60,028
96	0605513N	UNMANNED SURFACE VEHICLE ENABLING CAPABILITIES	170,838	170,838
97	0605514M	GROUND BASED ANTI-SHIP MISSILE (MARFORRES) .....	102,716	102,716
98	0605516M	LONG RANGE FIRES (MARFORRES) .....	88,479	88,479
99	0605518N	CONVENTIONAL PROMPT STRIKE (CPS) .....	1,372,340	1,498,340
		Navy UFR—Additional CPS development .....		[126,000]
100	0303354N	ASW SYSTEMS DEVELOPMENT—MIP .....	8,571	8,571
101	0304240M	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM .....	16,204	16,204
102	0304270N	ELECTRONIC WARFARE DEVELOPMENT—MIP .....	506	506
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>7,077,987</b>	<b>7,468,587</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
103	0603208N	TRAINING SYSTEM AIRCRAFT .....	5,864	5,864
104	0604212N	OTHER HELO DEVELOPMENT .....	56,444	56,444
105	0604214M	AV-8B AIRCRAFT—ENG DEV .....	10,146	10,146
106	0604215N	STANDARDS DEVELOPMENT .....	4,082	4,082
107	0604216N	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT ...	46,418	46,418
108	0604221N	P-3 MODERNIZATION PROGRAM .....	579	579
109	0604230N	WARFARE SUPPORT SYSTEM .....	10,167	10,167
110	0604231N	COMMAND AND CONTROL SYSTEMS .....	122,913	162,113
		Navy UFR—Naval Operational Business Logistics Enterprise (NOBLE).		[39,200]
111	0604234N	ADVANCED HAWKEYE .....	386,860	386,860
112	0604245M	H-1 UPGRADES .....	50,158	50,158
113	0604261N	ACOUSTIC SEARCH SENSORS .....	46,066	46,066
114	0604262N	V-22A .....	107,984	107,984
115	0604264N	AIR CREW SYSTEMS DEVELOPMENT .....	22,746	22,746
116	0604269N	EA-18 .....	68,425	68,425
117	0604270N	ELECTRONIC WARFARE DEVELOPMENT .....	139,535	151,535
		Marine Corps UFR—Integration of EM spectrum ops into AN/ALQ-231(V).		[6,500]
		Marine Corps UFR—Integration of multi-domain capabilities into AN/ALQ-231(V).		[5,500]
118	0604273M	EXECUTIVE HELO DEVELOPMENT .....	45,932	45,932
119	0604274N	NEXT GENERATION JAMMER (NGJ) .....	243,923	243,923
120	0604280N	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY) .....	234,434	242,734
		Navy UFR—Accelerate Naval Tactical Grid Development for Joint All-Domain Command and Control (JADC2).		[8,300]
121	0604282N	NEXT GENERATION JAMMER (NGJ) INCREMENT II .....	248,096	248,096
122	0604307N	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING ...	371,575	371,575
123	0604311N	LPD-17 CLASS SYSTEMS INTEGRATION .....	904	904
124	0604329N	SMALL DIAMETER BOMB (SDB) .....	46,769	46,769
125	0604366N	STANDARD MISSILE IMPROVEMENTS .....	343,511	343,511
126	0604373N	AIRBORNE MCM .....	10,881	10,881
127	0604378N	NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYSTEMS ENGINEERING.	46,121	59,121
		Stratospheric balloon research .....		[13,000]
128	0604419N	ADVANCED SENSORS APPLICATION PROGRAM (ASAP) .....	0	15,000
		Program increase .....		[15,000]
129	0604501N	ADVANCED ABOVE WATER SENSORS .....	77,852	77,852
130	0604503N	SSN-688 AND TRIDENT MODERNIZATION .....	95,693	95,693
131	0604504N	AIR CONTROL .....	27,499	27,499
132	0604512N	SHIPBOARD AVIATION SYSTEMS .....	8,924	8,924

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
Line	Program Element	Item	FY 2022 Request	Senate Authorized
133	0604518N	COMBAT INFORMATION CENTER CONVERSION .....	11,631	11,631
134	0604522N	AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM .....	96,556	96,556
135	0604530N	ADVANCED ARRESTING GEAR (AAG) .....	147	147
136	0604558N	NEW DESIGN SSN .....	503,252	503,252
137	0604562N	SUBMARINE TACTICAL WARFARE SYSTEM .....	62,115	62,115
138	0604567N	SHIP CONTRACT DESIGN/ LIVE FIRE T&E .....	54,829	54,829
139	0604574N	NAVY TACTICAL COMPUTER RESOURCES .....	4,290	4,290
140	0604601N	MINE DEVELOPMENT .....	76,027	76,027
141	0604610N	LIGHTWEIGHT TORPEDO DEVELOPMENT .....	94,386	94,386
142	0604654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT ...	8,348	8,348
143	0604657M	USMC GROUND COMBAT/SUPPORTING ARMS SYSTEMS— ENG DEV.	42,144	42,144
144	0604703N	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FAC- TORS.	7,375	7,375
146	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL) .....	149,433	149,433
147	0604756N	SHIP SELF DEFENSE (ENGAGE: HARD KILL) .....	87,862	87,862
148	0604757N	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW) .....	69,006	69,006
149	0604761N	INTELLIGENCE ENGINEERING .....	20,684	20,684
150	0604771N	MEDICAL DEVELOPMENT .....	3,967	3,967
151	0604777N	NAVIGATION/ID SYSTEM .....	48,837	48,837
152	0604800M	JOINT STRIKE FIGHTER (JSF)—EMD .....	577	577
153	0604800N	JOINT STRIKE FIGHTER (JSF)—EMD .....	262	262
154	0604850N	SSN(X) .....	29,829	55,629
		Navy UFR—SSN(X) non-propulsion development .....		[25,800]
155	0605013M	INFORMATION TECHNOLOGY DEVELOPMENT .....	11,277	11,277
156	0605013N	INFORMATION TECHNOLOGY DEVELOPMENT .....	243,828	233,828
		Contract writing systems reduction .....		[-10,000]
157	0605024N	ANTI-TAMPER TECHNOLOGY SUPPORT .....	8,426	8,426
158	0605180N	TACAMO MODERNIZATION .....	150,592	517,792
		Navy UFR—Acceleration of EC-130J-30 TACAMO Recapitalization		[367,200]
159	0605212M	CH-53K RDTE .....	256,903	256,903
160	0605215N	MISSION PLANNING .....	88,128	88,128
161	0605217N	COMMON AVIONICS .....	60,117	92,017
		Marine Corps UFR—MANGL Digital Interoperability .....		[31,900]
162	0605220N	SHIP TO SHORE CONNECTOR (SSC) .....	6,320	6,320
163	0605327N	T-AO 205 CLASS .....	4,336	4,336
164	0605414N	UNMANNED CARRIER AVIATION (UCA) .....	268,937	355,937
		Navy UFR—MQ-25 Emissions Control and Manned-Unmanned Teaming.		[87,000]
165	0605450M	JOINT AIR-TO-GROUND MISSILE (JAGM) .....	356	356
166	0605500N	MULTI-MISSION MARITIME AIRCRAFT (MMA) .....	27,279	27,279
167	0605504N	MULTI-MISSION MARITIME (MMA) INCREMENT III .....	173,784	173,784
168	0605611M	MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOP- MENT & DEMONSTRATION.	80,709	80,709
169	0605813M	JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVEL- OPMENT & DEMONSTRATION.	2,005	2,005
170	0204202N	DDG-1000 .....	112,576	112,576
174	0304785N	ISR & INFO OPERATIONS .....	136,140	136,140
175	0306250M	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT .....	26,318	26,318
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>	<b>5,910,089</b>	<b>6,499,489</b>
<b>MANAGEMENT SUPPORT</b>				
176	0604256N	THREAT SIMULATOR DEVELOPMENT .....	20,862	20,862
177	0604258N	TARGET SYSTEMS DEVELOPMENT .....	12,113	12,113
178	0604759N	MAJOR T&E INVESTMENT .....	84,617	84,617
179	0605152N	STUDIES AND ANALYSIS SUPPORT—NAVY .....	3,108	3,108
180	0605154N	CENTER FOR NAVAL ANALYSES .....	38,590	38,590
183	0605804N	TECHNICAL INFORMATION SERVICES .....	934	934
184	0605853N	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT ..	93,966	93,966
185	0605856N	STRATEGIC TECHNICAL SUPPORT .....	3,538	3,538
186	0605863N	RDT&E SHIP AND AIRCRAFT SUPPORT .....	135,149	135,149
187	0605864N	TEST AND EVALUATION SUPPORT .....	429,277	429,277
188	0605865N	OPERATIONAL TEST AND EVALUATION CAPABILITY .....	24,872	24,872
189	0605866N	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT	17,653	17,653
190	0605867N	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT .....	8,065	8,065
191	0605873M	MARINE CORPS PROGRAM WIDE SUPPORT .....	47,042	47,042
192	0605898N	MANAGEMENT HQ—R&D .....	35,614	35,614
193	0606355N	WARFARE INNOVATION MANAGEMENT .....	38,958	38,958
194	0305327N	INSIDER THREAT .....	2,581	2,581
195	0902498N	MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUP- PORT ACTIVITIES).	1,747	1,747
		<b>SUBTOTAL MANAGEMENT SUPPORT</b>	<b>998,686</b>	<b>998,686</b>
<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>				
199	0604840M	F-35 C2D2 .....	515,746	515,746
200	0604840N	F-35 C2D2 .....	481,962	481,962
201	0605520M	MARINE CORPS AIR DEFENSE WEAPONS SYSTEMS (MARFORRES).	65,381	65,381



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Line	Program Element	Item	FY 2022 Request	Senate Authorized
202	0607658N	COOPERATIVE ENGAGEMENT CAPABILITY (CEC) .....	176,486	176,486
203	0101221N	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT .....	177,098	185,098
		Strategic weapons system shipboard navigation modernization .....		[8,000]
204	0101224N	SSBN SECURITY TECHNOLOGY PROGRAM .....	45,775	45,775
205	0101226N	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT .....	64,752	64,752
206	0101402N	NAVY STRATEGIC COMMUNICATIONS .....	35,451	35,451
207	0204136N	F/A-18 SQUADRONS .....	189,224	192,224
		Neural network algorithms on advanced processors .....		[3,000]
208	0204228N	SURFACE SUPPORT .....	13,733	13,733
209	0204229N	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC) .....	132,181	132,181
210	0204311N	INTEGRATED SURVEILLANCE SYSTEM .....	84,276	84,276
211	0204313N	SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS .....	6,261	6,261
212	0204413N	AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT) .....	1,657	1,657
213	0204460M	GROUND/AIR TASK ORIENTED RADAR (G/ATOR) .....	21,367	68,367
		Marine Corps UFR—Air traffic control Block IV development .....		[23,000]
		Marine Corps UFR—Radar signal processor refresh .....		[12,000]
		Marine Corps UFR—Software mods to implement NIFC .....		[12,000]
214	0204571N	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT .....	56,741	56,741
215	0204575N	ELECTRONIC WARFARE (EW) READINESS SUPPORT .....	62,006	62,006
216	0205601N	ANTI-RADIATION MISSILE IMPROVEMENT .....	133,520	133,520
217	0205620N	SURFACE ASW COMBAT SYSTEM INTEGRATION .....	28,804	28,804
218	0205632N	MK-48 ADCAP .....	114,492	114,492
219	0205633N	AVIATION IMPROVEMENTS .....	132,486	132,486
220	0205675N	OPERATIONAL NUCLEAR POWER SYSTEMS .....	113,760	113,760
221	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS .....	89,897	92,697
		Marine Corps UFR—CEC DDS antenna enhancements .....		[2,800]
222	0206335M	COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S) .....	9,324	12,824
		Marine Corps UFR—Software development for NIFC integration .....		[3,500]
223	0206623M	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS .....	108,235	108,235
224	0206624M	MARINE CORPS COMBAT SERVICES SUPPORT .....	13,185	13,185
225	0206625M	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP) .....	37,695	44,295
		Marine Corps UFR—G-BOSS High Definition modernization .....		[3,700]
		Marine Corps UFR—SCINet transition .....		[2,900]
226	0206629M	AMPHIBIOUS ASSAULT VEHICLE .....	7,551	7,551
227	0207161N	TACTICAL AIM MISSILES .....	23,881	23,881
228	0207163N	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM) .....	32,564	32,564
229	0208043N	PLANNING AND DECISION AID SYSTEM (PDAS) .....	3,101	3,101
234	0303138N	AFLOAT NETWORKS .....	30,890	35,690
		Navy UFR—Accelerate Naval Tactical Grid Development for Joint All-Domain Command and Control (JADC2) .....		[4,800]
235	0303140N	INFORMATION SYSTEMS SECURITY PROGRAM .....	33,311	33,311
236	0305192N	MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES .....	7,514	7,514
237	0305204N	TACTICAL UNMANNED AERIAL VEHICLES .....	9,837	9,837
238	0305205N	UAS INTEGRATION AND INTEROPERABILITY .....	9,797	9,797
239	0305208M	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	38,800	38,800
240	0305220N	MQ-4C TRITON .....	13,029	13,029
241	0305231N	MQ-8 UAV .....	26,543	26,543
242	0305232M	RQ-11 UAV .....	533	533
243	0305234N	SMALL (LEVEL 0) TACTICAL UAS (STUASL0) .....	1,772	1,772
245	0305241N	MULTI-INTELLIGENCE SENSOR DEVELOPMENT .....	59,252	59,252
246	0305242M	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP) .....	9,274	9,274
247	0305251N	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT .....	36,378	36,378
248	0305421N	RQ-4 MODERNIZATION .....	134,323	134,323
249	0307577N	INTELLIGENCE MISSION DATA (IMD) .....	907	907
250	0308601N	MODELING AND SIMULATION SUPPORT .....	9,772	9,772
251	0702207N	DEPOT MAINTENANCE (NON-IF) .....	36,880	36,880
252	0708730N	MARITIME TECHNOLOGY (MARITECH) .....	3,329	3,329
999	9999999999	CLASSIFIED PROGRAMS .....	1,872,586	1,872,586
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</b>	<b>5,313,319</b>	<b>5,389,019</b>
		<b>SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS</b>		
254	0608013N	RISK MANAGEMENT INFORMATION—SOFTWARE PILOT PROGRAM .....	13,703	13,703
255	0608113N	NAVY NEXT GENERATION ENTERPRISE NETWORK (NGEN)—SOFTWARE PILOT PROGRAM .....	953,151	953,151
256	0608231N	MARITIME TACTICAL COMMAND AND CONTROL (MTC2)—SOFTWARE PILOT PROGRAM .....	14,855	14,855
		<b>SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS</b>	<b>983,709</b>	<b>983,709</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY</b>	<b>22,639,362</b>	<b>23,763,862</b>

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Line	Program Element	Item	FY 2022 Request	Senate Authorized
<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF</b>				
<b>BASIC RESEARCH</b>				
1	0601102F	DEFENSE RESEARCH SCIENCES .....	328,303	328,303
2	0601103F	UNIVERSITY RESEARCH INITIATIVES .....	162,403	192,403
		University research programs .....		[30,000]
		<b>SUBTOTAL BASIC RESEARCH .....</b>	<b>490,706</b>	<b>520,706</b>
<b>APPLIED RESEARCH</b>				
4	0602020F	FUTURE AF CAPABILITIES APPLIED RESEARCH .....	79,901	79,901
5	0602102F	MATERIALS .....	113,460	125,460
		Continuous composites 3D printing .....		[7,000]
		High energy synchrotron x-ray research .....		[5,000]
6	0602201F	AEROSPACE VEHICLE TECHNOLOGIES .....	163,032	173,032
		Ground test and development of hypersonic engines .....		[5,000]
		Hypersonic flight test services .....		[5,000]
7	0602202F	HUMAN EFFECTIVENESS APPLIED RESEARCH .....	136,273	136,273
8	0602203F	AEROSPACE PROPULSION .....	174,683	181,683
		Low-cost small turbine engine research .....		[7,000]
9	0602204F	AEROSPACE SENSORS .....	198,918	448,918
		Microelectronics research network .....		[250,000]
11	0602298F	SCIENCE AND TECHNOLOGY MANAGEMENT— MAJOR HEADQUARTERS ACTIVITIES .....	8,891	8,891
12	0602602F	CONVENTIONAL MUNITIONS .....	151,757	151,757
13	0602605F	DIRECTED ENERGY TECHNOLOGY .....	111,052	111,052
14	0602788F	DOMINANT INFORMATION SCIENCES AND METHODS .....	169,110	169,110
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>1,307,077</b>	<b>1,586,077</b>
<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>				
17	0603032F	FUTURE AF INTEGRATED TECHNOLOGY DEMOS .....	131,643	128,743
		Procure Valkyrie aircraft .....		[75,000]
		Program reduction .....		[-77,900]
18	0603112F	ADVANCED MATERIALS FOR WEAPON SYSTEMS .....	31,905	31,905
19	0603199F	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T) .....	21,057	21,057
20	0603203F	ADVANCED AEROSPACE SENSORS .....	45,464	45,464
21	0603211F	AEROSPACE TECHNOLOGY DEV/DEMO .....	70,486	72,486
		B-52 engine pylon fairings .....		[2,000]
22	0603216F	AEROSPACE PROPULSION AND POWER TECHNOLOGY .....	75,273	75,273
23	0603270F	ELECTRONIC COMBAT TECHNOLOGY .....	46,591	46,591
26	0603456F	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT .....	24,589	24,589
27	0603601F	CONVENTIONAL WEAPONS TECHNOLOGY .....	157,423	157,423
28	0603605F	ADVANCED WEAPONS TECHNOLOGY .....	28,258	28,258
29	0603680F	MANUFACTURING TECHNOLOGY PROGRAM .....	45,259	54,259
		Hypersonics materials manufacturing .....		[2,000]
		Sustainment and modernization research and development program .....		[7,000]
30	0603788F	BATTLESPACE KNOWLEDGE DEVELOPMENT AND DEMONSTRATION .....	56,772	56,772
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT .....</b>	<b>734,720</b>	<b>742,820</b>
<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>				
31	0603260F	INTELLIGENCE ADVANCED DEVELOPMENT .....	5,795	5,795
32	0603742F	COMBAT IDENTIFICATION TECHNOLOGY .....	21,939	21,939
33	0603790F	NATO RESEARCH AND DEVELOPMENT .....	4,114	4,114
34	0603851F	INTERCONTINENTAL BALLISTIC MISSILE—DEM/VAL .....	49,621	49,621
36	0604001F	NC3 ADVANCED CONCEPTS .....	6,900	6,900
37	0604002F	AIR FORCE WEATHER SERVICES RESEARCH .....	986	986
38	0604003F	ADVANCED BATTLE MANAGEMENT SYSTEM (ABMS) .....	203,849	203,849
39	0604004F	ADVANCED ENGINE DEVELOPMENT .....	123,712	210,712
		Air Force UFR—Complete two prototype engines .....		[57,000]
		Program increase .....		[30,000]
40	0604006F	ARCHITECTURE INITIATIVES .....	82,438	162,438
		Acceleration of tactical datalink waveform .....		[80,000]
41	0604015F	LONG RANGE STRIKE—BOMBER .....	2,872,624	2,872,624
42	0604032F	DIRECTED ENERGY PROTOTYPING .....	10,820	10,820
43	0604033F	HYPERSONICS PROTOTYPING .....	438,378	438,378
44	0604201F	PNT RESILIENCY, MODS, AND IMPROVEMENTS .....	39,742	39,742
45	0604257F	ADVANCED TECHNOLOGY AND SENSORS .....	23,745	28,745
		Air Force automatic target recognition .....		[5,000]
46	0604288F	SURVIVABLE AIRBORNE OPERATIONS CENTER .....	95,788	95,788
47	0604317F	TECHNOLOGY TRANSFER .....	15,768	23,268
		Academic technology transfer partnerships .....		[7,500]
48	0604327F	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM .....	15,886	15,886
49	0604414F	CYBER RESILIENCY OF WEAPON SYSTEMS-ACS .....	71,229	71,229
50	0604776F	DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D .....	40,103	40,103

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Line	Program Element	Item	FY 2022 Request	Senate Authorized
51	0604858F	TECH TRANSITION PROGRAM .....	343,545	460,345
		Blended wing body prototype phase 1 .....		[15,000]
		C-17 active winglets phase 1 .....		[5,000]
		Cold spray technologies .....		[5,000]
		Engine compressor blade coatings .....		[2,000]
		KC-135 winglets .....		[10,000]
		NORTHCOM UFR—Proliferated low earth orbit Arctic communi- cations. ....		[79,800]
52	0605230F	GROUND BASED STRATEGIC DETERRENT .....	2,553,541	2,553,541
54	0207110F	NEXT GENERATION AIR DOMINANCE .....	1,524,667	1,524,667
56	0207522F	AIRBASE AIR DEFENSE SYSTEMS (ABADS) .....	10,905	10,905
57	0208030F	WAR RESERVE MATERIEL—AMMUNITION .....	3,943	3,943
59	0305236F	COMMON DATA LINK EXECUTIVE AGENT (CDL EA) .....	43,881	43,881
61	0305601F	MISSION PARTNER ENVIRONMENTS .....	16,420	16,420
62	0306250F	CYBER OPERATIONS TECHNOLOGY SUPPORT .....	242,499	282,499
		Coordination with private sector to protect against foreign malicious cyber actors. ....		[15,000]
		CYBERCOM enhanced attribution transition .....		[25,000]
63	0306415F	ENABLED CYBER ACTIVITIES .....	16,578	16,578
66	0901410F	CONTRACTING INFORMATION TECHNOLOGY SYSTEM .....	20,343	10,343
		Contract writing systems reduction .....		[-10,000]
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOP- MENT &amp; PROTOTYPES.</b>	<b>8,899,759</b>	<b>9,226,059</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
78	0604200F	FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS .....	23,499	23,499
79	0604201F	PNT RESILIENCY, MODS, AND IMPROVEMENTS .....	167,520	167,520
80	0604222F	NUCLEAR WEAPONS SUPPORT .....	30,050	30,050
81	0604270F	ELECTRONIC WARFARE DEVELOPMENT .....	2,110	2,110
82	0604281F	TACTICAL DATA NETWORKS ENTERPRISE .....	169,836	169,836
83	0604287F	PHYSICAL SECURITY EQUIPMENT .....	8,469	8,469
85	0604602F	ARMAMENT/ORDNANCE DEVELOPMENT .....	9,047	9,047
86	0604604F	SUBMUNITIONS .....	2,954	2,954
87	0604617F	AGILE COMBAT SUPPORT .....	16,603	16,603
89	0604706F	LIFE SUPPORT SYSTEMS .....	25,437	25,437
90	0604735F	COMBAT TRAINING RANGES .....	23,980	37,180
		Air Force combat training ranges .....		[7,200]
		GPS denied training .....		[3,000]
		Gulf test range improvement .....		[3,000]
92	0604932F	LONG RANGE STANDOFF WEAPON .....	609,042	609,042
93	0604933F	ICBM FUZE MODERNIZATION .....	129,709	129,709
95	0605056F	OPEN ARCHITECTURE MANAGEMENT .....	37,109	37,109
97	0605223F	ADVANCED PILOT TRAINING .....	188,898	188,898
98	0605229F	HH-60W .....	66,355	66,355
101	0207171F	F-15 EPAWSS .....	112,012	112,012
102	0207328F	STAND IN ATTACK WEAPON .....	166,570	166,570
103	0207701F	FULL COMBAT MISSION TRAINING .....	7,064	7,064
105	0401221F	KC-46A TANKER SQUADRONS .....	73,459	67,459
		Future tanker development .....		[-6,000]
107	0401319F	VC-25B .....	680,665	680,665
108	0701212F	AUTOMATED TEST SYSTEMS .....	15,445	15,445
109	0804772F	TRAINING DEVELOPMENTS .....	4,482	4,482
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>2,570,315</b>	<b>2,577,515</b>
		<b>MANAGEMENT SUPPORT</b>		
124	0604256F	THREAT SIMULATOR DEVELOPMENT .....	41,909	41,909
125	0604759F	MAJOR T&E INVESTMENT .....	130,766	130,766
126	0605101F	RAND PROJECT AIR FORCE .....	36,017	36,017
128	0605712F	INITIAL OPERATIONAL TEST & EVALUATION .....	12,582	12,582
129	0605807F	TEST AND EVALUATION SUPPORT .....	811,032	811,032
131	0605827F	ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS .....	243,796	243,796
132	0605828F	ACQ WORKFORCE- GLOBAL REACH .....	435,930	435,930
133	0605829F	ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS .....	435,274	435,274
135	0605831F	ACQ WORKFORCE- CAPABILITY INTEGRATION .....	243,806	243,806
136	0605832F	ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY .....	103,041	103,041
137	0605833F	ACQ WORKFORCE- NUCLEAR SYSTEMS .....	226,055	226,055
138	0605898F	MANAGEMENT HQ—R&D .....	4,079	4,079
139	0605976F	FACILITIES RESTORATION AND MODERNIZATION—TEST AND EVALUATION SUPPORT. ....	70,788	70,788
140	0605978F	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUP- PORT. ....	30,057	30,057
141	0606017F	REQUIREMENTS ANALYSIS AND MATURATION .....	85,799	85,799
142	0606398F	MANAGEMENT HQ—T&E .....	6,163	6,163
143	0303166F	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILI- TIES. ....	537	537
144	0303255F	COMMAND, CONTROL, COMMUNICATION, AND COMPUTERS (C4)—STRATCOM. ....	25,340	42,340

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Line	Program Element	Item	FY 2022 Request	Senate Authorized
		Air Force UFR—Build command and control framework .....		[12,000]
		Rapid engineering architecture collaboration hub .....		[5,000]
145	0308602F	ENTERPRISE INFORMATION SERVICES (EIS) .....	28,720	28,720
146	0702806F	ACQUISITION AND MANAGEMENT SUPPORT .....	37,211	37,211
147	0804731F	GENERAL SKILL TRAINING .....	1,506	1,506
148	0804772F	TRAINING DEVELOPMENTS .....	2,957	2,957
150	1001004F	INTERNATIONAL ACTIVITIES .....	2,420	2,420
156	1206864F	SPACE TEST PROGRAM (STP) .....	3	3
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>3,015,788</b>	<b>3,032,788</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
157	0604233F	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING .....	5,509	5,509
158	0604445F	WIDE AREA SURVEILLANCE .....	2,760	2,760
160	0604840F	F-35 C2D2 .....	985,404	1,005,404
		Program increase .....		[20,000]
161	0605018F	AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS) .....	22,010	22,010
162	0605024F	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY .....	51,492	51,492
163	0605117F	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION ....	71,391	66,391
		Program reduction .....		[-5,000]
164	0605278F	HC/MC-130 RECAP RDT&E .....	46,796	46,796
165	0606018F	NC3 INTEGRATION .....	26,532	26,532
167	0101113F	B-52 SQUADRONS .....	715,811	715,811
168	0101122F	AIR-LAUNCHED CRUISE MISSILE (ALCM) .....	453	453
169	0101126F	B-1B SQUADRONS .....	29,127	29,127
170	0101127F	B-2 SQUADRONS .....	144,047	144,047
171	0101213F	MINUTEMAN SQUADRONS .....	113,622	113,622
172	0101316F	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS .....	15,202	15,202
174	0101328F	ICBM REENTRY VEHICLES .....	96,313	96,313
176	0102110F	UH-1N REPLACEMENT PROGRAM .....	16,132	16,132
177	0102326F	REGION/SECTOR OPERATION CONTROL CENTER MOD-ERNIZATION PROGRAM .....	771	771
178	0102412F	NORTH WARNING SYSTEM (NWS) .....	99	30,199
		NORTHCOM UFR—Over the horizon radar .....		[25,100]
		NORTHCOM UFR—Polar over the horizon radar .....		[5,000]
179	0102417F	OVER-THE-HORIZON BACKSCATTER RADAR .....	42,300	42,300
180	0202834F	VEHICLES AND SUPPORT EQUIPMENT—GENERAL .....	5,889	5,889
181	0205219F	MQ-9 UAV .....	85,135	85,135
182	0205671F	JOINT COUNTER RCIED ELECTRONIC WARFARE .....	3,111	3,111
183	0207040F	MULTI-PLATFORM ELECTRONIC WARFARE EQUIPMENT ...	36,607	36,607
184	0207131F	A-10 SQUADRONS .....	39,224	39,224
185	0207133F	F-16 SQUADRONS .....	224,573	224,573
186	0207134F	F-15E SQUADRONS .....	239,616	239,616
187	0207136F	MANNED DESTRUCTIVE SUPPRESSION .....	15,855	15,855
188	0207138F	F-22A SQUADRONS .....	647,296	647,296
189	0207142F	F-35 SQUADRONS .....	69,365	69,365
190	0207146F	F-15EX .....	118,126	118,126
191	0207161F	TACTICAL AIM MISSILES .....	32,974	32,974
192	0207163F	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM) .....	51,288	51,288
193	0207227F	COMBAT RESCUE—PARARESCUE .....	852	852
194	0207247F	AF TENCAP .....	23,685	23,685
195	0207249F	PRECISION ATTACK SYSTEMS PROCUREMENT .....	12,083	12,083
196	0207253F	COMPASS CALL .....	91,266	91,266
197	0207268F	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM .....	103,715	106,715
		Additive manufacturing .....		[3,000]
198	0207325F	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM) .....	117,325	117,325
199	0207327F	SMALL DIAMETER BOMB (SDB) .....	27,109	27,109
201	0207412F	CONTROL AND REPORTING CENTER (CRC) .....	9,875	9,875
202	0207417F	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS) .....	171,014	171,014
203	0207418F	AFSPECWAR—TACP .....	4,598	4,598
205	0207431F	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES .....	21,863	21,863
206	0207438F	THEATER BATTLE MANAGEMENT (TBM) C4I .....	7,905	7,905
207	0207439F	ELECTRONIC WARFARE INTEGRATED REPROGRAMMING (EWIR) .....	15,000	15,000
208	0207444F	TACTICAL AIR CONTROL PARTY-MOD .....	13,081	13,081
209	0207452F	DCAPES .....	4,305	4,305
210	0207521F	AIR FORCE CALIBRATION PROGRAMS .....	1,984	1,984
211	0207522F	AIRBASE AIR DEFENSE SYSTEMS (ABADS) .....	7,392	7,392
212	0207573F	NATIONAL TECHNICAL NUCLEAR FORENSICS .....	1,971	1,971
213	0207590F	SEEK EAGLE .....	30,539	30,539
214	0207601F	USAF MODELING AND SIMULATION .....	17,110	17,110
215	0207605F	WARGAMING AND SIMULATION CENTERS .....	7,535	7,535
216	0207610F	BATTLEFIELD ABN COMM NODE (BACN) .....	32,008	32,008
217	0207697F	DISTRIBUTED TRAINING AND EXERCISES .....	4,007	4,007
218	0208006F	MISSION PLANNING SYSTEMS .....	92,557	92,557
219	0208007F	TACTICAL DECEPTION .....	489	489
220	0208064F	OPERATIONAL HQ—CYBER .....	2,115	2,115
221	0208087F	DISTRIBUTED CYBER WARFARE OPERATIONS .....	72,487	72,487

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Line	Program Element	Item	FY 2022 Request	Senate Authorized
222	0208088F	AF DEFENSIVE CYBERSPACE OPERATIONS .....	18,449	18,449
223	0208097F	JOINT CYBER COMMAND AND CONTROL (JCC2) .....	79,079	79,079
224	0208099F	UNIFIED PLATFORM (UP) .....	101,893	101,893
228	0208288F	INTEL DATA APPLICATIONS .....	493	493
229	0301025F	GEOBASE .....	2,782	2,782
231	0301113F	CYBER SECURITY INTELLIGENCE SUPPORT .....	5,224	5,224
238	0301401F	AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS.	2,463	2,463
239	0302015F	E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC)	26,331	26,331
240	0303131F	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MIECN).	58,165	58,165
242	0303140F	INFORMATION SYSTEMS SECURITY PROGRAM .....	8,032	3,032
		Identity, credentialing, and access management reduction .....		[-5,000]
243	0303142F	GLOBAL FORCE MANAGEMENT—DATA INITIATIVE .....	452	452
244	0303248F	ALL DOMAIN COMMON PLATFORM .....	64,000	64,000
246	0304260F	AIRBORNE SIGINT ENTERPRISE .....	97,546	97,546
247	0304310F	COMMERCIAL ECONOMIC ANALYSIS .....	3,770	3,770
251	0305020F	CCMD INTELLIGENCE INFORMATION TECHNOLOGY .....	1,663	1,663
252	0305022F	ISR MODERNIZATION & AUTOMATION DVMT (IMAD) .....	18,888	18,888
253	0305099F	GLOBAL AIR TRAFFIC MANAGEMENT (GATM) .....	4,672	4,672
254	0305103F	CYBER SECURITY INITIATIVE .....	290	290
255	0305111F	WEATHER SERVICE .....	26,228	27,228
		Weather forecasting using machine learning .....		[1,000]
256	0305114F	AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCAL).S).	8,749	8,749
257	0305116F	AERIAL TARGETS .....	1,528	126,528
		Unmanned adversary air platforms .....		[125,000]
260	0305128F	SECURITY AND INVESTIGATIVE ACTIVITIES .....	223	223
262	0305146F	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES .....	8,733	8,733
264	0305179F	INTEGRATED BROADCAST SERVICE (IBS) .....	21,335	21,335
265	0305202F	DRAGON U-2 .....	17,146	74,146
		Air Force UFR—Antenna replacement .....		[57,000]
267	0305206F	AIRBORNE RECONNAISSANCE SYSTEMS .....	71,791	138,791
		Air Force UFR—ASARS processor and antenna development .....		[67,000]
268	0305207F	MANNED RECONNAISSANCE SYSTEMS .....	14,799	14,799
269	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	24,568	24,568
270	0305220F	RQ-4 UAV .....	83,124	83,124
271	0305221F	NETWORK-CENTRIC COLLABORATIVE TARGETING .....	17,224	17,224
272	0305238F	NATO AGS .....	19,473	19,473
273	0305240F	SUPPORT TO DCGS ENTERPRISE .....	40,421	40,421
274	0305600F	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES.	14,473	14,473
275	0305881F	RAPID CYBER ACQUISITION .....	4,326	4,326
276	0305984F	PERSONNEL RECOVERY COMMAND & CTRL (PRC2) .....	2,567	2,567
277	0307577F	INTELLIGENCE MISSION DATA (IMD) .....	6,169	6,169
278	0401115F	C-130 AIRLIFT SQUADRON .....	9,752	9,752
279	0401119F	C-5 AIRLIFT SQUADRONS (IF) .....	17,507	17,507
280	0401130F	C-17 AIRCRAFT (IF) .....	16,360	16,360
281	0401132F	C-130J PROGRAM .....	14,112	14,112
282	0401134F	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM) .....	5,540	5,540
283	0401218F	KC-135S .....	3,564	3,564
285	0401318F	CV-22 .....	17,189	17,189
286	0408011F	SPECIAL TACTICS / COMBAT CONTROL .....	6,640	6,640
288	0708055F	MAINTENANCE, REPAIR & OVERHAUL SYSTEM .....	26,921	26,921
289	0708610F	LOGISTICS INFORMATION TECHNOLOGY (LOGIT) .....	7,071	7,071
291	0804743F	OTHER FLIGHT TRAINING .....	1,999	1,999
293	0901202F	JOINT PERSONNEL RECOVERY AGENCY .....	1,841	1,841
294	0901218F	CIVILIAN COMPENSATION PROGRAM .....	3,560	3,560
295	0901220F	PERSONNEL ADMINISTRATION .....	3,368	3,368
296	0901226F	AIR FORCE STUDIES AND ANALYSIS AGENCY .....	1,248	1,248
297	0901538F	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT.	4,852	4,852
301	1202140F	SERVICE SUPPORT TO SPACECOM ACTIVITIES .....	6,737	6,737
999	9999999999	CLASSIFIED PROGRAMS .....	15,868,973	15,823,973
		Program reduction .....		[-150,000]
		Project A .....		[-5,000]
		Project B .....		[-5,000]
		Project C .....		[-10,000]
		Project D .....		[75,000]
		Project E .....		[50,000]
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</b>	<b>21,743,003</b>	<b>21,991,103</b>
		<b>SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS</b>		
317	0608158F	STRATEGIC MISSION PLANNING AND EXECUTION SYSTEM—SOFTWARE PILOT PROGRAM.	96,100	96,100
318	0608410F	AIR & SPACE OPERATIONS CENTER (AOC)—SOFTWARE PILOT PROGRAM.	186,918	186,918

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319	0608920F	DEFENSE ENTERPRISE ACCOUNTING AND MANAGEMENT SYSTEM (DEAMS)—SOFTWARE PILOT PRO.	135,263	135,263
		<b>SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.</b>	<b>418,281</b>	<b>418,281</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF.</b>	<b>39,179,649</b>	<b>40,095,349</b>
		<b>RDTE, SPACE FORCE APPLIED RESEARCH</b>		
1	1206601SF	SPACE TECHNOLOGY .....	181,209	204,909
		Battery cycle life improvements .....		[3,000]
		Radiation hardened microelectronics .....		[5,000]
		Space Force UFR—Innovation applications .....		[15,700]
		<b>SUBTOTAL APPLIED RESEARCH</b> .....	<b>181,209</b>	<b>204,909</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
2	1206616SF	SPACE ADVANCED TECHNOLOGY DEVELOPMENT/DEMO ...	75,919	146,919
		Space Force UFR—Accelerate Cislunar flight experiment .....		[61,000]
		SPACECOM UFR—Joint space rapid experimentation and demonstration.		[10,000]
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>75,919</b>	<b>146,919</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
3	1203164SF	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE).	434,194	434,194
4	1203710SF	EO/IR WEATHER SYSTEMS .....	162,274	162,274
5	1203905SF	SPACE SYSTEM SUPPORT .....	37,000	37,000
6	1206422SF	WEATHER SYSTEM FOLLOW-ON .....	61,521	61,521
7	1206425SF	SPACE SITUATION AWARENESS SYSTEMS .....	123,262	130,262
		Space Force UFR—Maui optical site .....		[7,000]
8	1206427SF	SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT) .....	101,851	129,851
		Space Force UFR—Expand Blackjack radio frequency payloads .....		[28,000]
9	1206438SF	SPACE CONTROL TECHNOLOGY .....	32,931	32,931
10	1206730SF	SPACE SECURITY AND DEFENSE PROGRAM .....	56,546	56,546
11	1206760SF	PROTECTED TACTICAL ENTERPRISE SERVICE (PTES) .....	100,320	109,320
		Space Force UFR—PTES Prototype Development .....		[9,000]
12	1206761SF	PROTECTED TACTICAL SERVICE (PTS) .....	243,285	243,285
13	1206855SF	EVOLVED STRATEGIC SATCOM (ESS) .....	160,056	160,056
14	1206857SF	SPACE RAPID CAPABILITIES OFFICE .....	66,193	66,193
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>1,579,433</b>	<b>1,623,433</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
15	1203269SF	GPS III FOLLOW-ON (GPS IIIF) .....	264,265	264,265
16	1203940SF	SPACE SITUATION AWARENESS OPERATIONS .....	56,279	56,279
17	1206421SF	COUNTERSPACE SYSTEMS .....	38,063	38,063
18	1206422SF	WEATHER SYSTEM FOLLOW-ON .....	1,438	1,438
19	1206425SF	SPACE SITUATION AWARENESS SYSTEMS .....	127,026	136,026
		Space Force UFR—Add space domain rapid innovation pathfinders ..		[9,000]
20	1206431SF	ADVANCED EHF MILSATCOM (SPACE) .....	28,218	28,218
21	1206432SF	POLAR MILSATCOM (SPACE) .....	127,870	127,870
22	1206442SF	NEXT GENERATION OPIR .....	2,451,256	2,451,256
23	1206445SF	COMMERCIAL SATCOM (COMSATCOM) INTEGRATION .....	23,400	23,400
24	1206853SF	NATIONAL SECURITY SPACE LAUNCH PROGRAM (SPACE)—EMD.	221,510	230,710
		Space Force UFR—Liquid oxygen explosive tests .....		[9,200]
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>3,339,325</b>	<b>3,357,525</b>
		<b>MANAGEMENT SUPPORT</b>		
25	1206116SF	SPACE TEST AND TRAINING RANGE DEVELOPMENT .....	19,319	52,619
		Space Force UFR—Signal emulation generation subsystem .....		[33,300]
26	1206392SF	ACQ WORKFORCE—SPACE & MISSILE SYSTEMS .....	214,051	214,051
27	1206398SF	SPACE & MISSILE SYSTEMS CENTER—MHA .....	12,119	12,119
28	1206759SF	MAJOR T&E INVESTMENT—SPACE .....	71,503	71,503
29	1206860SF	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE) .....	17,769	27,769
		Tactically responsive launch .....		[10,000]
31	1206864SF	SPACE TEST PROGRAM (STP) .....	20,881	20,881
		<b>SUBTOTAL MANAGEMENT SUPPORT</b> .....	<b>355,642</b>	<b>398,942</b>
		<b>OPERATIONAL SYSTEM DEVELOPMENT</b>		
33	1201017SF	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN) .....	4,731	4,731
34	1203001SF	FAMILY OF ADVANCED BLOS TERMINALS (FAB-T) .....	156,788	156,788
35	1203040SF	DCO-SPACE .....	2,150	13,050
		Space Force UFR—Cyber defense platforms for SBIRs and ground-based radar.		[10,900]

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36	1203109SF	NARROWBAND SATELLITE COMMUNICATIONS .....	112,012	112,012
37	1203110SF	SATELLITE CONTROL NETWORK (SPACE) .....	36,810	36,810
38	1203165SF	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS).	1,966	1,966
39	1203173SF	SPACE AND MISSILE TEST AND EVALUATION CENTER .....	1,699	5,699
		Space Force UFR—Improve operations of payload adapter .....		[4,000]
40	1203174SF	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT.	18,054	38,054
		Space Force UFR—Digital core services for distributed space test and training.		[20,000]
41	1203182SF	SPACELIFT RANGE SYSTEM (SPACE) .....	11,115	11,115
42	1203265SF	GPS III SPACE SEGMENT .....	7,207	7,207
43	1203330SF	SPACE SUPERIORITY ISR .....	18,109	18,109
44	1203620SF	NATIONAL SPACE DEFENSE CENTER .....	1,280	1,280
45	1203873SF	BALLISTIC MISSILE DEFENSE RADARS .....	12,292	12,292
46	1203906SF	NCMC—TWAA SYSTEM .....	9,858	9,858
47	1203913SF	NUDET DETECTION SYSTEM (SPACE) .....	45,887	45,887
48	1203940SF	SPACE SITUATION AWARENESS OPERATIONS .....	64,763	64,763
49	1206423SF	GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT.	413,766	413,766
53	1206770SF	ENTERPRISE GROUND SERVICES .....	191,713	191,713
999	999999999	CLASSIFIED PROGRAMS .....	4,474,809	4,763,809
		Program increase .....		[10,000]
		Space Force UFR—classified .....		[279,000]
		<b>SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT</b>	<b>5,585,009</b>	<b>5,908,909</b>
		<b>SOFTWARE &amp; DIGITAL TECHNOLOGY PILOT PROGRAMS</b>		
54	1203614SF	JSPOC MISSION SYSTEM .....	154,529	154,529
		<b>SUBTOTAL SOFTWARE &amp; DIGITAL TECHNOLOGY PILOT PROGRAMS.</b>	<b>154,529</b>	<b>154,529</b>
		<b>TOTAL RDTE, SPACE FORCE</b> .....	<b>11,271,066</b>	<b>11,795,166</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW</b>		
		<b>BASIC RESEARCH</b>		
1	0601000BR	DTRA BASIC RESEARCH .....	11,828	11,828
2	0601101E	DEFENSE RESEARCH SCIENCES .....	395,781	410,781
		Increase for DARPA-funded university research activities .....		[15,000]
3	0601108D8Z	HIGH ENERGY LASER RESEARCH INITIATIVES .....	15,390	15,390
4	0601110D8Z	BASIC RESEARCH INITIATIVES .....	39,828	72,328
		DEPSCoR .....		[10,000]
		Minerva management and social science research .....		[22,500]
5	0601117E	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE .....	76,018	81,018
		Traumatic brain injury research .....		[5,000]
6	0601120D8Z	NATIONAL DEFENSE EDUCATION PROGRAM .....	112,195	113,695
		DOD laboratory workforce development program .....		[1,500]
7	0601228D8Z	HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MINORITY INSTITUTIONS.	31,136	31,136
8	0601384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	34,708	34,708
		<b>SUBTOTAL BASIC RESEARCH</b> .....	<b>716,884</b>	<b>770,884</b>
		<b>APPLIED RESEARCH</b>		
9	0602000D8Z	JOINT MUNITIONS TECHNOLOGY .....	19,591	19,591
10	0602115E	BIOMEDICAL TECHNOLOGY .....	108,698	123,698
		Program increase .....		[15,000]
12	0602230D8Z	DEFENSE TECHNOLOGY INNOVATION .....	22,918	72,918
		6G and beyond experimentation efforts .....		[50,000]
13	0602234D8Z	LINCOLN LABORATORY RESEARCH PROGRAM .....	55,692	55,692
14	0602251D8Z	APPLIED RESEARCH FOR THE ADVANCEMENT OF S&T PRIORITIES.	65,015	65,015
15	0602303E	INFORMATION & COMMUNICATIONS TECHNOLOGY .....	430,363	745,363
		National Security Commission on Artificial Intelligence implementation.		[200,000]
		Program increase .....		[15,000]
		Quantum computing acceleration .....		[100,000]
16	0602383E	BIOLOGICAL WARFARE DEFENSE .....	31,421	31,421
17	0602384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	206,956	206,956
18	0602668D8Z	CYBER SECURITY RESEARCH .....	15,380	15,380
19	0602702E	TACTICAL TECHNOLOGY .....	202,515	202,515
20	0602715E	MATERIALS AND BIOLOGICAL TECHNOLOGY .....	317,024	332,024
		Program increase .....		[15,000]
21	0602716E	ELECTRONICS TECHNOLOGY .....	357,384	372,384
		Program increase .....		[15,000]
22	0602718BR	COUNTER WEAPONS OF MASS DESTRUCTION APPLIED RESEARCH.	197,011	197,011
23	0602751D8Z	SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RESEARCH.	9,601	9,601

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24	0602890D8Z	HIGH ENERGY LASER RESEARCH .....	45,997	45,997
25	1160401BB	SOF TECHNOLOGY DEVELOPMENT .....	44,829	44,829
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>2,130,395</b>	<b>2,540,395</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
26	0603000D8Z	JOINT MUNITIONS ADVANCED TECHNOLOGY .....	23,213	23,213
27	0603121D8Z	SO/LIC ADVANCED DEVELOPMENT .....	4,665	4,665
28	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT .....	69,376	69,376
29	0603133D8Z	FOREIGN COMPARATIVE TESTING .....	25,432	45,432
		Domestic comparative testing program .....		[20,000]
31	0603160BR	COUNTER WEAPONS OF MASS DESTRUCTION ADVANCED TECHNOLOGY DEVELOPMENT.	399,362	399,362
32	0603176C	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT	15,800	21,000
		MDA UFR—Cybersecurity improvements .....		[5,200]
33	0603180C	ADVANCED RESEARCH .....	21,466	26,466
		High speed flight experiment testing .....		[5,000]
34	0603183D8Z	JOINT HYPERSONIC TECHNOLOGY DEVELOPMENT &TRANSITION.	51,340	51,340
35	0603225D8Z	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT.	19,063	19,063
36	0603286E	ADVANCED AEROSPACE SYSTEMS .....	174,043	174,043
37	0603287E	SPACE PROGRAMS AND TECHNOLOGY .....	101,524	101,524
38	0603288D8Z	ANALYTIC ASSESSMENTS .....	24,012	24,012
39	0603289D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS .....	51,513	51,513
42	0603338D8Z	DEFENSE MODERNIZATION AND PROTOTYPING .....	115,443	190,443
		Rapid Innovation Program .....		[75,000]
43	0603342D8Z	DEFENSE INNOVATION UNIT (DIU) .....	31,873	31,873
44	0603375D8Z	TECHNOLOGY INNOVATION .....	54,433	54,433
45	0603384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEVELOPMENT.	197,824	197,824
46	0603527D8Z	RETRACT LARCH .....	99,175	99,175
47	0603618D8Z	JOINT ELECTRONIC ADVANCED TECHNOLOGY .....	18,221	18,221
48	0603648D8Z	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS .....	102,669	102,669
49	0603662D8Z	NETWORKED COMMUNICATIONS CAPABILITIES .....	2,984	2,984
50	0603680D8Z	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM.	134,022	145,522
		Certification-based workforce training programs for manufacturing ...		[3,000]
		Cybersecurity for industrial control systems .....		[3,000]
		Data analytics and visual system .....		[3,000]
		Integrated silicon-based lasers .....		[2,500]
51	0603680S	MANUFACTURING TECHNOLOGY PROGRAM .....	37,543	46,543
		HPC-enabled large-scale advanced manufacturing .....		[4,000]
		Steel Performance Initiative .....		[5,000]
53	0603712S	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS.	12,418	12,418
54	0603716D8Z	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM .....	51,863	51,863
55	0603720S	MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUPPORT.	160,821	160,821
56	0603727D8Z	JOINT WARFIGHTING PROGRAM .....	2,169	2,169
57	0603739E	ADVANCED ELECTRONICS TECHNOLOGIES .....	116,716	131,716
		Program increase .....		[15,000]
58	0603760E	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS .....	251,794	266,794
		Program increase .....		[15,000]
59	0603766E	NETWORK-CENTRIC WARFARE TECHNOLOGY .....	584,771	689,771
		Artificial intelligence research activities .....		[100,000]
		Deep water active technologies .....		[5,000]
60	0603767E	SENSOR TECHNOLOGY .....	294,792	259,792
		Program reduction .....		[-35,000]
61	0603769D8Z	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT.	6,398	6,398
62	0603781D8Z	SOFTWARE ENGINEERING INSTITUTE .....	14,677	14,677
65	0603924D8Z	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM	107,397	107,397
66	0603941D8Z	TEST & EVALUATION SCIENCE & TECHNOLOGY .....	267,161	267,161
67	0603950D8Z	NATIONAL SECURITY INNOVATION NETWORK .....	21,270	21,270
68	0604055D8Z	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT .....	74,300	74,300
74	1160402BB	SOF ADVANCED TECHNOLOGY DEVELOPMENT .....	93,415	93,415
75	1206310SDA	SPACE SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT.	172,638	172,638
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>4,007,596</b>	<b>4,233,296</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
76	0603161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E ADC&P.	28,687	28,687
77	0603600D8Z	WALKOFF .....	108,652	108,652
79	0603851D8Z	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM.	71,429	71,429



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80	0603881C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT.	277,949	279,949
		Survivability planning and intercept evaluation tool .....		[2,000]
81	0603882C	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT.	745,144	745,144
82	0603884BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEM/VAL.	129,445	129,445
83	0603884C	BALLISTIC MISSILE DEFENSE SENSORS .....	224,750	227,762
		MDA UFR—Cybersecurity improvements .....		[3,012]
84	0603890C	BMD ENABLING PROGRAMS .....	595,301	714,497
		MDA UFR—Cybersecurity improvements .....		[44,830]
		MDA UFR—System survivability in radiation environments .....		[20,166]
		MDA UFR—Tower-based fire control sensor for cruise missile defense.		[27,000]
		NORTHCOM UFR—NCR elevated radar .....		[27,200]
85	0603891C	SPECIAL PROGRAMS—MDA .....	413,374	413,374
86	0603892C	AEGIS BMD .....	732,512	780,912
		MDA UFR—Radar upgrades .....		[48,400]
87	0603896C	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT AND COMMUNICATI.	603,448	609,924
		MDA UFR—Cybersecurity improvements .....		[2,000]
		MDA UFR—JADC2 integration .....		[4,476]
88	0603898C	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT.	50,594	50,594
89	0603904C	MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC).	52,403	52,403
90	0603906C	REGARDING TRENCH .....	11,952	11,952
91	0603907C	SEA BASED X-BAND RADAR (SBX) .....	147,241	147,241
92	0603913C	ISRAELI COOPERATIVE PROGRAMS .....	300,000	300,000
93	0603914C	BALLISTIC MISSILE DEFENSE TEST .....	362,906	362,906
94	0603915C	BALLISTIC MISSILE DEFENSE TARGETS .....	553,334	553,334
96	0603923D8Z	COALITION WARFARE .....	5,103	5,103
97	0604011D8Z	NEXT GENERATION INFORMATION COMMUNICATIONS TECHNOLOGY (5G).	374,665	474,665
		5G acceleration activities .....		[100,000]
98	0604016D8Z	DEPARTMENT OF DEFENSE CORROSION PROGRAM .....	3,259	3,259
99	0604102C	GUAM DEFENSE DEVELOPMENT .....	78,300	232,750
		INDOPACOM UFR—Guam Defense System .....		[154,450]
103	0604181C	HYPERSONIC DEFENSE .....	247,931	309,796
		MDA UFR—Accelerate hypersonic defensive systems .....		[61,865]
104	0604250D8Z	ADVANCED INNOVATIVE TECHNOLOGIES .....	716,456	681,456
		Program increase—Project B .....		[60,000]
		Program reduction—Project A .....		[-10,000]
		Program reduction—strategic capabilities research and prototyping ...		[-100,000]
		Thermionic energy generation .....		[15,000]
105	0604294D8Z	TRUSTED & ASSURED MICROELECTRONICS .....	509,195	509,195
106	0604331D8Z	RAPID PROTOTYPING PROGRAM .....	103,575	53,575
		Program reduction—joint affordable kill chain .....		[-50,000]
107	0604341D8Z	DEFENSE INNOVATION UNIT (DIU) PROTOTYPING .....	11,213	11,213
108	0604400D8Z	DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMMON DEVELOPMENT.	2,778	2,778
109	0604551BR	CATAPULT .....	7,166	7,166
110	0604555D8Z	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT—NON S&T.	23,200	23,200
111	0604672C	HOMELAND DEFENSE RADAR—HAWAII (HDR-H) .....	0	76,000
		INDOPACOM UFR—Restoration of HDR-H .....		[76,000]
113	0604682D8Z	WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA).	3,519	3,519
114	0604826J	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY ASSESSMENTS.	17,439	42,439
		Joint All-Domain Command and Control experimentation .....		[25,000]
115	0604873C	LONG RANGE DISCRIMINATION RADAR (LRDR) .....	133,335	133,335
116	0604874C	IMPROVED HOMELAND DEFENSE INTERCEPTORS .....	926,125	926,125
117	0604876C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST.	32,697	32,697
118	0604878C	AEGIS BMD TEST .....	117,055	117,055
119	0604879C	BALLISTIC MISSILE DEFENSE SENSOR TEST .....	77,428	77,428
120	0604880C	LAND-BASED SM-3 (LBSM3) .....	43,158	43,158
121	0604887C	BALLISTIC MISSILE DEFENSE MIDCOURSE SEGMENT TEST.	61,424	61,424
122	0202057C	SAFETY PROGRAM MANAGEMENT .....	2,323	2,323
123	0300206R	ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS .....	2,568	2,568
125	0305103C	CYBER SECURITY INITIATIVE .....	1,142	1,142
126	1206410SDA	SPACE TECHNOLOGY DEVELOPMENT AND PROTOTYPING	636,179	649,179
		Laser communication ground terminals .....		[5,000]
		Space laser communications .....		[8,000]
127	1206893C	SPACE TRACKING & SURVEILLANCE SYSTEM .....	15,176	15,176
128	1206895C	BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS	292,811	292,811

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		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>9,854,341</b>	<b>10,378,740</b>	
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>			
129	0604161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E SDD.	5,682	5,682	
131	0604384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—EMD ...	299,848	299,848	
132	0604771D8Z	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS).	9,345	9,345	
133	0605000BR	COUNTER WEAPONS OF MASS DESTRUCTION SYSTEMS DEVELOPMENT.	14,063	14,063	
134	0605013BL	INFORMATION TECHNOLOGY DEVELOPMENT .....	4,265	4,265	
135	0605021SE	HOMELAND PERSONNEL SECURITY INITIATIVE .....	7,205	7,205	
136	0605022D8Z	DEFENSE EXPORTABILITY PROGRAM .....	5,447	5,447	
137	0605027D8Z	OUS(D) IT DEVELOPMENT INITIATIVES .....	16,892	16,892	
138	0605070S	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION.	679	679	
140	0605080S	DEFENSE AGENCY INITIATIVES (DAI)—FINANCIAL SYSTEM.	32,254	32,254	
142	0605141BR	MISSION ASSURANCE RISK MANAGEMENT SYSTEM (MARMS).	5,500	5,500	
143	0605210D8Z	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES.	7,148	7,148	
144	0605294D8Z	TRUSTED & ASSURED MICROELECTRONICS .....	113,895	113,895	
146	0605772D8Z	NUCLEAR COMMAND, CONTROL, & COMMUNICATIONS .....	3,991	3,991	
149	0305304D8Z	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEM).	2,227	2,227	
150	0305310D8Z	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION.	20,246	20,246	
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>548,687</b>	<b>548,687</b>	
		<b>MANAGEMENT SUPPORT</b>			
151	0603829J	JOINT CAPABILITY EXPERIMENTATION .....	8,444	8,444	
152	0604774D8Z	DEFENSE READINESS REPORTING SYSTEM (DRRS) .....	7,508	7,508	
153	0604875D8Z	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT .....	7,859	7,859	
154	0604940D8Z	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIP).	550,140	554,140	
		Wave glider development .....		[4,000]	
155	0604942D8Z	ASSESSMENTS AND EVALUATIONS .....	17,980	17,980	
156	0605001E	MISSION SUPPORT .....	73,145	73,145	
157	0605100D8Z	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMTC)	71,410	71,410	
159	0605126J	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JIAMDO).	52,671	52,671	
161	0605142D8Z	SYSTEMS ENGINEERING .....	40,030	25,030	
		Program reduction .....		[-15,000]	
162	0605151D8Z	STUDIES AND ANALYSIS SUPPORT—OSD .....	4,612	9,612	
		Acquisition Innovation Research Center .....		[5,000]	
163	0605161D8Z	NUCLEAR MATTERS-PHYSICAL SECURITY .....	14,429	14,429	
164	0605170D8Z	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION.	4,759	4,759	
165	0605200D8Z	GENERAL SUPPORT TO USD (INTELLIGENCE) .....	1,952	1,952	
166	0605384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	110,503	110,503	
172	0605790D8Z	SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER.	3,639	3,639	
173	0605797D8Z	MAINTAINING TECHNOLOGY ADVANTAGE .....	25,889	25,889	
174	0605798D8Z	DEFENSE TECHNOLOGY ANALYSIS .....	39,774	39,774	
175	0605801KA	DEFENSE TECHNICAL INFORMATION CENTER (DTIC) .....	61,453	11,453	
		Program reduction .....		[-50,000]	
176	0605803SE	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVALUATION.	18,762	18,762	
177	0605804D8Z	DEVELOPMENT TEST AND EVALUATION .....	27,366	27,366	
178	0605898E	MANAGEMENT HQ—R&D .....	12,740	12,740	
179	0605998KA	MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC).	3,549	3,549	
180	0606100D8Z	BUDGET AND PROGRAM ASSESSMENTS .....	15,438	15,438	
181	0606225D8Z	ODNA TECHNOLOGY AND RESOURCE ANALYSIS .....	2,897	2,897	
182	0606589D8W	DEFENSE DIGITAL SERVICE (DDS) DEVELOPMENT SUPPORT.	918	918	
183	0606771D8Z	CYBER RESILIENCY AND CYBERSECURITY POLICY .....	31,638	31,638	
184	0203345D8Z	DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI) .....	2,925	2,925	
185	0204571J	JOINT STAFF ANALYTICAL SUPPORT .....	977	977	
186	0208045K	C4I INTEROPERABILITY .....	53,361	53,361	
189	0303140SE	INFORMATION SYSTEMS SECURITY PROGRAM .....	853	853	
191	0303260D8Z	DEFENSE MILITARY DECEPTION PROGRAM OFFICE (DMDPO).	969	969	
192	0305172K	COMBINED ADVANCED APPLICATIONS .....	15,696	15,696	
194	0305208K	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	3,073	3,073	

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197	0804768J	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION (CE2T2)—NON-MHA.	29,530	29,530
198	0808709SE	DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE (DEOMI).	689	689
199	0901598C	MANAGEMENT HQ—MDA .....	24,102	24,102
200	0903235K	JOINT SERVICE PROVIDER (JSP) .....	2,645	2,645
999	9999999999	CLASSIFIED PROGRAMS .....	37,520	37,520
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>1,383,845</b>	<b>1,327,845</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
202	0604130V	ENTERPRISE SECURITY SYSTEM (ESS) .....	5,355	5,355
203	0604532K	JOINT ARTIFICIAL INTELLIGENCE .....	10,033	10,033
206	0607210D8Z	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT.	58,189	97,439
		Defense industrial skills and technology training systems .....		[4,000]
		Demonstration program on domestic production of rare earth elements from coal byproducts.		[3,000]
		Digital manufacturing .....		[1,500]
		Industrial skills training .....		[2,500]
		Rare earth element separation technologies .....		[7,500]
		Submarine construction workforce training pipeline .....		[20,750]
207	0607310D8Z	CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT	18,721	18,721
208	0607327T	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT INFORMATION SYSTEMS (G-TSCMIS).	7,398	7,398
209	0607384BP	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT).	58,261	58,261
215	0302019K	DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATION.	16,233	16,233
216	0303126K	LONG-HAUL COMMUNICATIONS—DCS .....	10,275	10,275
217	0303131K	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN).	4,892	4,892
218	0303136G	KEY MANAGEMENT INFRASTRUCTURE (KMI) .....	83,751	83,751
219	0303140D8Z	INFORMATION SYSTEMS SECURITY PROGRAM .....	49,191	69,191
		Workforce transformation cyber initiative pilot program .....		[20,000]
220	0303140G	INFORMATION SYSTEMS SECURITY PROGRAM .....	423,745	463,745
		Additional cybersecurity support for the defense industrial base .....		[25,000]
		Pilot program on public-private partnership with internet ecosystem companies.		[25,000]
		Program reduction .....		[-10,000]
221	0303140K	INFORMATION SYSTEMS SECURITY PROGRAM .....	5,707	5,707
222	0303150K	GLOBAL COMMAND AND CONTROL SYSTEM .....	4,150	4,150
223	0303153K	DEFENSE SPECTRUM ORGANIZATION .....	19,302	19,302
224	0303228K	JOINT REGIONAL SECURITY STACKS (JRSS) .....	9,342	9,342
226	0303430V	FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY.	15,326	15,326
232	0305128V	SECURITY AND INVESTIGATIVE ACTIVITIES .....	8,800	8,800
235	0305146V	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES .....	3,820	3,820
237	0305186D8Z	POLICY R&D PROGRAMS .....	4,843	4,843
238	0305199D8Z	NET CENTRICITY .....	13,471	13,471
240	0305208BB	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	5,994	5,994
247	0305387D8Z	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM	1,273	1,273
255	0708012K	LOGISTICS SUPPORT ACTIVITIES .....	1,690	1,690
256	0708012S	PACIFIC DISASTER CENTERS .....	1,799	1,799
257	0708047S	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM .....	6,390	6,390
259	1105219BB	MQ-9 UAV .....	19,065	19,065
261	1160403BB	AVIATION SYSTEMS .....	173,537	173,537
262	1160405BB	INTELLIGENCE SYSTEMS DEVELOPMENT .....	32,766	32,766
263	1160408BB	OPERATIONAL ENHANCEMENTS .....	145,830	145,830
264	1160431BB	WARRIOR SYSTEMS .....	78,592	82,803
		SOCOM UFR—Maritime scalable effects acceleration .....		[4,211]
265	1160432BB	SPECIAL PROGRAMS .....	6,486	6,486
266	1160434BB	UNMANNED ISR .....	18,006	18,006
267	1160480BB	SOF TACTICAL VEHICLES .....	7,703	7,703
268	1160483BB	MARITIME SYSTEMS .....	58,430	58,430
270	1160490BB	OPERATIONAL ENHANCEMENTS INTELLIGENCE .....	10,990	10,990
999	9999999999	CLASSIFIED PROGRAMS .....	5,208,029	5,198,029
		Project A .....		[-10,000]
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</b>	<b>6,607,385</b>	<b>6,700,846</b>
		<b>SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS</b>		
272	0604532K	JOINT ARTIFICIAL INTELLIGENCE .....	186,639	186,639
273	0608197V	NATIONAL BACKGROUND INVESTIGATION SERVICES—SOFTWARE PILOT PROGRAM.	123,570	123,570
274	0608648D8Z	ACQUISITION VISIBILITY—SOFTWARE PILOT PROGRAM ....	18,307	18,307
275	0303150K	GLOBAL COMMAND AND CONTROL SYSTEM .....	32,774	32,774
276	0308588D8Z	ALGORITHMIC WARFARE CROSS FUNCTIONAL TEAMS—SOFTWARE PILOT PROGRAM.	247,452	247,452

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
Line	Program Element	Item	FY 2022 Request	Senate Authorized
		<b>SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.</b>	<b>608,742</b>	<b>608,742</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW.</b>	<b>25,857,875</b>	<b>27,109,435</b>
		<b>OPERATIONAL TEST &amp; EVAL, DEFENSE MANAGEMENT SUPPORT</b>		
1	0605118OTE	OPERATIONAL TEST AND EVALUATION .....	105,394	105,394
2	0605131OTE	LIVE FIRE TEST AND EVALUATION .....	68,549	68,549
3	0605814OTE	OPERATIONAL TEST ACTIVITIES AND ANALYSES .....	42,648	62,648
		Joint Test and Evaluation restoration .....		[20,000]
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>216,591</b>	<b>236,591</b>
		<b>TOTAL OPERATIONAL TEST &amp; EVAL, DEFENSE .....</b>	<b>216,591</b>	<b>236,591</b>
		<b>TOTAL RDT&amp;E .....</b>	<b>111,964,188</b>	<b>116,106,252</b>

1 **TITLE XLIII—OPERATION AND**  
 2 **MAINTENANCE**  
 3 **SEC. 4301. OPERATION AND MAINTENANCE.**

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)				
Line		Item	FY 2022 Request	Senate Authorized
		<b>OPERATION &amp; MAINTENANCE, ARMY OPERATING FORCES</b>		
010		MANEUVER UNITS .....	3,563,856	3,563,856
020		MODULAR SUPPORT BRIGADES .....	142,082	142,082
030		ECHELONS ABOVE BRIGADE .....	758,174	758,174
040		THEATER LEVEL ASSETS .....	2,753,783	2,867,212
		Army UFR—PM WIN-T SNAP & GRRIP for OIR .....		[1,654]
		Army UFR—PM WIN-T SNAP & GRRIP for OSS .....		[5,775]
		CENTCOM UFR—PATRIOT support .....		[106,000]
050		LAND FORCES OPERATIONS SUPPORT .....	1,110,156	1,110,156
060		AVIATION ASSETS .....	1,795,522	1,795,522
070		FORCE READINESS OPERATIONS SUPPORT .....	7,442,976	7,982,801
		Army UFR—Arctic cold weather gloves .....		[13,867]
		Army UFR—Arctic OCIE .....		[65,050]
		Army UFR—ECWCS procurement .....		[8,999]
		Army UFR—Female/small stature body armor .....		[81,750]
		Army UFR—Garrison Installation Facilities-Related Control Systems (FRCS) .....		[13,071]
		Army UFR—Heavylift transportation for OIR .....		[33,854]
		Army UFR—Industrial base special installation control systems ...		[14,824]
		Army UFR—Medical sustainment level maintenance .....		[16,400]
		Army UFR—Mission Partner Environment .....		[6,300]
		Army UFR—Support to Homeland Contingency Operators .....		[228,410]
		Army UFR—TADSS maintenance .....		[17,000]
		CENTCOM UFR—Heavylift logistics .....		[40,300]
080		LAND FORCES SYSTEMS READINESS .....	580,921	614,921
		CENTCOM UFR—COMSAT air time .....		[34,000]
090		LAND FORCES DEPOT MAINTENANCE .....	1,257,959	1,590,055
		Army UFR—Aerial-Intelligence, Surveillance, Reconnaissance (A-ISR) Sustainment .....		[38,900]
		Army UFR—Communications & Electronics Repair Cycle Float ...		[3,200]
		Army UFR—Tactical Combat Vehicle Repair Cycle Float .....		[89,017]
		Army UFR—UH-60 L-L Repair Cycle Float .....		[125,565]
		Army UFR—Weapon system software readiness .....		[75,414]
100		MEDICAL READINESS .....	1,102,964	1,102,964
110		BASE OPERATIONS SUPPORT .....	8,878,603	8,946,132
		Army UFR—Accelerate food service modernization .....		[25,129]
		Army UFR—Army Climate Assessment Tool (ACAT) .....		[1,000]
		Army UFR—Electrical grid improvements for electric vehicle charging stations .....		[20,000]

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	Senate Authorized
	Army UFR—GSA leased vehicles .....		[14,700]
	Army UFR—Monitoring and predicting desertification .....		[1,200]
	Army UFR—Multi-Domain Operations-Live .....		[1,500]
	Army UFR—Natural infrastructure and range lands, climate resilience at Ft. Huachuca .....		[4,000]
120	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	4,051,869	4,891,954
	Army UFR—Critical organic industrial base production capacity ..		[7,400]
	Army UFR—Fort Belvoir CDC Restoration and Modernization ....		[1,380]
	Army UFR—Fort Polk CDC Restoration and Modernization .....		[2,305]
	Program increase FSRM to 100% .....		[829,000]
130	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	289,891	289,891
140	ADDITIONAL ACTIVITIES .....	526,517	578,517
	Army UFR—EDI ADOS .....		[52,000]
160	RESET .....	397,196	397,196
170	US AFRICA COMMAND .....	384,791	518,337
	AFRICOM UFR—Commercial SATCOM .....		[16,500]
	AFRICOM UFR—ISR improvements .....		[67,000]
	Army UFR—MQ-9 COCO Support to AFRICOM .....		[50,046]
180	US EUROPEAN COMMAND .....	293,932	335,910
	EUCOM UFR—Information Operations .....		[26,765]
	EUCOM UFR—Mission Partner Environment .....		[15,213]
190	US SOUTHERN COMMAND .....	196,726	196,726
200	US FORCES KOREA .....	67,052	67,052
210	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS ..	621,836	685,898
	Army UFR—Autonomic Security Operations Center .....		[1,150]
	Army UFR—Critical infrastructure risk management cyber resiliency mitigations .....		[13,630]
	Army UFR—MRCT / Cyber I&W / Ops Cell .....		[4,655]
	Army UFR—Security Operations Center as a Service (SOCaaS) ...		[44,627]
220	CYBERSPACE ACTIVITIES—CYBERSECURITY .....	629,437	726,176
	Army UFR—C-SCRM supplier vetting and equipment inspection ..		[1,200]
	Army UFR—Cybersecurity control systems assessments .....		[89,889]
	Army UFR—Cyber-Supply Chain Risk Mgmt (C-SCRM) program .....		[2,750]
	Army UFR—Defensive cyber sensors .....		[2,900]
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>36,846,243</b>	<b>39,161,532</b>
	<b>MOBILIZATION</b>		
230	STRATEGIC MOBILITY .....	353,967	485,063
	Army UFR—APS-3 Afloat ship use rate cost increases .....		[114,495]
	Army UFR—Medical CBRN equipment .....		[16,601]
240	ARMY PREPOSITIONED STOCKS .....	381,192	701,139
	Army UFR—APS-1 CONUS Operational Project Care of Supplies in Storage .....		[10,271]
	Army UFR—APS-2 Europe Care of Supplies In Storage .....		[193,746]
	Army UFR—APS-4 South Humanitarian Assistance Disaster Relief Site .....		[31,487]
	Army UFR—Medical equipment .....		[84,443]
250	INDUSTRIAL PREPAREDNESS .....	3,810	3,810
	<b>SUBTOTAL MOBILIZATION</b> .....	<b>738,969</b>	<b>1,190,012</b>
	<b>TRAINING AND RECRUITING</b>		
260	OFFICER ACQUISITION .....	163,568	163,568
270	RECRUIT TRAINING .....	75,140	75,140
280	ONE STATION UNIT TRAINING .....	81,274	81,274
290	SENIOR RESERVE OFFICERS TRAINING CORPS .....	520,973	520,973
300	SPECIALIZED SKILL TRAINING .....	998,869	998,869
310	FLIGHT TRAINING .....	1,309,556	1,309,556
320	PROFESSIONAL DEVELOPMENT EDUCATION .....	218,651	218,651
330	TRAINING SUPPORT .....	616,380	634,480
	Army UFR—ATRRS Modernization .....		[18,100]
340	RECRUITING AND ADVERTISING .....	683,569	684,963
	Army UFR—Enterprise Technology Integration, Governance, and Engineering Requirements (ETIGER) .....		[1,394]
350	EXAMINING .....	169,442	169,442
360	OFF-DUTY AND VOLUNTARY EDUCATION .....	214,923	231,078
	Army UFR—Tuition assistance .....		[16,155]
370	CIVILIAN EDUCATION AND TRAINING .....	220,589	220,589
380	JUNIOR RESERVE OFFICER TRAINING CORPS .....	187,569	187,569
	<b>SUBTOTAL TRAINING AND RECRUITING</b> .....	<b>5,460,503</b>	<b>5,496,152</b>

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	Senate Authorized
<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>			
400	SERVICEWIDE TRANSPORTATION .....	684,562	776,778
	Army UFR—Second destination transportation .....		[70,716]
	Army UFR—Transportation management system .....		[21,500]
410	CENTRAL SUPPLY ACTIVITIES .....	808,895	898,795
	Army UFR—Advanced additive manufacturing .....		[89,900]
420	LOGISTIC SUPPORT ACTIVITIES .....	767,053	873,517
	Army UFR—AMC LITeS .....		[29,104]
	Army UFR—Deployments and mobilizations for Operation Spartan Shield (OSS) .....		[77,360]
430	AMMUNITION MANAGEMENT .....	469,038	469,038
440	ADMINISTRATION .....	488,535	492,535
	Joint Counter-UAS Office training support .....		[4,000]
450	SERVICEWIDE COMMUNICATIONS .....	1,952,742	2,018,125
	Army UFR—CHRA IT Cloud .....		[5,300]
	Army UFR—ERP convergence/modernization .....		[49,420]
	Army UFR—Harden CSS VSAT network .....		[10,663]
460	MANPOWER MANAGEMENT .....	323,273	323,273
470	OTHER PERSONNEL SUPPORT .....	663,602	730,041
	Army UFR—Enterprise Technology Integration, Governance, and Engineering Requirements (ETIGER) .....		[1,393]
	Army UFR—HR cloud and IT modernization .....		[29,675]
	Army UFR—integrated Personnel Electronic Records Management System (iPERMS) .....		[5,371]
	Army UFR—Personnel security investigations .....		[30,000]
480	OTHER SERVICE SUPPORT .....	2,004,981	2,071,057
	Army UFR—DFAS cost estimation .....		[49,983]
	Army UFR—Presidential and DOD support .....		[16,093]
490	ARMY CLAIMS ACTIVITIES .....	180,178	180,178
500	REAL ESTATE MANAGEMENT .....	269,009	274,009
	Army real estate inventory system .....		[5,000]
510	FINANCIAL MANAGEMENT AND AUDIT READINESS .....	437,940	437,940
520	INTERNATIONAL MILITARY HEADQUARTERS .....	482,571	482,571
530	MISC. SUPPORT OF OTHER NATIONS .....	29,670	29,670
9999	CLASSIFIED PROGRAMS .....	2,008,633	2,063,571
	Army UFR—Helios Dagger .....		[14,710]
	SOUTHCOM UFR—Additional non-traditional ISR operations .....		[22,228]
	SOUTHCOM UFR—Additional traditional ISR operations .....		[18,000]
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES .....</b>	<b>11,570,682</b>	<b>12,121,098</b>
<b>UNDISTRIBUTED</b>			
998	UNDISTRIBUTED .....	0	-826,660
	Bulk fuel adjustment .....		[-25,560]
	Foreign currency fluctuations .....		[-81,000]
	Printing costs reduction .....		[-5,100]
	Unobligated balances .....		[-715,000]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>	<b>0</b>	<b>-826,660</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY .....</b>	<b>54,616,397</b>	<b>57,142,134</b>
<b>OPERATION &amp; MAINTENANCE, ARMY RES</b>			
<b>OPERATING FORCES</b>			
010	MODULAR SUPPORT BRIGADES .....	10,465	10,465
020	ECHELONS ABOVE BRIGADE .....	554,992	554,992
030	THEATER LEVEL ASSETS .....	120,892	120,892
040	LAND FORCES OPERATIONS SUPPORT .....	597,718	597,718
050	AVIATION ASSETS .....	111,095	111,095
060	FORCE READINESS OPERATIONS SUPPORT .....	385,506	385,506
070	LAND FORCES SYSTEMS READINESS .....	98,021	98,021
080	LAND FORCES DEPOT MAINTENANCE .....	34,368	34,368
090	BASE OPERATIONS SUPPORT .....	584,513	620,513
	Army UFR—Repair Transient Training Officer Barracks Bldg 5406, ASA Dix .....		[18,000]
	Army UFR—Repair Transient Training Officer Barracks Bldg 5502, ASA Dix .....		[18,000]
100	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	342,433	342,433
110	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	22,472	22,472
120	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS .....	2,764	2,764

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	Senate Authorized
130	CYBERSPACE ACTIVITIES—CYBERSECURITY .....	7,476	7,476
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>2,872,715</b>	<b>2,908,715</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
140	SERVICEWIDE TRANSPORTATION .....	15,400	15,400
150	ADMINISTRATION .....	19,611	19,611
160	SERVICEWIDE COMMUNICATIONS .....	37,458	37,458
170	MANPOWER MANAGEMENT .....	7,162	7,162
180	RECRUITING AND ADVERTISING .....	48,289	48,289
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b> .....	<b>127,920</b>	<b>127,920</b>
<b>UNDISTRIBUTED</b>			
998	UNDISTRIBUTED .....	0	-42,995
	Bulk fuel adjustment .....		[-3,195]
	Unobligated balances .....		[-39,800]
	<b>SUBTOTAL UNDISTRIBUTED</b> .....	<b>0</b>	<b>-42,995</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY RES</b>	<b>3,000,635</b>	<b>2,993,640</b>
<b>OPERATION &amp; MAINTENANCE, ARNG OPERATING FORCES</b>			
010	MANEUVER UNITS .....	799,854	799,854
020	MODULAR SUPPORT BRIGADES .....	211,561	211,561
030	ECHELONS ABOVE BRIGADE .....	835,709	835,709
040	THEATER LEVEL ASSETS .....	101,179	101,179
050	LAND FORCES OPERATIONS SUPPORT .....	34,436	34,436
060	AVIATION ASSETS .....	1,110,416	1,110,416
070	FORCE READINESS OPERATIONS SUPPORT .....	704,827	709,827
	CNGB UFR—Weapons of Mass Destruction Civil Support Teams Equipment Sustainment .....		[5,000]
080	LAND FORCES SYSTEMS READINESS .....	47,886	47,886
090	LAND FORCES DEPOT MAINTENANCE .....	244,439	244,439
100	BASE OPERATIONS SUPPORT .....	1,097,960	1,097,960
110	FACILITIES SUSTAINMENT, RESTORATION & MOD- ERNIZATION .....	956,988	1,007,813
	Army UFR—Force Projection Outload Facility .....		[2,520]
	Army UFR—Operational Readiness Training Complex .....		[48,305]
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	1,047,870	1,047,870
130	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS ..	8,071	8,071
140	CYBERSPACE ACTIVITIES—CYBERSECURITY .....	7,828	7,828
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>7,209,024</b>	<b>7,264,849</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
150	SERVICEWIDE TRANSPORTATION .....	8,017	8,017
160	ADMINISTRATION .....	76,993	106,987
	CNGB UFR—Joint information exchange environment .....		[6,300]
	State Partnership Program—restore to FY21 levels .....		[23,694]
170	SERVICEWIDE COMMUNICATIONS .....	101,113	101,113
180	MANPOWER MANAGEMENT .....	8,920	8,920
190	OTHER PERSONNEL SUPPORT .....	240,292	240,292
200	REAL ESTATE MANAGEMENT .....	2,850	2,850
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b> .....	<b>438,185</b>	<b>468,179</b>
<b>UNDISTRIBUTED</b>			
998	UNDISTRIBUTED .....	0	-113,795
	Bulk fuel adjustment .....		[-3,195]
	Unobligated balances .....		[-110,600]
	<b>SUBTOTAL UNDISTRIBUTED</b> .....	<b>0</b>	<b>-113,795</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARNG</b> .....	<b>7,647,209</b>	<b>7,619,233</b>
<b>AFGHANISTAN SECURITY FORCES FUND AFGHAN NATIONAL ARMY</b>			
010	SUSTAINMENT .....	1,053,668	1,053,668
020	INFRASTRUCTURE .....	1,818	1,818
030	EQUIPMENT AND TRANSPORTATION .....	22,911	22,911
040	TRAINING AND OPERATIONS .....	31,837	31,837
	<b>SUBTOTAL AFGHAN NATIONAL ARMY</b> .....	<b>1,110,234</b>	<b>1,110,234</b>
<b>AFGHAN NATIONAL POLICE</b>			

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	Senate Authorized
050	SUSTAINMENT .....	440,628	440,628
070	EQUIPMENT AND TRANSPORTATION .....	38,551	38,551
080	TRAINING AND OPERATIONS .....	38,152	38,152
	<b>SUBTOTAL AFGHAN NATIONAL POLICE .....</b>	<b>517,331</b>	<b>517,331</b>
<b>AFGHAN AIR FORCE</b>			
090	SUSTAINMENT .....	562,056	562,056
110	EQUIPMENT AND TRANSPORTATION .....	26,600	26,600
120	TRAINING AND OPERATIONS .....	169,684	169,684
	<b>SUBTOTAL AFGHAN AIR FORCE .....</b>	<b>758,340</b>	<b>758,340</b>
<b>AFGHAN SPECIAL SECURITY FORCES</b>			
130	SUSTAINMENT .....	685,176	685,176
150	EQUIPMENT AND TRANSPORTATION .....	78,962	78,962
160	TRAINING AND OPERATIONS .....	177,767	177,767
	<b>SUBTOTAL AFGHAN SPECIAL SECURITY FORCES .....</b>	<b>941,905</b>	<b>941,905</b>
	<b>TOTAL AFGHANISTAN SECURITY FORCES FUND ..</b>	<b>3,327,810</b>	<b>3,327,810</b>
<b>COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)</b>			
<b>COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)</b>			
010	IRAQ .....	345,000	345,000
020	SYRIA .....	177,000	177,000
	<b>SUBTOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF) .....</b>	<b>522,000</b>	<b>522,000</b>
	<b>TOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF) .....</b>	<b>522,000</b>	<b>522,000</b>
<b>OPERATION &amp; MAINTENANCE, NAVY OPERATING FORCES</b>			
010	MISSION AND OTHER FLIGHT OPERATIONS .....	6,264,654	6,545,054
	Navy UFR—Flying hour program - fleet operations .....		[280,400]
020	FLEET AIR TRAINING .....	2,465,007	2,621,907
	Navy UFR—Flying hour program - fleet replacement squadron ....		[156,900]
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES .....	55,140	55,140
040	AIR OPERATIONS AND SAFETY SUPPORT .....	197,904	197,904
050	AIR SYSTEMS SUPPORT .....	1,005,932	1,005,932
060	AIRCRAFT DEPOT MAINTENANCE .....	1,675,356	1,897,556
	Navy UFR—Additional aircraft depot maintenance events .....		[222,200]
070	AIRCRAFT DEPOT OPERATIONS SUPPORT .....	65,518	65,518
080	AVIATION LOGISTICS .....	1,460,546	1,460,546
090	MISSION AND OTHER SHIP OPERATIONS .....	5,858,028	5,934,028
	Navy UFR—Resilient Communications and PNT for Combat Logistics Fleet (CLF) .....		[34,000]
	Navy UFR—Submarine Tender Overhaul .....		[42,000]
100	SHIP OPERATIONS SUPPORT & TRAINING .....	1,154,696	1,168,196
	Navy UFR—Accelerate Naval Tactical Grid Development for Joint All-Domain Command and Control (JADC2) .....		[200]
	Navy UFR—Naval Operational Business Logistics Enterprise (NOBLE) .....		[13,300]
110	SHIP DEPOT MAINTENANCE .....	10,300,078	10,339,878
	Navy UFR—A-120 availability .....		[39,800]
120	SHIP DEPOT OPERATIONS SUPPORT .....	2,188,454	2,224,454
	Navy UFR—CG Modernization Pricing .....		[36,000]
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE .....	1,551,846	1,551,846
140	SPACE SYSTEMS AND SURVEILLANCE .....	327,251	339,251
	Navy UFR—T-AGOS maintenance and repair .....		[12,000]
150	WARFARE TACTICS .....	798,082	798,082
160	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY .....	447,486	447,486
170	COMBAT SUPPORT FORCES .....	2,250,756	2,297,856
	CENTCOM UFR—Naval patrol craft support .....		[47,100]
180	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT .....	192,968	192,968
190	COMBATANT COMMANDERS CORE OPERATIONS .....	61,614	61,614
200	COMBATANT COMMANDERS DIRECT MISSION SUPPORT .....	198,596	449,436
	INDOPACOM UFR—Critical HQ manpower positions .....		[4,620]
	INDOPACOM UFR—Future fusion centers .....		[3,300]
	INDOPACOM UFR—ISR augmentation .....		[41,000]



SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	Senate Authorized
	INDOPACOM UFR—Mission Partner Environment .....		[54,010]
	INDOPACOM UFR—Multi-Domain Training and Experimentation Capability .....		[59,410]
	INDOPACOM UFR—Pacific Movement Coordination Center .....		[500]
	INDOPACOM UFR—Wargaming analytical tools .....		[88,000]
210	MILITARY INFORMATION SUPPORT OPERATIONS .....	8,984	36,984
	INDOPACOM UFR—Military Information Support Ops .....		[28,000]
220	CYBERSPACE ACTIVITIES .....	565,926	560,926
	Identity, credentialing, and access management reduction .....		[-5,000]
230	FLEET BALLISTIC MISSILE .....	1,476,247	1,476,247
240	WEAPONS MAINTENANCE .....	1,538,743	1,538,743
250	OTHER WEAPON SYSTEMS SUPPORT .....	592,357	592,357
260	ENTERPRISE INFORMATION .....	734,970	734,970
270	SUSTAINMENT, RESTORATION AND MODERNIZATION ....	2,961,937	3,536,937
	Program increase FSRM to 100% .....		[575,000]
280	BASE OPERATING SUPPORT .....	4,826,314	4,826,314
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>51,225,390</b>	<b>52,958,130</b>
<b>MOBILIZATION</b>			
290	SHIP PREPOSITIONING AND SURGE .....	457,015	506,315
	Navy UFR—Maritime Prepositioning Force (MPF) Engine Overhauls .....		[49,300]
300	READY RESERVE FORCE .....	645,522	645,522
310	SHIP ACTIVATIONS/INACTIVATIONS .....	353,530	353,530
320	EXPEDITIONARY HEALTH SERVICES SYSTEMS .....	149,384	164,184
	Navy UFR—Expeditionary medical readiness .....		[14,800]
330	COAST GUARD SUPPORT .....	20,639	20,639
	<b>SUBTOTAL MOBILIZATION</b> .....	<b>1,626,090</b>	<b>1,690,190</b>
<b>TRAINING AND RECRUITING</b>			
340	OFFICER ACQUISITION .....	172,913	172,913
350	RECRUIT TRAINING .....	13,813	13,813
360	RESERVE OFFICERS TRAINING CORPS .....	167,152	167,152
370	SPECIALIZED SKILL TRAINING .....	1,053,104	1,053,104
380	PROFESSIONAL DEVELOPMENT EDUCATION .....	311,209	311,209
390	TRAINING SUPPORT .....	306,302	306,302
400	RECRUITING AND ADVERTISING .....	205,219	205,219
410	OFF-DUTY AND VOLUNTARY EDUCATION .....	79,053	79,053
420	CIVILIAN EDUCATION AND TRAINING .....	109,754	109,754
430	JUNIOR ROTC .....	57,323	57,323
	<b>SUBTOTAL TRAINING AND RECRUITING</b> .....	<b>2,475,842</b>	<b>2,475,842</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
440	ADMINISTRATION .....	1,268,961	1,268,961
450	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT .....	212,952	212,952
460	MILITARY MANPOWER AND PERSONNEL MANAGEMENT .....	562,546	562,546
470	MEDICAL ACTIVITIES .....	285,436	285,436
480	SERVICEWIDE TRANSPORTATION .....	217,782	217,782
500	PLANNING, ENGINEERING, AND PROGRAM SUPPORT .....	479,480	479,480
510	ACQUISITION, LOGISTICS, AND OVERSIGHT .....	741,045	741,045
520	INVESTIGATIVE AND SECURITY SERVICES .....	738,187	738,187
9999	CLASSIFIED PROGRAMS .....	607,517	607,517
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b> .....	<b>5,113,906</b>	<b>5,113,906</b>
<b>UNDISTRIBUTED</b>			
998	UNDISTRIBUTED .....	0	-377,115
	Bulk fuel adjustment .....		[-54,315]
	Foreign currency fluctuations .....		[-96,000]
	Printing costs reduction .....		[-5,100]
	Unobligated balances .....		[-221,700]
	<b>SUBTOTAL UNDISTRIBUTED</b> .....	<b>0</b>	<b>-377,115</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY</b> .....	<b>60,441,228</b>	<b>61,860,953</b>
<b>OPERATION &amp; MAINTENANCE, MARINE CORPS OPERATING FORCES</b>			
010	OPERATIONAL FORCES .....	1,587,456	1,632,756
	Marine Corps UFR—Plate Carrier Gen III .....		[45,300]
020	FIELD LOGISTICS .....	1,532,630	1,532,630
030	DEPOT MAINTENANCE .....	215,949	215,949

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	Senate Authorized
040	MARITIME PREPOSITIONING .....	107,969	107,969
050	CYBERSPACE ACTIVITIES .....	233,486	233,486
060	SUSTAINMENT, RESTORATION & MODERNIZATION .....	1,221,117	1,445,117
	Program increase FSRM to 100% .....		[224,000]
070	BASE OPERATING SUPPORT .....	2,563,278	2,563,278
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>7,461,885</b>	<b>7,731,185</b>
<b>TRAINING AND RECRUITING</b>			
080	RECRUIT TRAINING .....	24,729	24,729
090	OFFICER ACQUISITION .....	1,208	1,208
100	SPECIALIZED SKILL TRAINING .....	110,752	110,752
110	PROFESSIONAL DEVELOPMENT EDUCATION .....	61,539	61,539
120	TRAINING SUPPORT .....	490,975	490,975
130	RECRUITING AND ADVERTISING .....	223,643	223,643
140	OFF-DUTY AND VOLUNTARY EDUCATION .....	49,369	49,369
150	JUNIOR ROTC .....	26,065	26,065
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>988,280</b>	<b>988,280</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
160	SERVICEWIDE TRANSPORTATION .....	100,475	100,475
170	ADMINISTRATION .....	410,729	410,729
9999	CLASSIFIED PROGRAMS .....	63,422	63,422
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>574,626</b>	<b>574,626</b>
<b>UNDISTRIBUTED</b>			
998	UNDISTRIBUTED .....	0	-108,815
	Bulk fuel adjustment .....		[-54,315]
	Foreign currency fluctuations .....		[-12,000]
	Printing costs reduction .....		[-5,100]
	Unobligated balances .....		[-37,400]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>	<b>0</b>	<b>-108,815</b>
<b>TOTAL OPERATION &amp; MAINTENANCE, MARINE CORPS .....</b>		<b>9,024,791</b>	<b>9,185,276</b>
<b>OPERATION &amp; MAINTENANCE, NAVY RES OPERATING FORCES</b>			
010	MISSION AND OTHER FLIGHT OPERATIONS .....	628,522	628,522
020	INTERMEDIATE MAINTENANCE .....	9,593	9,593
030	AIRCRAFT DEPOT MAINTENANCE .....	135,280	135,280
040	AIRCRAFT DEPOT OPERATIONS SUPPORT .....	497	497
050	AVIATION LOGISTICS .....	29,435	29,435
070	COMBAT COMMUNICATIONS .....	18,469	18,469
080	COMBAT SUPPORT FORCES .....	136,710	136,710
090	CYBERSPACE ACTIVITIES .....	440	440
100	ENTERPRISE INFORMATION .....	26,628	26,628
110	SUSTAINMENT, RESTORATION AND MODERNIZATION .....	42,311	42,311
120	BASE OPERATING SUPPORT .....	103,606	103,606
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>1,131,491</b>	<b>1,131,491</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
130	ADMINISTRATION .....	1,943	1,943
140	MILITARY MANPOWER AND PERSONNEL MANAGEMENT .....	12,191	12,191
150	ACQUISITION AND PROGRAM MANAGEMENT .....	3,073	3,073
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>17,207</b>	<b>17,207</b>
<b>UNDISTRIBUTED</b>			
998	UNDISTRIBUTED .....	0	-17,495
	Bulk fuel adjustment .....		[-3,195]
	Unobligated balances .....		[-14,300]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>	<b>0</b>	<b>-17,495</b>
<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY RES .....</b>		<b>1,148,698</b>	<b>1,131,203</b>
<b>OPERATION &amp; MAINTENANCE, MC RESERVE OPERATING FORCES</b>			
010	OPERATING FORCES .....	102,271	148,171
	Marine Corps UFR—Individual combat clothing and equipment .....		[45,900]
020	DEPOT MAINTENANCE .....	16,811	16,811
030	SUSTAINMENT, RESTORATION AND MODERNIZATION .....	42,702	42,702

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	Senate Authorized
040	BASE OPERATING SUPPORT .....	109,210	109,210
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>270,994</b>	<b>316,894</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
050	ADMINISTRATION .....	14,056	14,056
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>14,056</b>	<b>14,056</b>
<b>UNDISTRIBUTED</b>			
998	UNDISTRIBUTED .....	0	-7,695
	Bulk fuel adjustment .....		[-3,195]
	Unobligated balances .....		[-4,500]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>	<b>0</b>	<b>-7,695</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MC RE-SERVE .....</b>	<b>285,050</b>	<b>323,255</b>
<b>OPERATION &amp; MAINTENANCE, AIR FORCE OPERATING FORCES</b>			
010	PRIMARY COMBAT FORCES .....	706,860	706,860
020	COMBAT ENHANCEMENT FORCES .....	2,382,448	2,478,948
	Air Force UFR—Build command and control framework .....		[5,000]
	Air Force UFR—Weapon system sustainment .....		[37,000]
	CENTCOM UFR—Additional ISR .....		[53,000]
	EUCOM UFR—Air Base Air Defense Operations Center .....		[1,500]
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS) ....	1,555,320	1,840,320
	Air Force UFR—FSRM .....		[285,000]
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	3,661,762	3,870,762
	Air Force UFR—Weapon system sustainment .....		[209,000]
050	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	3,867,114	4,611,114
	Program increase FSRM to 100% .....		[744,000]
060	CYBERSPACE SUSTAINMENT .....	179,568	295,568
	Air Force UFR—Weapon system sustainment .....		[116,000]
070	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT .....	8,457,653	9,186,653
	A-10/F-35 contract maintenance .....		[156,000]
	Air Force UFR—Build command and control framework .....		[112,000]
	Air Force UFR—F-35 weapon system sustainment .....		[185,000]
	Air Force UFR—Weapon system sustainment .....		[276,000]
080	FLYING HOUR PROGRAM .....	5,646,730	6,115,730
	Air Force UFR—Weapon system sustainment .....		[114,000]
	Restore A10s divestment .....		[272,000]
	Restore C130s divestment .....		[83,000]
090	BASE SUPPORT .....	9,846,037	9,931,037
	Air Force UFR—Build command and control framework .....		[85,000]
100	GLOBAL C3I AND EARLY WARNING .....	979,705	979,705
110	OTHER COMBAT OPS SPT PROGRAMS .....	1,418,515	1,424,825
	Commercial economic analysis program reduction .....		[-3,000]
	EUCOM UFR—Air base air defense .....		[110]
	EUCOM UFR—Mission Partner Environment .....		[9,200]
120	CYBERSPACE ACTIVITIES .....	864,761	864,761
150	SPACE CONTROL SYSTEMS .....	13,223	13,223
160	US NORTHCOM/NORAD .....	196,774	196,774
170	US STRATCOM .....	475,015	475,015
180	US CYBERCOM .....	389,663	420,963
	CYBERCOM UFR—Acceleration of cyber intelligence .....		[3,200]
	CYBERCOM UFR—Acquisition personnel .....		[4,800]
	CYBERCOM UFR—Advanced cyber training .....		[23,300]
190	US CENTCOM .....	372,354	391,354
	CENTCOM UFR—MISO program .....		[24,000]
	Program reduction to OSCI .....		[-5,000]
200	US SOCOM .....	28,733	28,733
220	CENTCOM CYBERSPACE SUSTAINMENT .....	1,289	1,289
230	USSPACECOM .....	272,601	329,601
	SPACECOM UFR—Bridging space protection gaps .....		[30,200]
	SPACECOM UFR—Pathway to full operational capability .....		[26,800]
9999	CLASSIFIED PROGRAMS .....	1,454,383	1,443,883
	Capabilities Management Office reduction .....		[-5,000]
	CCMD Intelligence Information Technology reduction .....		[-3,000]
	Strategy Coordination reduction .....		[-2,500]

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	Senate Authorized
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>42,770,508</b>	<b>45,607,118</b>
	<b>MOBILIZATION</b>		
240	AIRLIFT OPERATIONS .....	2,422,784	2,422,784
250	MOBILIZATION PREPAREDNESS .....	667,851	667,851
	<b>SUBTOTAL MOBILIZATION</b> .....	<b>3,090,635</b>	<b>3,090,635</b>
	<b>TRAINING AND RECRUITING</b>		
260	OFFICER ACQUISITION .....	156,193	156,193
270	RECRUIT TRAINING .....	26,072	26,072
280	RESERVE OFFICERS TRAINING CORPS (ROTC) .....	127,693	127,693
290	SPECIALIZED SKILL TRAINING .....	491,286	491,286
300	FLIGHT TRAINING .....	718,742	718,742
310	PROFESSIONAL DEVELOPMENT EDUCATION .....	302,092	302,092
320	TRAINING SUPPORT .....	162,165	162,165
330	RECRUITING AND ADVERTISING .....	171,339	171,339
340	EXAMINING .....	8,178	8,178
350	OFF-DUTY AND VOLUNTARY EDUCATION .....	236,760	236,760
360	CIVILIAN EDUCATION AND TRAINING .....	306,602	306,602
370	JUNIOR ROTC .....	65,940	65,940
	<b>SUBTOTAL TRAINING AND RECRUITING</b> .....	<b>2,773,062</b>	<b>2,773,062</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
380	LOGISTICS OPERATIONS .....	1,062,709	1,062,709
390	TECHNICAL SUPPORT ACTIVITIES .....	169,957	169,957
400	ADMINISTRATION .....	1,005,827	1,005,827
410	SERVICEWIDE COMMUNICATIONS .....	31,054	31,054
420	OTHER SERVICEWIDE ACTIVITIES .....	1,470,757	1,476,757
	Air Force UFR—Build command and control framework .....		[6,000]
430	CIVIL AIR PATROL .....	29,128	29,128
450	INTERNATIONAL SUPPORT .....	81,118	81,118
9999	CLASSIFIED PROGRAMS .....	1,391,720	1,391,720
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES</b> .....	<b>5,242,270</b>	<b>5,248,270</b>
	<b>UNDISTRIBUTED</b>		
998	UNDISTRIBUTED .....	0	-594,865
	Bulk fuel adjustment .....		[-150,165]
	Foreign currency fluctuations .....		[-81,000]
	Printing costs reduction .....		[-5,100]
	Unobligated balances .....		[-358,600]
	<b>SUBTOTAL UNDISTRIBUTED</b> .....	<b>0</b>	<b>-594,865</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AIR FORCE</b>	<b>53,876,475</b>	<b>56,124,220</b>
	<b>OPERATION &amp; MAINTENANCE, SPACE FORCE</b>		
	<b>OPERATING FORCES</b>		
010	GLOBAL C3I & EARLY WARNING .....	495,615	521,315
	Space Force UFR—Maintenance contracts for missile warning and defense systems .....		[25,700]
020	SPACE LAUNCH OPERATIONS .....	185,700	185,700
030	SPACE OPERATIONS .....	611,269	620,769
	Space Force UFR—Increase operational support to SPACECOM ...		[5,500]
	Space Force UFR—Space Commercially Augmented Mission Platform .....		[4,000]
040	EDUCATION & TRAINING .....	22,887	108,887
	Space Force UFR—Accelerate Space Force PME .....		[86,000]
060	DEPOT MAINTENANCE .....	280,165	306,365
	Space Force UFR—Weapon system sustainment .....		[26,200]
070	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	213,347	281,147
	Space Force UFR—Aircraft fire training mock-up .....		[1,500]
	Space Force UFR—FSRM Cheyenne Mountain Complex .....		[66,300]
080	CONTRACTOR LOGISTICS AND SYSTEM SUPPORT .....	1,158,707	1,254,707
	Space Force UFR—Weapon system sustainment .....		[96,000]
090	SPACE OPERATIONS -BOS .....	143,520	143,520
9999	CLASSIFIED PROGRAMS .....	172,755	172,755
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>3,283,965</b>	<b>3,595,165</b>
	<b>ADMINISTRATION AND SERVICE WIDE ACTIVITIES</b>		

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	Senate Authorized
100	ADMINISTRATION .....	156,747	156,747
	<b>SUBTOTAL ADMINISTRATION AND SERVICE WIDE ACTIVITIES .....</b>	<b>156,747</b>	<b>156,747</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, SPACE FORCE .....</b>	<b>3,440,712</b>	<b>3,751,912</b>
	<b>OPERATION &amp; MAINTENANCE, AF RESERVE OPERATING FORCES</b>		
010	PRIMARY COMBAT FORCES .....	1,665,015	1,665,015
020	MISSION SUPPORT OPERATIONS .....	179,486	179,486
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	530,540	530,540
040	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	114,987	123,987
	Air Force UFR—FSRM .....		[9,000]
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT .....	254,831	254,831
060	BASE SUPPORT .....	470,801	470,801
070	CYBERSPACE ACTIVITIES .....	1,372	1,372
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>3,217,032</b>	<b>3,226,032</b>
	<b>ADMINISTRATION AND SERVICEWIDE ACTIVITIES</b>		
080	ADMINISTRATION .....	91,289	91,289
090	RECRUITING AND ADVERTISING .....	23,181	23,181
100	MILITARY MANPOWER AND PERS MGMT (ARPC) .....	13,966	13,966
110	OTHER PERS SUPPORT (DISABILITY COMP) .....	6,196	6,196
120	AUDIOVISUAL .....	442	442
	<b>SUBTOTAL ADMINISTRATION AND SERVICEWIDE ACTIVITIES .....</b>	<b>135,074</b>	<b>135,074</b>
	<b>UNDISTRIBUTED</b>		
998	UNDISTRIBUTED .....	0	-43,295
	Bulk fuel adjustment .....		[-3,195]
	Unobligated balances .....		[-40,100]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>	<b>0</b>	<b>-43,295</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AF RESERVE .....</b>	<b>3,352,106</b>	<b>3,317,811</b>
	<b>OPERATION &amp; MAINTENANCE, ANG OPERATING FORCES</b>		
010	AIRCRAFT OPERATIONS .....	2,281,432	2,281,432
020	MISSION SUPPORT OPERATIONS .....	582,848	588,748
	CNGB UFR—HRF/CERFP sustainment .....		[5,900]
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	1,241,318	1,241,318
040	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	353,193	379,193
	Air Force UFR—FSRM .....		[26,000]
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT .....	1,077,654	1,077,654
060	BASE SUPPORT .....	908,198	925,598
	CNGB UFR—Security forces hearing and comm package .....		[17,400]
070	CYBERSPACE SUSTAINMENT .....	23,895	23,895
080	CYBERSPACE ACTIVITIES .....	17,263	17,263
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>6,485,801</b>	<b>6,535,101</b>
	<b>ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</b>		
090	ADMINISTRATION .....	46,455	46,455
100	RECRUITING AND ADVERTISING .....	41,764	41,764
	<b>SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES .....</b>	<b>88,219</b>	<b>88,219</b>
	<b>UNDISTRIBUTED</b>		
998	UNDISTRIBUTED .....	0	-66,275
	Bulk fuel adjustment .....		[-15,975]
	Unobligated balances .....		[-50,300]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>	<b>0</b>	<b>-66,275</b>

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	Senate Authorized
	<b>TOTAL OPERATION &amp; MAINTENANCE, ANG</b>	<b>6,574,020</b>	<b>6,557,045</b>
	<b>OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES</b>		
010	JOINT CHIEFS OF STAFF	407,240	407,240
020	JOINT CHIEFS OF STAFF—CE2T2	554,634	677,734
	AFRICOM UFR—Joint Exercise Program		[18,000]
	CENTCOM UFR—EAGER LION		[20,000]
	INDOPACOM UFR—Joint Exercise Program		[35,100]
	Joint Exercise Program—restore to FY21 levels		[50,000]
030	JOINT CHIEFS OF STAFF—CYBER	8,098	8,098
050	SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES	2,044,479	2,047,789
	SOCOM UFR—Armored ground mobility systems acceleration		[3,310]
060	SPECIAL OPERATIONS COMMAND CYBERSPACE ACTIVITIES	45,851	45,851
070	SPECIAL OPERATIONS COMMAND INTELLIGENCE	1,614,757	1,614,757
080	SPECIAL OPERATIONS COMMAND MAINTENANCE	1,081,869	1,088,210
	SOCOM UFR—Modernized forward look sonar		[900]
	SOCOM UFR—Personal signature management acceleration		[5,441]
090	SPECIAL OPERATIONS COMMAND MANAGEMENT/OPERATIONAL HEADQUARTERS	180,042	180,042
100	SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT	1,202,060	1,202,060
110	SPECIAL OPERATIONS COMMAND THEATER FORCES	3,175,789	3,175,789
	<b>SUBTOTAL OPERATING FORCES</b>	<b>10,314,819</b>	<b>10,447,570</b>
	<b>TRAINING AND RECRUITING</b>		
130	DEFENSE ACQUISITION UNIVERSITY	171,607	171,607
140	JOINT CHIEFS OF STAFF	92,905	92,905
150	PROFESSIONAL DEVELOPMENT EDUCATION	31,669	31,669
	<b>SUBTOTAL TRAINING AND RECRUITING</b>	<b>296,181</b>	<b>296,181</b>
	<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>		
170	CIVIL MILITARY PROGRAMS	137,311	157,311
	Innovative readiness training increase		[5,000]
	STARBASE		[15,000]
190	DEFENSE CONTRACT AUDIT AGENCY	618,526	618,526
200	DEFENSE CONTRACT AUDIT AGENCY—CYBER	3,984	3,984
220	DEFENSE CONTRACT MANAGEMENT AGENCY	1,438,296	1,438,296
230	DEFENSE CONTRACT MANAGEMENT AGENCY—CYBER	11,999	11,999
240	DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY	941,488	946,488
	DCSA Analytic tools for assessing FOCI		[5,000]
260	DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY—CYBER	9,859	9,859
270	DEFENSE HUMAN RESOURCES ACTIVITY	816,168	831,168
	Troops-to-Teachers		[15,000]
280	DEFENSE HUMAN RESOURCES ACTIVITY—CYBER	17,655	17,655
290	DEFENSE INFORMATION SYSTEMS AGENCY	1,913,734	1,955,734
	milCloud 2.0 migration		[42,000]
310	DEFENSE INFORMATION SYSTEMS AGENCY—CYBER	530,278	615,378
	Automated C2, orchestration, other increased capabilities for JFHQ-DODIN		[25,000]
	CYBERCOM UFR—Hardening of DODIN		[60,100]
350	DEFENSE LEGAL SERVICES AGENCY	229,498	229,498
360	DEFENSE LOGISTICS AGENCY	402,864	402,864
370	DEFENSE MEDIA ACTIVITY	222,655	222,655
380	DEFENSE PERSONNEL ACCOUNTING AGENCY	130,174	130,174
390	DEFENSE SECURITY COOPERATION AGENCY	2,067,446	2,405,736
	AFRICOM UFR—AFRICOM security cooperation program increase		[60,000]
	Increase to Ukraine Security Assistance Initiative		[50,000]
	INDOPACOM UFR—INDOPACOM security cooperation program increase		[130,600]
	Joint Combined Exchange Training—restore to FY21 levels		[3,190]
	SOUTHCOM UFR—Air Mobility Initiative		[85,000]
	SOUTHCOM UFR—Central America Border Security Initiative		[9,500]
420	DEFENSE TECHNOLOGY SECURITY ADMINISTRATION	39,305	39,305
440	DEFENSE THREAT REDUCTION AGENCY	885,749	885,749

<b>SEC. 4301. OPERATION AND MAINTENANCE</b> (In Thousands of Dollars)			
<b>Line</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>Senate Authorized</b>
460	DEFENSE THREAT REDUCTION AGENCY—CYBER .....	36,736	36,736
470	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY .....	3,138,345	3,208,345
	Impact Aid for children with severe disabilities .....		[20,000]
	Impact Aid for schools with military dependent students .....		[50,000]
490	MISSILE DEFENSE AGENCY .....	502,450	502,450
530	OFFICE OF THE LOCAL DEFENSE COMMUNITY CO-OPERATION—OSD .....	89,686	89,686
540	OFFICE OF THE SECRETARY OF DEFENSE .....	1,766,614	1,864,114
	Analytical tools in evaluating energy resilience measures .....		[2,000]
	Bien Hoa dioxin cleanup .....		[15,000]
	Centers for Disease Control and Prevention nation-wide human health assessment .....		[15,000]
	Congressional Hearings and Reporting Requirements Tracking System modernization .....		[2,000]
	Cost Assessment Data Enterprise .....		[3,500]
	Defense Environmental International Cooperation program increase .....		[2,000]
	Interstate compacts on licensed occupations .....		[4,000]
	Joint Aviation Safety Council .....		[4,000]
	Office of the Secretary of Defense civilian workforce .....		[25,000]
	Personnel in the Office of Assistant Secretary of Defense Sustainment and Environment, Safety, and Occupational Health .....		[5,000]
	Strategic competition initiative .....		[20,000]
550	OFFICE OF THE SECRETARY OF DEFENSE—CYBER .....	32,851	32,851
560	SPACE DEVELOPMENT AGENCY .....	53,851	53,851
570	WASHINGTON HEADQUARTERS SERVICES .....	369,698	369,698
999	CLASSIFIED PROGRAMS .....	17,900,146	17,900,146
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES .....</b>	<b>34,307,366</b>	<b>34,980,256</b>
	<b>TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE .....</b>	<b>44,918,366</b>	<b>45,079,862</b>
	<b>UNDISTRIBUTED OPERATION &amp; MAINTENANCE, DEFENSE-WIDE</b>		
998	UNDISTRIBUTED .....	0	-644,145
	Bulk fuel adjustment .....		[-3,195]
	Foreign currency fluctuations .....		[-30,000]
	Printing costs reduction .....		[-5,100]
	Program reduction—SOCOM unjustified increase in management and headquarters expenses .....		[-28,650]
	Unobligated balances .....		[-577,200]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>	<b>0</b>	<b>-644,145</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, DEFENSE-WIDE .....</b>	<b>0</b>	<b>161,496</b>
	<b>MISCELLANEOUS APPROPRIATIONS</b>		
	<b>US COURT OF APPEALS FOR THE ARMED FORCES, DEF</b>		
010	US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE .....	15,589	15,589
	<b>SUBTOTAL US COURT OF APPEALS FOR THE ARMED FORCES, DEF .....</b>	<b>15,589</b>	<b>15,589</b>
	<b>TOTAL MISCELLANEOUS APPROPRIATIONS .....</b>	<b>15,589</b>	<b>15,589</b>
	<b>MISCELLANEOUS APPROPRIATIONS</b>		
	<b>OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID</b>		
010	OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID ...	110,051	135,051
	Program increase .....		[25,000]
	<b>SUBTOTAL OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID .....</b>	<b>110,051</b>	<b>135,051</b>
	<b>TOTAL MISCELLANEOUS APPROPRIATIONS .....</b>	<b>110,051</b>	<b>135,051</b>
	<b>MISCELLANEOUS APPROPRIATIONS</b>		
	<b>COOPERATIVE THREAT REDUCTION ACCOUNT</b>		
010	COOPERATIVE THREAT REDUCTION .....	239,849	239,849

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	Senate Authorized
	<b>SUBTOTAL COOPERATIVE THREAT REDUCTION ACCOUNT .....</b>	<b>239,849</b>	<b>239,849</b>
	<b>TOTAL MISCELLANEOUS APPROPRIATIONS .....</b>	<b>239,849</b>	<b>239,849</b>
	<b>MISCELLANEOUS APPROPRIATIONS ACQUISITION WORKFORCE DEVELOPMENT</b>		
010	ACQ WORKFORCE DEV FD .....	54,679	54,679
	<b>SUBTOTAL ACQUISITION WORKFORCE DEVELOPMENT .....</b>	<b>54,679</b>	<b>54,679</b>
	<b>TOTAL MISCELLANEOUS APPROPRIATIONS .....</b>	<b>54,679</b>	<b>54,679</b>
	<b>MISCELLANEOUS APPROPRIATIONS ENVIRONMENTAL RESTORATION, ARMY</b>		
050	ENVIRONMENTAL RESTORATION, ARMY .....	200,806	200,806
	<b>SUBTOTAL ENVIRONMENTAL RESTORATION, ARMY .....</b>	<b>200,806</b>	<b>200,806</b>
	<b>TOTAL MISCELLANEOUS APPROPRIATIONS .....</b>	<b>200,806</b>	<b>200,806</b>
	<b>MISCELLANEOUS APPROPRIATIONS ENVIRONMENTAL RESTORATION, NAVY</b>		
060	ENVIRONMENTAL RESTORATION, NAVY .....	298,250	298,250
	<b>SUBTOTAL ENVIRONMENTAL RESTORATION, NAVY .....</b>	<b>298,250</b>	<b>298,250</b>
	<b>TOTAL MISCELLANEOUS APPROPRIATIONS .....</b>	<b>298,250</b>	<b>298,250</b>
	<b>MISCELLANEOUS APPROPRIATIONS ENVIRONMENTAL RESTORATION, AIR FORCE</b>		
070	ENVIRONMENTAL RESTORATION, AIR FORCE .....	301,768	301,768
	<b>SUBTOTAL ENVIRONMENTAL RESTORATION, AIR FORCE .....</b>	<b>301,768</b>	<b>301,768</b>
	<b>TOTAL MISCELLANEOUS APPROPRIATIONS .....</b>	<b>301,768</b>	<b>301,768</b>
	<b>MISCELLANEOUS APPROPRIATIONS ENVIRONMENTAL RESTORATION, DEFENSE</b>		
080	ENVIRONMENTAL RESTORATION, DEFENSE .....	8,783	8,783
	<b>SUBTOTAL ENVIRONMENTAL RESTORATION, DEFENSE .....</b>	<b>8,783</b>	<b>8,783</b>
	<b>TOTAL MISCELLANEOUS APPROPRIATIONS .....</b>	<b>8,783</b>	<b>8,783</b>
	<b>MISCELLANEOUS APPROPRIATIONS ENVIRONMENTAL RESTORATION FORMERLY USED SITES</b>		
090	ENVIRONMENTAL RESTORATION FORMERLY USED SITES .....	218,580	218,580
	<b>SUBTOTAL ENVIRONMENTAL RESTORATION FORMERLY USED SITES .....</b>	<b>218,580</b>	<b>218,580</b>
	<b>TOTAL MISCELLANEOUS APPROPRIATIONS .....</b>	<b>218,580</b>	<b>218,580</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE .....</b>	<b>253,623,852</b>	<b>260,571,205</b>



1 **TITLE XLIV—MILITARY**  
 2 **PERSONNEL**

3 **SEC. 4401. MILITARY PERSONNEL.**

<b>SEC. 4401. MILITARY PERSONNEL</b> (In Thousands of Dollars)		
<b>Item</b>	<b>FY 2022 Request</b>	<b>Senate Authorized</b>
<b>MILITARY PERSONNEL</b>		
<b>MILITARY PERSONNEL APPROPRIATIONS</b>		
MILITARY PERSONNEL APPROPRIATIONS .....	157,947,920	157,451,308
A-10/F-35 Active duty maintainers .....		93,000
Army UFR – JTIMS exercise support .....		67,435
Army UFR – Reserve Component EDI for Rotational Forces ..		55,999
Army UFR – Reserve Component Homeland Security Ops .....		228,410
CNGB UFR – CBRN Response Forces .....		9,200
Military personnel historical underexecution .....		[-950,656]
<b>SUBTOTAL MILITARY PERSONNEL APPROPRIATIONS .....</b>	<b>157,947,920</b>	<b>157,451,308</b>
<b>MEDICARE-ELIGIBLE RETIREE HEALTH CARE FUND CONTRIBUTIONS</b>		
MEDICARE-ELIGIBLE RETIREE HEALTH CARE FUND CONTRIBUTIONS .....	9,337,175	9,337,175
<b>SUBTOTAL MEDICARE-ELIGIBLE RETIREE HEALTH CARE FUND CONTRIBUTIONS .....</b>	<b>9,337,175</b>	<b>9,337,175</b>
<b>TOTAL MILITARY PERSONNEL .....</b>	<b>167,285,095</b>	<b>166,788,483</b>

4 **TITLE XLV—OTHER**  
 5 **AUTHORIZATIONS**

6 **SEC. 4501. OTHER AUTHORIZATIONS.**

<b>SEC. 4501. OTHER AUTHORIZATIONS</b> (In Thousands of Dollars)			
<b>Line</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>Senate Authorized</b>
<b>WORKING CAPITAL FUND</b>			
<b>WORKING CAPITAL FUND, ARMY</b>			
1	INDUSTRIAL OPERATIONS .....	26,935	26,935
2	SUPPLY MANAGEMENT—ARMY .....	357,776	357,776
	<b>SUBTOTAL WORKING CAPITAL FUND, ARMY .....</b>	<b>384,711</b>	<b>384,711</b>
<b>WORKING CAPITAL FUND, NAVY</b>			
1	SUPPLY MANAGEMENT, NAVY .....	150,000	150,000
	<b>SUBTOTAL WORKING CAPITAL FUND, NAVY .....</b>	<b>150,000</b>	<b>150,000</b>
<b>WORKING CAPITAL FUND, AIR FORCE</b>			
2	SUPPLIES AND MATERIALS .....	77,453	77,453
	<b>SUBTOTAL WORKING CAPITAL FUND, AIR FORCE .....</b>	<b>77,453</b>	<b>77,453</b>
<b>WORKING CAPITAL FUND, DEFENSE-WIDE</b>			
1	ENERGY MANAGEMENT—DEF .....	40,000	40,000
2	SUPPLY CHAIN MANAGEMENT—DEF .....	87,765	87,765
	<b>SUBTOTAL WORKING CAPITAL FUND, DEFENSE-WIDE .....</b>	<b>127,765</b>	<b>127,765</b>
<b>WORKING CAPITAL FUND, DECA</b>			
2	WORKING CAPITAL FUND, DECA .....	1,162,071	1,162,071
	<b>SUBTOTAL WORKING CAPITAL FUND, DECA .....</b>	<b>1,162,071</b>	<b>1,162,071</b>

SEC. 4501. OTHER AUTHORIZATIONS (In Thousands of Dollars)			
Line	Item	FY 2022 Request	Senate Authorized
	<b>TOTAL WORKING CAPITAL FUND .....</b>	<b>1,902,000</b>	<b>1,902,000</b>
	<b>CHEM AGENTS &amp; MUNITIONS DESTRUCTION OPERATION &amp; MAINTENANCE</b>		
1	CHEM DEMILITARIZATION—O&M .....	93,121	93,121
	<b>SUBTOTAL OPERATION &amp; MAINTENANCE .....</b>	<b>93,121</b>	<b>93,121</b>
	<b>RESEARCH, DEVELOPMENT, TEST, AND EVALUATION</b>		
2	CHEM DEMILITARIZATION—RDT&E .....	1,001,231	1,001,231
	<b>SUBTOTAL RESEARCH, DEVELOPMENT, TEST, AND EVALUATION .....</b>	<b>1,001,231</b>	<b>1,001,231</b>
	<b>TOTAL CHEM AGENTS &amp; MUNITIONS DESTRUCTION ...</b>	<b>1,094,352</b>	<b>1,094,352</b>
	<b>DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF DRUG INTRDCTN</b>		
1	COUNTER-NARCOTICS SUPPORT .....	593,250	593,250
	<b>SUBTOTAL DRUG INTRDCTN .....</b>	<b>593,250</b>	<b>593,250</b>
	<b>DRUG DEMAND REDUCTION PROGRAM</b>		
2	DRUG DEMAND REDUCTION PROGRAM .....	126,024	126,024
	<b>SUBTOTAL DRUG DEMAND REDUCTION PROGRAM .....</b>	<b>126,024</b>	<b>126,024</b>
	<b>NATIONAL GUARD COUNTER-DRUG PROGRAM</b>		
3	NATIONAL GUARD COUNTER-DRUG PROGRAM .....	96,970	96,970
	<b>SUBTOTAL NATIONAL GUARD COUNTER-DRUG PRO- GRAM .....</b>	<b>96,970</b>	<b>96,970</b>
	<b>NATIONAL GUARD COUNTER-DRUG SCHOOLS</b>		
4	NATIONAL GUARD COUNTER-DRUG SCHOOLS .....	5,664	5,664
	<b>SUBTOTAL NATIONAL GUARD COUNTER-DRUG SCHOOLS .....</b>	<b>5,664</b>	<b>5,664</b>
	<b>TOTAL DRUG INTERDICTION &amp; CTR-DRUG ACTIVI- TIES, DEF .....</b>	<b>821,908</b>	<b>821,908</b>
	<b>OFFICE OF THE INSPECTOR GENERAL OFFICE OF THE INSPECTOR GENERAL</b>		
1	OPERATION AND MAINTENANCE .....	434,700	434,700
2	OPERATION AND MAINTENANCE .....	1,218	1,218
3	RDT&E .....	2,365	2,365
4	PROCUREMENT .....	80	80
	<b>SUBTOTAL OFFICE OF THE INSPECTOR GENERAL .....</b>	<b>438,363</b>	<b>438,363</b>
	<b>TOTAL OFFICE OF THE INSPECTOR GENERAL .....</b>	<b>438,363</b>	<b>438,363</b>
	<b>DEFENSE HEALTH PROGRAM OPERATION &amp; MAINTENANCE</b>		
1	IN-HOUSE CARE .....	9,720,004	9,750,004
	Anomalous health incidents .....		[30,000]
2	PRIVATE SECTOR CARE .....	18,092,679	18,092,679
3	CONSOLIDATED HEALTH SUPPORT .....	1,541,122	1,541,122
4	INFORMATION MANAGEMENT .....	2,233,677	2,233,677
5	MANAGEMENT ACTIVITIES .....	335,138	335,138
6	EDUCATION AND TRAINING .....	333,234	333,234
7	BASE OPERATIONS/COMMUNICATIONS .....	1,926,865	1,926,865
	<b>SUBTOTAL OPERATION &amp; MAINTENANCE .....</b>	<b>34,182,719</b>	<b>34,212,719</b>
	<b>RDT&amp;E</b>		
10	R&D ADVANCED DEVELOPMENT .....	235,556	235,556
11	R&D DEMONSTRATION/VALIDATION .....	142,252	142,252
12	R&D ENGINEERING DEVELOPMENT .....	101,054	101,054
12	R&D MANAGEMENT AND SUPPORT .....	49,645	49,645
14	R&D CAPABILITIES ENHANCEMENT .....	17,619	17,619
8	R&D RESEARCH .....	9,091	9,091
9	R&D EXPLORATRY DEVELOPMENT .....	75,463	75,463
	<b>SUBTOTAL RDT&amp;E .....</b>	<b>630,680</b>	<b>630,680</b>
	<b>PROCUREMENT</b>		
15	PROC INITIAL OUTFITTING .....	20,926	20,926

<b>SEC. 4501. OTHER AUTHORIZATIONS</b> (In Thousands of Dollars)			
<b>Line</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>Senate Authorized</b>
16	PROC REPLACEMENT & MODERNIZATION .....	250,366	250,366
18	PROC MILITARY HEALTH SYSTEM—DESKTOP TO DATACENTER .....	72,302	72,302
19	PROC DOD HEALTHCARE MANAGEMENT SYSTEM MOD- ERNIZATION .....	435,414	435,414
	<b>SUBTOTAL PROCUREMENT .....</b>	<b>779,008</b>	<b>779,008</b>
	<b>TOTAL DEFENSE HEALTH PROGRAM .....</b>	<b>35,592,407</b>	<b>35,622,407</b>
	<b>TOTAL OTHER AUTHORIZATIONS .....</b>	<b>39,849,030</b>	<b>39,879,030</b>

1 **TITLE XLVI—MILITARY**  
 2 **CONSTRUCTION**  
 3 **SEC. 4601. MILITARY CONSTRUCTION.**

<b>SEC. 4601. MILITARY CONSTRUCTION</b> (In Thousands of Dollars)				
<b>Account</b>	<b>State/Country and Installation</b>	<b>Project Title</b>	<b>FY 2022 Request</b>	<b>Senate Authorized</b>
<b>MILITARY CONSTRUCTION</b>				
<b>ARMY</b>				
	Alabama			
Army	Fort Rucker	AIT Barracks Complex .....	0	66,000
Army	Redstone Arsenal	Propulsion Systems Lab .....	55,000	55,000
	Belgium			
Army	Shape Headquarters	Command and Control Facility .....	16,000	16,000
	California			
Army	Fort Irwin	Simulations Center .....	52,000	52,000
	Georgia			
Army	Fort Gordon	Cyber Instructional Fac (Admin/Cmd) (Inc 2)	69,000	69,000
Army	Fort Stewart	Barracks .....	0	100,000
	Germany			
Army	East Camp	EDI: Barracks and Dining Facility .....	103,000	103,000
	Grafenwoehr			
Army	Smith Barracks	Live Fire Exercise Shootouse .....	16,000	16,000
Army	Smith Barracks	Indoor Small Arms Range .....	17,500	17,500
	Hawaii			
Army	Fort Shafter	Cost to Complete, Command & Control Facility.	0	55,500
Army	West Loeh Naval Magazine Annex	Ammunition Storage .....	51,000	51,000
Army	Wheeler Army Airfield	Aviation Unit OPS Building .....	0	84,000
Army	Wheeler Army Airfield	Rotary Wing Parking Apron .....	0	56,000
	Kansas			
Army	Fort Leavenworth	Child Development Center .....	0	34,000
	Kentucky			
Army	Fort Knox	Child Development Center .....	0	27,000
	Kwajalein			
Army	Kwajalein Atoll	Cost to Complete, Family Housing Replacement Construction.	0	10,000
	Louisiana			
Army	Camp Minden	Collective Training Unaccompanied Housing ...	0	13,800
Army	Fort Polk	Barracks .....	0	56,000
Army	Fort Polk	Joint Operations Center .....	55,000	55,000
	Maryland			
Army	Fort Meade	Barracks .....	81,000	81,000
	New York			
Army	Fort Hamilton	Information Systems Facility .....	26,000	26,000
Army	Watervliet Arsenal	Access Control Point .....	20,000	20,000
Army	West Point Military Reservation	Cost to Complete, Engineering Center .....	0	17,200
	Pennsylvania			
Army	Letterkenny Army Depot	Fire Station .....	21,000	21,000
Army	Tobyhanna Army Depot	Cost to Complete, Family Housing Replacement Construction.	0	7,500
	Puerto Rico			
Army	Fort Buchanan	Cost to Complete, Family Housing Replacement Construction.	0	14,000

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	Senate Authorized
Army	South Carolina Fort Jackson	Cost to Complete, Reception Barracks Complex, Ph 1.	0	21,000
Army	Fort Jackson	Reception Barracks Complex, Ph2 (Inc 2) .....	34,000	34,000
Army	Texas Fort Hood	Barracks .....	0	61,000
Army	Fort Hood	Barracks .....	0	69,000
Army	Virginia Jont Base Langley-Eustis	Cost to Complete, AIT Barracks Complex, Ph 4.	0	16,000
Army	Worldwide Classified Classified Location	Forward Operating Site .....	31,000	31,000
Army	Worldwide Unspecified Unspecified Worldwide Locations	Minor Construction .....	35,543	35,543
Army	Unspecified Worldwide Locations	Planning & Design .....	124,649	124,649
Army	Unspecified Worldwide Locations	Host Nation Support .....	27,000	27,000
Army	Worldwide Various Locations	Lab Planning & Design Unfunded Requirement.	0	45,000
<b>SUBTOTAL ARMY .....</b>			<b>834,692</b>	<b>1,587,692</b>
<b>NAVY</b>				
Navy	Arizona Marine Corps Air Station Yuma	Bachelor Enlisted Quarters .....	0	99,600
Navy	Marine Corps Air Station Yuma	Combat Training Tank Complex .....	0	29,300
Navy	California Camp Pendleton	I MEF Consolidated Information Center (Inc)	19,869	19,869
Navy	Marine Corps Air Ground Combat Center	Wastewater Treatment Plant .....	0	45,000
Navy	Marine Corps Air Station Miramar	Aircraft Maintenance Hangar .....	0	209,500
Navy	Marine Corps Air Station Miramar	F-35 Centralized Engine Repair Facility .....	0	31,400
Navy	Marine Corps Base Camp Pendleton	Basilone Road Realignment .....	0	85,200
Navy	Marine Corps Base Camp Pendleton	CLB MEU Complex .....	0	83,900
Navy	Marine Corps Base Camp Pendleton	Warehouse Replacement .....	0	22,200
Navy	Marine Corps Reserve Depot San Diego	Recruit Mess Hall Replacement .....	0	8,000
Navy	Naval Air Station Lemoore	F-35C Hangar 6 Phase 2 (Mod 3/4) (Inc) ....	75,070	75,070
Navy	Naval Base Coronado	CMV-22B Aircraft Maintenance Hangar .....	0	63,600
Navy	Naval Base San Diego	Pier 6 Replacement (Inc) .....	50,000	50,000
Navy	Naval Base Ventura County	Combat Vehicle Maintenance Facility .....	0	48,700
Navy	Naval Base Ventura County	MQ-25 Aircraft Maintenance Hangar .....	0	148,800
Navy	Naval Weapons Station Seal Beach	Missile Magazines (Inc) .....	10,840	10,840
Navy	San Nicolas Island	Directed Energy Weapons Test Facilities .....	19,907	19,907
Navy	El Salvador Cooperative Security Location Comalapa	Hangar and Ramp Expansion .....	0	28,000
Navy	Florida Marine Corps Support Facility Blount Island	Lighterage and Small Craft Facility .....	0	69,400
Navy	Greece Naval Support Activity Souda Bay	EDI: Joint Mobility Processing Center .....	41,650	41,650
Navy	Guam Andersen Air Force Base	Aviation Admin Building .....	50,890	50,890
Navy	Joint Region Marianas	4th Marines Regiment Facilities .....	109,507	84,507
Navy	Joint Region Marianas	Combat Logistics Battalion-4 Facility .....	92,710	64,710
Navy	Joint Region Marianas	Consolidated Armory .....	43,470	43,470
Navy	Joint Region Marianas	Infantry Battalion Company HQ .....	44,100	44,100
Navy	Joint Region Marianas	Marine Expeditionary Brigade Enablers .....	66,830	66,830
Navy	Joint Region Marianas	Principal End Item (PEI) Warehouse .....	47,110	47,110
Navy	Joint Region Marianas	Bachelor Enlisted Quarters H (Inc) .....	43,200	43,200

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	Senate Authorized
Navy	Joint Region Marianas	X-Ray Wharf Berth 2 .....	103,800	63,800
Navy	Joint Region Marianas	Joint Communication Upgrade (Ine) .....	84,000	84,000
	Hawaii			
Navy	Marine Corps Base Kaneohe Bay	Bachelor Enlisted Quarters Phase II (Ine) .....	0	10,000
Navy	Marine Corps Base Kaneohe Bay	Electrical Distribution Modernization .....	0	64,500
	Japan			
Navy	Fleet Activities Yokosuka	Pier 5 (Berths 2 and 3) (Ine) .....	15,292	15,292
Navy	Fleet Activities Yokosuka	Ship Handling & Combat Training Facilities ..	49,900	49,900
	Maine			
Navy	Portsmouth Naval Shipyard	Multi-Mission Dry Dock #1 Extension (Ine)—Navy #1 Ufr.	0	100,000
Navy	Portsmouth Naval Shipyard	Multi-Mission Dry Dock #1 Extension (Ine) ..	250,000	250,000
	Nevada			
Navy	Naval Air Station Fallon	Training Range Land Acquisition—Phase 2 ...	48,250	0
	North Carolina			
Navy	Camp Lejeune	II MEF Operations Center Replacement (Ine)	42,200	42,200
Navy	Marine Corps Air Station Cherry Point	ATC Tower & Airfield Operations .....	0	18,700
Navy	Marine Corps Air Station Cherry Point	Aircraft Maintenance Hangar .....	207,897	57,897
Navy	Marine Corps Air Station Cherry Point	F-35 Flightline Utilities Modernization Phase 2.	113,520	33,520
Navy	Marine Corps Base Camp Lejeune	Water Treatment Plant Replacement Hadnot Pt.	0	64,200
	South Carolina			
Navy	Marine Corps Air Station Beaufort	Aircraft Maintenance Hangar .....	0	122,600
Navy	Marine Corps Air Station Beaufort	Recycling/Hazardous Waste Facility .....	0	5,000
	Spain			
Navy	Naval Station Rota	EDI: Explosive Ordnance Disposal (EOD) Mobile Unit Facilities.	0	85,600
	Virginia			
Navy	Marine Corps Base Quantico	Vehicle Inspection and Visitor Control Center	42,850	42,850
Navy	Marine Corps Base Quantico	Wargaming Center (Ine) .....	30,500	30,500
Navy	Naval Station Norfolk	CMV-22 Aircraft Maintenance Hangar & Airfield Improvement.	0	75,100
Navy	Naval Station Norfolk	Submarine Pier 3 (Ine) .....	88,923	43,923
Navy	Naval Weapons Station Yorktown	Navy Munitions Command (Nmc) Ordnance Facilities Recap, Phase 2.	0	13,500
Navy	Portsmouth Naval Shipyard	Dry Dock Saltwater System for CVN-78 .....	156,380	56,380
	Worldwide Unspecified			
Navy	Unspecified Worldwide Locations	Unspecified Minor Military Construction .....	56,435	56,435
Navy	Unspecified Worldwide Locations	MCON Design Funds .....	363,252	363,252
Navy	Worldwide Various Locations	Consolidated RDT&E Systems Facility P&D (Naval Station Newport).	0	1,700
Navy	Worldwide Various Locations	F-35 Joint Strike Fighter Sustainment Center (P-993) P&D (MCAS Cherry Point).	0	10,000
Navy	Worldwide Various Locations	Hdr Hawaii: Planning and Design .....	0	9,000
Navy	Worldwide Various Locations	Lab Planning & Design Unfunded Requirement.	0	110,000
Navy	Worldwide Various Locations	Next Generation Secure Submarine Platform Facility P&D (Naval Station Newport).	0	4,000
Navy	Worldwide Various Locations	Next Generation Torpedo Integration Lab P&D (Naval Station Newport).	0	1,200
Navy	Worldwide Various Locations	PDI: Planning & Design Unfunded Requirement.	0	68,200
Navy	Worldwide Various Locations	Planning & Design .....	0	40,000
Navy	Worldwide Various Locations	Submarine Payloads Integration Laboratory P&D (Naval Station Newport).	0	1,400
Navy	Worldwide Various Locations	Unspecified Minor Construction .....	0	75,000
<b>SUBTOTAL NAVY .....</b>			<b>2,368,352</b>	<b>3,704,402</b>

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2022 Request	Senate Authorized
<b>AIR FORCE</b>				
	Alaska			
Air Force	Eielson Air Force Base	Contaminated Soil Removal .....	0	44,850
Air Force	Joint Base Elmendorf-Richardson	Extend Runway 16/34 (Inc 1) .....	79,000	79,000
	Arizona			
Air Force	Davis-Monthan Air Force Base	South Wilmot Gate .....	13,400	13,400
Air Force	Luke Air Force Base	F-35A ADAL AMU Facility Squadron #6 .....	28,000	28,000
Air Force	Luke Air Force Base	F-35A Squadron Operations Facility #6 .....	21,000	21,000
	Australia			
Air Force	Royal Australian Air Force Base Darwin	Squadron Operations Facility .....	7,400	7,400
Air Force	Royal Australian Air Force Base Tindal	Aircraft Maintenance Support Facility .....	6,200	6,200
Air Force	Royal Australian Air Force Base Tindal	Squadron Operations Facility .....	8,200	8,200
	California			
Air Force	Edwards Air Force Base	Flight Test Engineering Lab Complex .....	4,000	4,000
Air Force	Vandenberg Space Force Base	GBSD Stage Processing Facility .....	19,000	19,000
Air Force	Vandenberg Space Force Base	GBSD Re-Entry Vehicle Facility .....	48,000	48,000
	Colorado			
Air Force	Schriever Space Force Base	ADAL Fitness Center .....	0	30,000
	District of Columbia			
Air Force	Joint Base Anacostia Bolling	Joint Air Defense Operations Center Phase II	24,000	24,000
	Florida			
Air Force	Eglin Air Force Base	Cost to Complete—Advanced Munitions Technology Complex.	0	31,500
Air Force	Eglin Air Force Base	Flightline Fire Station at Duke Field .....	0	14,000
	Georgia			
Air Force	Moody Air Force Base	41 Rqs Hh-60w Apron .....	0	12,500
	Germany			
Air Force	Spangdahlem Air Base	F/a-22 LO/Composite Repair Facility .....	22,625	22,625
	Guam			
Air Force	Joint Region Marianas	Munitions Storage Igloos IV .....	55,000	55,000
Air Force	Joint Region Marianas	Airfield Damage Repair Warehouse .....	30,000	30,000
Air Force	Joint Region Marianas	Hayman Munitions Storage Igloos, MSA2 .....	9,824	9,824
	Hungary			
Air Force	Keesket Air Base	EDI: Construct Parallel Taxiway .....	38,650	38,650
Air Force	Keesket Air Base	EDI: Construct Airfield Upgrades .....	20,564	20,564
	Italy			
Air Force	Aviano Air Force Base	Area A1 Entry Control Point .....	0	10,200
	Japan			
Air Force	Kadena Air Base	Airfield Damage Repair Storage Facility .....	38,000	38,000
Air Force	Kadena Air Base	Helicopter Rescue OPS Maintenance Hangar	168,000	50,000
Air Force	Kadena Air Base	Replace Munitions Structures .....	26,100	26,100
Air Force	Misawa Air Base	Airfield Damage Repair Facility .....	25,000	25,000
Air Force	Yokota Air Base	Airfield Damage Repair Warehouse .....	0	39,000
Air Force	Yokota Air Base	Construct CATM Facility .....	25,000	25,000
Air Force	Yokota Air Base	C-130J Corrosion Control Hangar .....	67,000	67,000
	Louisiana			
Air Force	Barksdale Air Force Base	Cost to Complete—Entrance Road and Gate ..	0	36,000
Air Force	Barksdale Air Force Base	Weapons Generation Facility (Inc 1) .....	40,000	40,000
	Maryland			
Air Force	Joint Base Andrews	Cost to Complete—Military Working Dog Kennel.	0	7,800
Air Force	Joint Base Andrews	Fire Crash Rescue Station .....	26,000	26,000
	Massachusetts			
Air Force	Hanscom Air Force Base	NC3 Acquisitions Management Facility .....	66,000	66,000
	New Mexico			
Air Force	Kirtland Air Force Base	Cost to Complete—Wyoming Gate Antiterrorism Compliance.	0	5,600
	Ohio			
Air Force	Wright-Patterson Air Force Base	Child Development Center .....	0	24,000
	Oklahoma			
Air Force	Tinker Air Force Base	KC-46A 3-Bay Depot Maintenance Hangar ...	160,000	60,000
	South Carolina			
Air Force	Joint Base Charleston	Fire and Rescue Station .....	0	30,000
Air Force	Joint Base Charleston	Flightline Support Facility .....	0	29,000

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	Senate Authorized
	South Dakota			
Air Force	Ellsworth Air Force Base	B-21 2-Bay LO Restoration Facility (Inc 2)	91,000	41,000
Air Force	Ellsworth Air Force Base	B-21 Field Training Detachment Facility .....	47,000	47,000
Air Force	Ellsworth Air Force Base	B-21 Mission Operations Planning Facility ....	36,000	36,000
Air Force	Ellsworth Air Force Base	B-21 Washrack & Maintenance Hangar .....	65,000	65,000
Air Force	Ellsworth Air Force Base	B-21 ADAL Flight Simulator .....	24,000	24,000
Air Force	Ellsworth Air Force Base	B-21 Formal Training Unit/AMU .....	70,000	70,000
	Spain			
Air Force	Morón Air Base	EDI: Hot Cargo Pad .....	8,542	8,542
	Tennessee			
Air Force	Arnold Air Force Base	Add/Alter Test Cell Delivery Bay .....	0	14,600
	Texas			
Air Force	Joint Base San Antonio	BMT Recruit Dormitory 8 (Inc 3) .....	31,000	31,000
Air Force	Joint Base San Antonio	BMT Recruit Dormitory 7 .....	141,000	141,000
Air Force	Joint Base San Antonio—Fort Sam Houston	Child Development Center – Fsh .....	0	29,000
Air Force	Joint Base San Antonio—Lackland	Child Development Center – Lackland .....	0	29,000
Air Force	Sheppard Air Force Base	Child Development Center .....	20,000	20,000
	United Kingdom			
Air Force	Royal Air Force Fairford	EDI: Construct DABS-FEV Storage .....	94,000	24,000
Air Force	Royal Air Force Lakenheath	Cost to Complete—F-35 ADAL Conventional Munitions MX.	0	4,400
Air Force	Royal Air Force Lakenheath	F-35a Child Development Center .....	0	24,000
Air Force	Royal Air Force Lakenheath	F-35A Weapons Load Training Facility .....	49,000	49,000
Air Force	Royal Air Force Lakenheath	F-35A Munition Inspection Facility .....	31,000	31,000
	Utah			
Air Force	Hill Air Force Base	GBSD Organic Software Sustainment Center (Inc 2).	31,000	31,000
	Virginia			
Air Force	Joint Base Langley Eustis	Fuel System Maintenance Dock .....	0	24,000
	Worldwide Unspecified			
Air Force	Various Worldwide Locations	EDI: Planning & Design .....	648	648
Air Force	Various Worldwide Locations	PDI: Planning & Design .....	27,200	27,200
Air Force	Various Worldwide Locations	Planning & Design .....	201,453	201,453
Air Force	Various Worldwide Locations	Unspecified Minor Military Construction .....	58,884	58,884
Air Force	Worldwide Various Locations	Lab Planning & Design Unfunded Requirement.	0	120,000
Air Force	Worldwide Various Locations	Secure Integration Support Lab W/Land Acquisition P&D (Air Force Maui Optical and Supercomputing Site).	0	8,800
<b>SUBTOTAL AIR FORCE .....</b>			<b>2,102,690</b>	<b>2,332,940</b>
<b>DEFENSE-WIDE</b>				
	Alabama			
Defense-Wide	Fort Rucker	10 MW RICE Generator Plant and Microgrid Controls.	0	24,000
Defense-Wide	Redstone Arsenal	Msic Advanced Analysis Facility Phase 1 (Inc)	0	25,000
	Belgium			
Defense-Wide	Chievres Air Base	Europe West District Superintendent's Office	15,000	15,000
	California			
Defense-Wide	Camp Pendleton	Veterinary Treatment Facility Replacement ....	13,600	13,600
Defense-Wide	Marine Corps Air Station Miramar	Additional LFG Power Meter Station .....	0	4,054
Defense-Wide	Naval Air Weapons Station China Lake / Ridgecrest	Solar Energy Storage System .....	0	9,120
Defense-Wide	Silver Strand Training Complex	SOF NSWG11 Operations Support Facility ....	12,000	12,000
Defense-Wide	Silver Strand Training Complex	SOF ATC Operations Support Facility .....	21,700	21,700

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	Senate Authorized
	Colorado			
Defense-Wide	Buckley Air Force Base	JCC Expansion .....	20,000	20,000
	District of Columbia			
Defense-Wide	Joint Base Anacostia	DIA HQ Cooling Towers and Cond Pumps .....	0	2,257
	Bolling			
Defense-Wide	Joint Base Anacostia	PV Carports .....	0	29,004
	Bolling			
	Florida			
Defense-Wide	MacDill Air Force Base	Transmission and Switching Stations .....	0	22,000
	Georgia			
Defense-Wide	Fort Benning	4.8mw Generation and Microgrid .....	0	17,593
Defense-Wide	Fort Benning	SOF Battalion Headquarters Facility .....	62,000	62,000
Defense-Wide	Fort Stewart	10 MW Generation Plant, With Microgrid Controls.	0	22,000
	Naval Submarine Base			
Defense-Wide	Kings Bay	Electrical Transmission and Distribution .....	0	19,314
	Germany			
Defense-Wide	Ramstein Air Base	Ramstein Middle School .....	93,000	13,000
	Guam			
Defense-Wide	Polaris Point Submarine Base	Inner Apra Harbor Resiliency Upgrades (Phase I).	0	38,300
	Hawaii			
Defense-Wide	Joint Base Pearl Harbor-Hickam	Veterinary Treatment Facility Replacement .....	29,800	29,800
	Idaho			
Defense-Wide	Mountain Home Air Force Base	Water Treatment Plant and Pump Station .....	0	33,800
	Japan			
Defense-Wide	Kadena Air Base	Truck Unload Facilities .....	22,300	22,300
Defense-Wide	Kadena Air Base	Operations Support Facility .....	24,000	24,000
Defense-Wide	Marine Corps Air Base Iwakuni	Fuel Pier .....	57,700	57,700
Defense-Wide	Misawa Air Base	Additive Injection Pump and Storage System	6,000	6,000
Defense-Wide	Naval Air Facility Atsugi	Smart Grid for Utility and Facility Controls .....	0	3,810
Defense-Wide	Yokota Air Base	Hangar/AMU .....	108,253	30,253
	Kuwait			
Defense-Wide	Camp Arifjan	Microgrid Controller, 1.25 MW Solar PV, and 1.5 MWH Battery.	0	15,000
	Maryland			
Defense-Wide	Bethesda Naval Hospital	MEDCEN Addition / Alteration (Inc 5) .....	153,233	153,233
Defense-Wide	Fort Meade	SOF Operations Facility .....	100,000	75,000
Defense-Wide	Fort Meade	NSAW Recap Building 4 (Inc 1) .....	104,100	104,100
Defense-Wide	Fort Meade	NSAW Mission OPS and Records Center (Inc 1).	94,000	94,000
	Michigan			
Defense-Wide	Camp Grayling	650 KW Gas-Fired Micro-Turbine Generation System.	0	5,700
	Mississippi			
Defense-Wide	Camp Shelby	10 MW Generation Plant and Feeder Level Microgrid System.	0	34,500
Defense-Wide	Camp Shelby	Electrical Distribution Infrastructure Undergrounding Hardening Project.	0	11,155
	Missouri			
Defense-Wide	Fort Leonard Wood	Hospital Replacement (Inc 4) .....	160,000	160,000
	New Mexico			
Defense-Wide	Kirtland Air Force Base	Environmental Health Facility Replacement .....	8,600	8,600
	New York			
Defense-Wide	Fort Drum	Well Field Expansion Project .....	0	25,300
	North Carolina			
Defense-Wide	Fort Bragg	10 MW Microgrid Utilizing Existing and New Generators.	0	19,464
Defense-Wide	Fort Bragg	Emergency Water System .....	0	7,705
	North Dakota			
Defense-Wide	Cavalier Air Force Station	Pears Emergency Power Plant Fuel Storage .....	0	24,150
	Ohio			
Defense-Wide	Springfield-Beeckley Municipal Airport	Base-Wide Microgrid With Natural Gas Generator, Photovoltaic and Battery Storage.	0	4,700
	Puerto Rico			
Defense-Wide	Aguadilla	Microgrid Control System, 460 KW PV, 275 KW Generator, 660 Kwh Bess.	0	10,120
Defense-Wide	Fort Allen	Microgrid Control System, 690 KW PV, 275 KW Gen, 570 Kwh Bess.	0	12,190
Defense-Wide	Punta Borinquen	Ramey Unit School Replacement .....	84,000	84,000
	Tennessee			



<b>SEC. 4601. MILITARY CONSTRUCTION</b>				
<b>(In Thousands of Dollars)</b>				
<b>Account</b>	<b>State/Country and Installation</b>	<b>Project Title</b>	<b>FY 2022 Request</b>	<b>Senate Authorized</b>
Defense-Wide	Memphis International Airport	PV Arrays and Battery Storage .....	0	4,780
	Texas			
Defense-Wide	Joint Base San Antonio United Kingdom	Ambulatory Care Center Phase 4 .....	35,000	35,000
Defense-Wide	Menwith Hill Station	Rafnh Main Gate Rehabilitation .....	20,000	20,000
Defense-Wide	Royal Air Force Lakenheath	Hospital Replacement-Temporary Facilities .....	19,283	19,283
	Virginia			
Defense-Wide	Fort Belvoir	Veterinary Treatment Facility Replacement .....	29,800	29,800
Defense-Wide	Fort Belvoir, NGA	Led Upgrade Package .....	0	365
	Campus East			
Defense-Wide	Humphries Engineer Center and Support Activity	SOF Battalion Operations Facility .....	0	36,000
Defense-Wide	National Geospatial-Intelligence Agency Campus East	Electrical System Redundancy .....	0	5,299
Defense-Wide	Pentagon	Consolidated Maintenance Complex (RRMC) .....	20,000	20,000
Defense-Wide	Pentagon	Force Protection Perimeter Enhancements .....	8,608	8,608
Defense-Wide	Pentagon	Public Works Support Facility .....	21,935	21,935
Defense-Wide	Pentagon, Mark Center, and Raven Rock Mountain Complex	Recommissioning of Hvac Systems, Part B .....	0	2,600
	Washington			
Defense-Wide	Oak Harbor	ACC / Dental Clinic .....	59,000	59,000
	Worldwide Unspecified			
Defense-Wide	Unspecified Worldwide Locations	Unspecified Minor Military Construction .....	8,000	8,000
Defense-Wide	Unspecified Worldwide Locations	Planning & Design .....	13,317	13,317
Defense-Wide	Unspecified Worldwide Locations	Planning & Design .....	11,000	11,000
Defense-Wide	Unspecified Worldwide Locations	Unspecified Minor Military Construction .....	4,435	4,435
Defense-Wide	Unspecified Worldwide Locations	Unspecified Minor Military Construction .....	21,746	21,746
Defense-Wide	Unspecified Worldwide Locations	Energy Resilience and Conserv. Invest. Prog. ....	246,600	0
Defense-Wide	Unspecified Worldwide Locations	Unspecified Minor Military Construction .....	3,000	3,000
Defense-Wide	Unspecified Worldwide Locations	Planning & Design .....	14,194	14,194
Defense-Wide	Unspecified Worldwide Locations	ERCIP Design .....	40,150	40,150
Defense-Wide	Unspecified Worldwide Locations	Unspecified Minor Military Construction .....	12,000	12,000
Defense-Wide	Unspecified Worldwide Locations	Planning & Design .....	83,840	83,840
Defense-Wide	Unspecified Worldwide Locations	Exercise Related Minor Construction .....	5,615	5,615
Defense-Wide	Unspecified Worldwide Locations	Planning & Design .....	2,000	2,000
Defense-Wide	Unspecified Worldwide Locations	Planning & Design .....	5,275	5,275
Defense-Wide	Various Worldwide Locations	Planning & Design .....	20,576	20,576
Defense-Wide	Various Worldwide Locations	Planning & Design .....	20,862	20,862
Defense-Wide	Various Worldwide Locations	Unspecified Minor Military Construction .....	6,668	6,668
Defense-Wide	Various Worldwide Locations	Planning & Design .....	35,099	35,099
<b>SUBTOTAL DEFENSE-WIDE .....</b>			<b>1,957,289</b>	<b>1,996,969</b>
<b>ARMY NATIONAL GUARD</b>				
	Alabama			
Army National Guard	Huntsville	National Guard Readiness Center .....	0	17,000
	Connecticut			
Army National Guard	Putnam	National Guard Readiness Center .....	17,500	17,500
	Georgia			
Army National Guard	Fort Benning	Post-Initial Mil. Training Unaccomp. Housing .....	13,200	13,200
	Guam			
Army National Guard	Barrigada	National Guard Readiness Center Addition .....	34,000	34,000
	Idaho			
Army National Guard	Jerome	National Guard Readiness Center .....	15,000	15,000
	Illinois			

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	Senate Authorized
Army National Guard	Bloomington Armory Kansas	National Guard Vehicle Maintenance Shop .....	15,000	15,000
Army National Guard	Topeka Louisiana	National Guard/Reserve Center Building .....	16,732	16,732
Army National Guard	Lake Charles Maine	National Guard Readiness Center .....	18,500	18,500
Army National Guard	Saco Mississippi	National Guard Vehicle Maintenance Shop .....	21,200	21,200
Army National Guard	Camp Shelby Montana	Maneuver Area Training Equipment Site .....	0	15,500
Army National Guard	Butte Nebraska	National Guard Readiness Center .....	16,000	16,000
Army National Guard	Mead Training Site North Dakota	Collective Training Unaccompanied Housing .....	0	11,000
Army National Guard	Dickinson South Dakota	National Guard Readiness Center .....	15,500	15,500
Army National Guard	Sioux Falls Texas	National Guard Readiness Center .....	0	15,000
Army National Guard	Camp Bullis Vermont	Cost to Complete, Vehicle Maintenance Shop .....	0	16,400
Army National Guard	Bennington Virginia	National Guard Readiness Center .....	0	16,900
Army National Guard	Troutville	National Guard Readiness Center Addition .....	6,100	6,100
Army National Guard	Troutville	Combined Support Maintenance Shop Addition .....	6,900	6,900
Army National Guard	Worldwide Unspecified	Unspecified Minor Military Construction .....	39,471	39,471
Army National Guard	Unspecified Worldwide Locations	Planning & Design .....	22,000	22,000
Army National Guard	Worldwide Various Lo- cations	Army Aviation Support Facility P&D (Sandston, VA).	0	6,500
Army National Guard	Worldwide Various Lo- cations	Cost to Complete, Unspecified Minor Con- struction.	0	69,000
Army National Guard	Worldwide Various Lo- cations	Family Housing Planning and Design .....	0	15,000
<b>SUBTOTAL ARMY NATIONAL GUARD .....</b>			<b>257,103</b>	<b>439,403</b>
<b>AIR NATIONAL GUARD</b>				
Air National Guard	Alabama	Montgomery Regional Aircraft Maintenance Facility .....	0	19,200
Air National Guard	Sumpter Smith Air Na- tional Guard Base	Security and Services Training Facility .....	0	7,500
Air National Guard	Connecticut	Bradley International Composite ASE/Vehicle MX Facility .....	0	17,000
Air National Guard	Delaware	New Castle County Air- port	0	17,500
Air National Guard	Idaho	Boise Air Terminal (Gowen Field)	0	6,500
Air National Guard	Illinois	Abraham Lincoln Cap- ital Airport	0	10,200
Air National Guard	Massachusetts	Barnes Air National Guard Base	12,200	12,200
Air National Guard	Michigan	Alpena County Regional Airport	23,000	23,000
Air National Guard	Selfridge Air National Guard Base	A-10 Maintenance Hangar and Shops .....	0	28,000
Air National Guard	W. K. Kellogg Regional Airport	Construct Main Base Entrance .....	10,000	10,000
Air National Guard	Mississippi	Jackson International Airport	9,300	9,300
Air National Guard	New York	Francis S. Gabreski Airport	0	14,800
Air National Guard	Schenectady Municipal Airport	C-130 Flight Simulator Facility .....	10,800	10,800
Air National Guard	Ohio	Camp Perry	7,800	7,800
Air National Guard	South Carolina	McEntire Joint National Guard Base	0	9,000

<b>SEC. 4601. MILITARY CONSTRUCTION</b>				
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<b>Account</b>	<b>State/Country and Installation</b>	<b>Project Title</b>	<b>FY 2022 Request</b>	<b>Senate Authorized</b>
Air National Guard	Meentire Joint National Guard Base	F-16 Mission Training Center .....	9,800	9,800
	South Dakota			
Air National Guard	Joe Foss Field	F-16 Mission Training Center .....	9,800	9,800
	Texas			
Air National Guard	Kelly Field Annex	Aircraft Corrosion Control .....	0	9,500
	Washington			
Air National Guard	Camp Murray Air National Guard Station	Air Support Operations Complex .....	0	27,000
	Wisconsin			
Air National Guard	Truax Field	Medical Readiness Facility .....	13,200	13,200
Air National Guard	Truax Field	F-35 3-Bay Specialized Hangar .....	31,000	31,000
	Worldwide Unspecified			
Air National Guard	Unspecified Worldwide Locations	Unspecified Minor Military Construction .....	29,068	29,068
Air National Guard	Various Worldwide Locations	Planning & Design .....	34,402	34,402
	Wyoming			
Air National Guard	Cheyenne Regional Airport	Combined Vehicle Maintenance & ASE Complex.	13,400	13,400
<b>SUBTOTAL AIR NATIONAL GUARD .....</b>			<b>213,770</b>	<b>379,970</b>
<b>ARMY RESERVE</b>				
	Michigan			
Army Reserve	Southfield	Area Maintenance Support Activity .....	12,000	12,000
	Ohio			
Army Reserve	Wright-Patterson Air Force Base	AR Center Training Building/ UHS .....	19,000	19,000
	Wisconsin			
Army Reserve	Fort McCoy	Transient Training Officer Barracks .....	0	29,200
Army Reserve	Fort McCoy	Transient Training Battalion Headquarters .....	12,200	12,200
	Wisconsin			
Army Reserve	Fort McCoy	Transient Training Enlisted Barracks .....	0	29,200
	Worldwide Unspecified			
Army Reserve	Unspecified Worldwide Locations	Planning & Design .....	7,167	7,167
Army Reserve	Unspecified Worldwide Locations	Unspecified Minor Military Construction .....	14,544	14,544
<b>SUBTOTAL ARMY RESERVE .....</b>			<b>64,911</b>	<b>123,311</b>
<b>NAVY RESERVE</b>				
	Michigan			
Navy Reserve	Navy Operational Support Center Battle Creek	Reserve Center & Vehicle Maintenance Facility	49,090	49,090
	Minnesota			
Navy Reserve	Minneapolis Air Reserve Station	Joint Reserve Intelligence Center .....	14,350	14,350
	Worldwide Unspecified			
Navy Reserve	Unspecified Worldwide Locations	MCNR Unspecified Minor Construction .....	2,359	2,359
Navy Reserve	Unspecified Worldwide Locations	USMCR Planning and Design .....	4,748	4,748
Navy Reserve	Unspecified Worldwide Locations	MCNR Planning & Design .....	1,257	1,257
<b>SUBTOTAL NAVY RESERVE .....</b>			<b>71,804</b>	<b>71,804</b>
<b>AIR FORCE RESERVE</b>				
	California			
Air Force Reserve	Beale Air Force Base	940 ARW SQ OPS & AMU Complex .....	0	33,000
	Florida			
Air Force Reserve	Homestead Air Reserve Base	Corrosion Control Facility .....	14,000	14,000
Air Force Reserve	Patrick Air Force Base	Recovery Flight Simulator .....	18,500	18,500
	Indiana			
Air Force Reserve	Grissom Air Reserve Base	Logistics Readiness Complex .....	0	29,000
	Minnesota			
Air Force Reserve	Minneapolis-St Paul Air Reserve Station	Mission Support Group Facility .....	14,000	14,000
	New York			
Air Force Reserve	Niagara Falls Air Reserve Station	Main Gate .....	10,600	10,600
	Ohio			
Air Force Reserve	Youngstown Air Reserve Base	Assault Runway .....	0	8,700

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	Senate Authorized
Air Force Reserve	Worldwide Unspecified Unspecified Worldwide Locations	Planning & Design .....	5,830	5,830
Air Force Reserve	Unspecified Worldwide Locations	Unspecified Minor Military Construction .....	15,444	15,444
Air Force Reserve	Worldwide Various Locations	Planning and Design - Ke-46 Mob 5 .....	0	15,000
<b>SUBTOTAL AIR FORCE RESERVE .....</b>			<b>78,374</b>	<b>164,074</b>
<b>NATO SECURITY INVESTMENT PROGRAM</b>				
NATO Security Investment Program	Worldwide Unspecified NATO Security Investment Program	NATO Security Investment Program .....	205,853	205,853
<b>SUBTOTAL NATO SECURITY INVESTMENT PROGRAM .....</b>			<b>205,853</b>	<b>205,853</b>
<b>TOTAL MILITARY CONSTRUCTION .....</b>			<b>8,154,838</b>	<b>11,006,418</b>
<b>FAMILY HOUSING CONSTRUCTION, ARMY</b>				
Construction, Army	Italy Vicenza	Family Housing New Construction .....	92,304	92,304
Construction, Army	Worldwide Unspecified Unspecified Worldwide Locations	Family Housing P&D .....	7,545	7,545
<b>SUBTOTAL CONSTRUCTION, ARMY .....</b>			<b>99,849</b>	<b>99,849</b>
<b>O&amp;M, ARMY</b>				
O&M, Army	Worldwide Unspecified Unspecified Worldwide Locations	Management .....	42,850	42,850
O&M, Army	Unspecified Worldwide Locations	Services .....	8,277	8,277
O&M, Army	Unspecified Worldwide Locations	Furnishings .....	18,077	18,077
O&M, Army	Unspecified Worldwide Locations	Miscellaneous .....	556	556
O&M, Army	Unspecified Worldwide Locations	Maintenance .....	111,181	111,181
O&M, Army	Unspecified Worldwide Locations	Utilities .....	43,772	43,772
O&M, Army	Unspecified Worldwide Locations	Leasing .....	128,110	128,110
O&M, Army	Unspecified Worldwide Locations	Housing Privatization Support .....	38,404	38,404
<b>SUBTOTAL O&amp;M, ARMY .....</b>			<b>391,227</b>	<b>391,227</b>
<b>CONSTRUCTION, NAVY AND MARINE CORPS</b>				
Construction, Navy and Marine Corps	Worldwide Unspecified Unspecified Worldwide Locations	USMC DPRI/Guam Planning & Design .....	2,098	2,098
Construction, Navy and Marine Corps	Unspecified Worldwide Locations	Construction Improvements .....	71,884	71,884
Construction, Navy and Marine Corps	Unspecified Worldwide Locations	Planning & Design .....	3,634	3,634
<b>SUBTOTAL CONSTRUCTION, NAVY AND MARINE CORPS .....</b>			<b>77,616</b>	<b>77,616</b>
<b>O&amp;M, NAVY AND MARINE CORPS</b>				
O&M, Navy and Marine Corps	Worldwide Unspecified Unspecified Worldwide Locations	Utilities .....	56,271	56,271
O&M, Navy and Marine Corps	Unspecified Worldwide Locations	Furnishings .....	16,537	16,537
O&M, Navy and Marine Corps	Unspecified Worldwide Locations	Management .....	54,083	54,083
O&M, Navy and Marine Corps	Unspecified Worldwide Locations	Miscellaneous .....	285	285
O&M, Navy and Marine Corps	Unspecified Worldwide Locations	Services .....	17,637	17,637
O&M, Navy and Marine Corps	Unspecified Worldwide Locations	Leasing .....	62,567	62,567
O&M, Navy and Marine Corps	Unspecified Worldwide Locations	Maintenance .....	95,417	95,417
O&M, Navy and Marine Corps	Unspecified Worldwide Locations	Housing Privatization Support .....	54,544	54,544

<b>SEC. 4601. MILITARY CONSTRUCTION</b>				
<b>(In Thousands of Dollars)</b>				
<b>Account</b>	<b>State/Country and Installation</b>	<b>Project Title</b>	<b>FY 2022 Request</b>	<b>Senate Authorized</b>
<b>SUBTOTAL O&amp;M, NAVY AND MARINE CORPS</b>			<b>357,341</b>	<b>357,341</b>
<b>CONSTRUCTION, AIR FORCE</b>				
	Georgia			
Construction, Air Force	Robins Air Force Base	Robins 2 MHPI Restructure	6,000	6,000
	Nebraska			
Construction, Air Force	Offutt Air Force Base	Offutt MHPI Restructure	50,000	50,000
	Worldwide Unspecified			
Construction, Air Force	Unspecified Worldwide Locations	Construction Improvements	49,258	49,258
Construction, Air Force	Unspecified Worldwide Locations	Planning & Design	10,458	10,458
<b>SUBTOTAL CONSTRUCTION, AIR FORCE</b>			<b>115,716</b>	<b>115,716</b>
<b>O&amp;M, AIR FORCE</b>				
	Worldwide Unspecified			
O&M, Air Force	Unspecified Worldwide Locations	Housing Privatization	23,275	23,275
O&M, Air Force	Unspecified Worldwide Locations	Utilities	43,668	43,668
O&M, Air Force	Unspecified Worldwide Locations	Management	70,062	70,062
O&M, Air Force	Unspecified Worldwide Locations	Services	8,124	8,124
O&M, Air Force	Unspecified Worldwide Locations	Furnishings	26,842	26,842
O&M, Air Force	Unspecified Worldwide Locations	Miscellaneous	2,200	2,200
O&M, Air Force	Unspecified Worldwide Locations	Leasing	9,520	9,520
O&M, Air Force	Unspecified Worldwide Locations	Maintenance	141,754	141,754
<b>SUBTOTAL O&amp;M, AIR FORCE</b>			<b>325,445</b>	<b>325,445</b>
<b>O&amp;M, DEFENSE-WIDE</b>				
	Worldwide Unspecified			
O&M, Defense-Wide	Unspecified Worldwide Locations	Utilities	4,166	4,166
O&M, Defense-Wide	Unspecified Worldwide Locations	Furnishings	83	83
O&M, Defense-Wide	Unspecified Worldwide Locations	Utilities	14	14
O&M, Defense-Wide	Unspecified Worldwide Locations	Leasing	13,387	13,387
O&M, Defense-Wide	Unspecified Worldwide Locations	Maintenance	49	49
O&M, Defense-Wide	Unspecified Worldwide Locations	Furnishings	656	656
O&M, Defense-Wide	Unspecified Worldwide Locations	Leasing	31,430	31,430
<b>SUBTOTAL O&amp;M, DEFENSE-WIDE</b>			<b>49,785</b>	<b>49,785</b>
<b>IMPROVEMENT FUND</b>				
	Worldwide Unspecified			
Improvement Fund	Unspecified Worldwide Locations	Administrative Expenses—FHIF	6,081	6,081
<b>SUBTOTAL IMPROVEMENT FUND</b>			<b>6,081</b>	<b>6,081</b>
<b>UNACCMP HSG IMPROVEMENT FUND</b>				
	Worldwide Unspecified			
Unaccmp HSG Improvement Fund	Unspecified Worldwide Locations	Administrative Expenses—UHIF	494	494
<b>SUBTOTAL UNACCMP HSG IMPROVEMENT FUND</b>			<b>494</b>	<b>494</b>
<b>TOTAL FAMILY HOUSING</b>			<b>1,423,554</b>	<b>1,423,554</b>
<b>DEFENSE BASE REALIGNMENT AND CLOSURE</b>				
<b>ARMY BRAC</b>				
	Worldwide Unspecified			
Army BRAC	Base Realignment & Closure	Base Realignment & Closure	65,301	65,301

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	Senate Authorized
<b>SUBTOTAL ARMY BRAC</b> .....			<b>65,301</b>	<b>65,301</b>
<b>NAVY BRAC</b>				
Navy BRAC	Worldwide Unspecified Unspecified Worldwide Locations	Base Realignment & Closure .....	111,155	111,155
<b>SUBTOTAL NAVY BRAC</b> .....			<b>111,155</b>	<b>111,155</b>
<b>AIR FORCE BRAC</b>				
Air Force BRAC	Worldwide Unspecified Unspecified Worldwide Locations	DOD BRAC Activities—Air Force .....	104,216	104,216
<b>SUBTOTAL AIR FORCE BRAC</b> .....			<b>104,216</b>	<b>104,216</b>
<b>DOD BRAC</b>				
DOD BRAC	Worldwide Unspecified Unspecified Worldwide Locations	Int-4: DLA Activities .....	3,967	3,967
<b>SUBTOTAL DOD BRAC</b> .....			<b>3,967</b>	<b>3,967</b>
<b>TOTAL DEFENSE BASE REALIGNMENT AND CLOSURE</b> .....			<b>284,639</b>	<b>284,639</b>
<b>TOTAL MILITARY CONSTRUCTION, FAMILY HOUSING, AND BRAC</b> .....			<b>9,863,031</b>	<b>12,714,611</b>

1 **TITLE XLVII—DEPARTMENT OF**  
 2 **ENERGY NATIONAL SECURITY**  
 3 **PROGRAMS**  
 4 **SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY**  
 5 **PROGRAMS.**

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)			
Program		FY 2022 Request	Senate Authorized
<b>Discretionary Summary by Appropriation</b>			
<b>Energy and Water Development and Related Agencies</b>			
<b>Appropriation Summary:</b>			
<b>Energy Programs</b>			
Nuclear energy .....		149,800	149,800
<b>Atomic Energy Defense Activities</b>			
<b>National Nuclear Security Administration:</b>			
Federal Salaries and Expenses .....		464,000	464,000
Weapons activities .....		15,484,295	15,755,745
Defense nuclear nonproliferation .....		1,934,000	1,991,000
Naval reactors .....		1,860,705	1,860,705
<b>Total, National Nuclear Security Administration</b> .....		<b>19,743,000</b>	<b>20,071,450</b>
Defense environmental cleanup .....		6,841,670	6,573,000
Other defense activities .....		1,170,000	920,000
<b>Total, Atomic Energy Defense Activities</b> .....		<b>27,754,670</b>	<b>27,564,450</b>
<b>Total, Discretionary Funding</b> .....		<b>27,904,470</b>	<b>27,714,250</b>

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2022 Request	Senate Authorized
<b>Nuclear Energy</b>		
Safeguards and security .....	149,800	149,800
<b>Total, Nuclear Energy</b> .....	<b>149,800</b>	<b>149,800</b>
<b>National Nuclear Security Administration</b>		
<b>Federal Salaries and Expenses</b>		
Program direction .....	464,000	464,000
<b>Weapons Activities</b>		
<b>Stockpile management</b>		
<b>Stockpile major modernization</b>		
B61 Life extension program .....	771,664	771,664
W76-2 Modification program .....	0	0
W88 Alteration program .....	207,157	207,157
W80-4 Life extension program .....	1,080,400	1,080,400
W80-4 ALT SLCM .....	10,000	10,000
W87-1 Modification Program (formerly IW1) .....	691,031	691,031
W93 .....	72,000	72,000
Multi-Weapon Systems .....	1,180,483	1,180,483
<b>Total, Stockpile major modernization</b> .....	<b>4,012,735</b>	<b>4,012,735</b>
Weapons dismantlement and disposition .....	51,000	51,000
Production operations .....	568,941	568,941
<b>Total, Stockpile management</b> .....	<b>4,632,676</b>	<b>4,632,676</b>
<b>Production modernization</b>		
<b>Primary capability modernization</b>		
<b>Plutonium modernization</b>		
<b>Los Alamos plutonium modernization</b>		
Los Alamos Plutonium Operations .....	660,419	660,419
21-D-512, Plutonium Pit Production Project, LANL .....	350,000	350,000
<b>Subtotal, Los Alamos plutonium modernization</b> .....	<b>1,010,419</b>	<b>1,010,419</b>
<b>Savannah River plutonium modernization</b>		
Savannah River plutonium operations .....	128,000	128,000
21-D-511, Savannah River Plutonium Processing Facility, SRS .....	475,000	475,000
<b>Subtotal, Savannah River plutonium modernization</b> .....	<b>603,000</b>	<b>603,000</b>
Enterprise Plutonium Support .....	107,098	107,098
<b>Total, Plutonium Modernization</b> .....	<b>1,720,517</b>	<b>1,720,517</b>
High Explosives & Energetics .....	68,785	68,785
<b>Total, Primary capability modernization</b> .....	<b>1,789,302</b>	<b>1,789,302</b>
Secondary Capability Modernization .....	488,097	493,097
Cold hearth furnace for depleted uranium .....		(5,000)
Tritium and Domestic Uranium Enrichment .....	489,017	489,017
Non-Nuclear Capability Modernization .....	144,563	144,563
<b>Total, Production modernization</b> .....	<b>2,910,979</b>	<b>2,915,979</b>
<b>Stockpile research, technology, and engineering</b>		
Assessment science .....	689,578	769,528
Reverse FY22 decrease .....		(79,950)
Engineering and integrated assessments .....	336,766	337,766
Reverse FY22 decrease .....		(1,000)
Inertial confinement fusion .....	529,000	599,000
Reverse FY22 decrease, fund operations and targets .....		(70,000)
Advanced simulation and computing .....	747,012	747,012
Weapon technology and manufacturing maturation .....	292,630	301,130
Reverse FY22 decrease .....		(8,500)
Academic programs .....	85,645	91,945
Reverse FY22 decrease .....		(6,300)
<b>Total, Stockpile research, technology, and engineering</b> .....	<b>2,680,631</b>	<b>2,846,381</b>
<b>Infrastructure and operations</b>		
<b>Operating</b>		
Operations of facilities .....	1,014,000	1,014,000
Safety and Environmental Operations .....	165,354	165,354
Maintenance and Repair of Facilities .....	670,000	670,000
<b>Recapitalization</b>		
Infrastructure and Safety .....	508,664	574,664
Reverse FY22 decrease .....		(66,000)
Capabilities Based Investments .....	143,066	149,166

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2022 Request	Senate Authorized
Reverse FY22 decrease .....		(6,100)
Planning for Programmatic Construction (Pre-CD-1) .....	0	10,000
Reverse FY22 decrease .....		(10,000)
<b>Subtotal, Recapitalization .....</b>	<b>651,730</b>	<b>733,830</b>
<b>Total, Operating .....</b>	<b>2,501,084</b>	<b>2,583,184</b>
<b>I&amp;O: Construction</b>		
<b>Programmatic</b>		
22-D-513 Power Sources Capability, SNL .....	13,827	13,827
21-D-510, HE Synthesis, Formulation, and Production Facility, PX .....	44,500	44,500
18-D-690, Lithium Processing Facility, Y-12 .....	171,902	171,902
18-D-650, Tritium Finishing Facility, SRS .....	27,000	27,000
18-D-620, Exascale Computing Facility Modernization Project, LLNL .....	0	0
17-D-640, U1a Complex Enhancements Project, NNSS .....	135,000	135,000
15-D-302, TA-55 Reinvestment Project—Phase 3, LANL .....	27,000	27,000
15-D-301, HE Science & Engineering Facility, PX .....	0	0
07-D-220-04, Transuranic Liquid Waste Facility, LANL .....	0	0
06-D-141, Uranium Processing Facility, Y-12 .....	524,000	524,000
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL .....	138,123	138,123
<b>Total, Programmatic .....</b>	<b>1,081,352</b>	<b>1,081,352</b>
<b>Mission enabling</b>		
22-D-514 Digital Infrastructure Capability Expansion .....	8,000	8,000
<b>Total, Mission enabling .....</b>	<b>8,000</b>	<b>8,000</b>
<b>Total, I&amp;O construction .....</b>	<b>1,089,352</b>	<b>1,089,352</b>
<b>Total, Infrastructure and operations .....</b>	<b>3,590,436</b>	<b>3,672,536</b>
<b>Secure transportation asset</b>		
Operations and equipment .....	213,704	225,704
Reverse FY22 decrease .....		(12,000)
Program direction .....	123,060	129,660
Reverse FY22 decrease .....		(6,600)
<b>Total, Secure transportation asset .....</b>	<b>336,764</b>	<b>355,364</b>
<b>Defense nuclear security</b>		
Operations and maintenance .....	824,623	824,623
Security improvements program .....	0	0
<b>Construction:</b>		
17-D-710, West end protected area reduction project, Y-12 .....	23,000	23,000
<b>Subtotal, construction .....</b>	<b>23,000</b>	<b>23,000</b>
<b>Total, Defense nuclear security .....</b>	<b>847,623</b>	<b>847,623</b>
<b>Information technology and cybersecurity .....</b>	<b>406,530</b>	406,530
<b>Legacy contractor pensions .....</b>	<b>78,656</b>	78,656
<b>Total, Weapons Activities .....</b>	<b>15,484,295</b>	<b>15,755,745</b>
<b>Adjustments</b>		
Use of prior year balances .....	0	0
<b>Total, Adjustments .....</b>	<b>0</b>	<b>0</b>
<b>Total, Weapons Activities .....</b>	<b>15,484,295</b>	<b>15,755,745</b>
<b>Defense Nuclear Nonproliferation</b>		
<b>Defense Nuclear Nonproliferation Programs</b>		
<b>Material management and minimization</b>		
Conversion (formerly HEU Reactor Conversion) .....	100,660	100,660
Nuclear material removal .....	42,100	42,100
Material disposition .....	200,186	200,186
Laboratory and partnership support .....	0	10,000
Additional isotope production .....		(10,000)
<b>Total, Material management &amp; minimization .....</b>	<b>342,946</b>	<b>352,946</b>
<b>Global material security</b>		
International nuclear security .....	79,939	79,939
Domestic radiological security .....	158,002	185,002
Reverse FY22 decrease .....		(27,000)
International radiological security .....	85,000	85,000
Nuclear smuggling detection and deterrence .....	175,000	185,000



SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2022 Request	Senate Authorized
Additional border screening .....		(10,000)
<b>Total, Global material security .....</b>	<b>497,941</b>	<b>534,941</b>
Nonproliferation and arms control .....	184,795	184,795
National Technical Nuclear Forensics R&D .....	45,000	45,000
<b>Defense nuclear nonproliferation R&amp;D</b>		
Proliferation detection .....	269,407	269,407
Nonproliferation Stewardship program .....	87,329	87,329
Nuclear detonation detection .....	271,000	271,000
Nonproliferation fuels development .....	0	0
<b>Total, Defense Nuclear Nonproliferation R&amp;D .....</b>	<b>627,736</b>	<b>627,736</b>
<b>Nonproliferation construction</b>		
<b>U.S. Construction:</b>		
18-D-150 Surplus Plutonium Disposition Project .....	156,000	156,000
99-D-143, Mixed Oxide (MOX) Fuel Fabrication Facility, SRS .....	0	0
<b>Total, U.S. Construction: .....</b>	<b>156,000</b>	<b>156,000</b>
<b>Total, Nonproliferation construction .....</b>	<b>156,000</b>	<b>156,000</b>
<b>Total, Defense Nuclear Nonproliferation Programs .....</b>	<b>1,854,418</b>	<b>1,901,418</b>
Legacy contractor pensions .....	38,800	38,800
<b>Nuclear counterterrorism and incident response program</b>		
Emergency Operations .....	14,597	24,597
Reverse FY22 decrease .....		(10,000)
Counterterrorism and Counterproliferation .....	356,185	356,185
<b>Total, Nuclear counterterrorism and incident response program .....</b>	<b>370,782</b>	<b>380,782</b>
<b>Subtotal, Defense Nuclear Nonproliferation .....</b>	<b>2,264,000</b>	<b>2,321,000</b>
<b>Adjustments</b>		
Use of prior year balances .....	0	0
Rescission of prior year MOX funding .....	-330,000	-330,000
<b>Total, Adjustments .....</b>	<b>-330,000</b>	<b>-330,000</b>
<b>Total, Defense Nuclear Nonproliferation .....</b>	<b>1,934,000</b>	<b>1,991,000</b>
<b>Naval Reactors</b>		
Naval reactors development .....	635,684	635,684
Columbia-Class reactor systems development .....	55,000	55,000
SSG Prototype refueling .....	126,000	126,000
Naval reactors operations and infrastructure .....	599,017	599,017
Program direction .....	55,579	55,579
<b>Construction:</b>		
22-D-532 Security Upgrades KL .....	5,100	5,100
22-D-531 KL Chemistry & Radiological Health Building .....	41,620	41,620
21-D-530 KL Steam and Condensate Upgrades .....	0	0
14-D-901, Spent Fuel Handling Recapitalization Project, NRF .....	348,705	348,705
<b>Total, Construction .....</b>	<b>395,425</b>	<b>395,425</b>
Rescission of Prior Year unobligated balances .....	-6,000	-6,000
<b>Total, Naval Reactors .....</b>	<b>1,860,705</b>	<b>1,860,705</b>
<b>TOTAL, National Nuclear Security Administration .....</b>	<b>19,743,000</b>	<b>20,071,450</b>
<b>Defense Environmental Cleanup</b>		
Closure sites administration .....	3,987	3,987
<b>Richland:</b>		
River corridor and other cleanup operations .....	196,000	233,000
Reverse FY22 decrease .....		(37,000)
Central plateau remediation .....	689,776	689,776
Richland community and regulatory support .....	5,121	5,121
18-D-404 Modification of Waste Encapsulation and Storage Facility .....	8,000	8,000
22-D-401 L-888, 400 Area Fire Station .....	15,200	15,200
22-D-402 L-897, 200 Area Water Treatment Facility .....	12,800	12,800
<b>Total, Richland .....</b>	<b>926,897</b>	<b>963,897</b>
<b>Office of River Protection:</b>		
Waste Treatment Immobilization Plant Commissioning .....	50,000	50,000
Rad liquid tank waste stabilization and disposition .....	817,642	837,642
Additional tank stabilization .....		(20,000)

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2022 Request	Senate Authorized
<b>Construction:</b>		
18-D-16 Waste treatment and immobilization plant—LBL/Direct feed LAW .....	586,000	586,000
01-D-16 D, High-level waste facility .....	60,000	60,000
01-D-16 E, Pretreatment Facility .....	20,000	20,000
<b>Total, Construction</b> .....	<b>666,000</b>	<b>666,000</b>
ORP Low-level waste offsite disposal .....	7,000	7,000
<b>Total, Office of River Protection</b> .....	<b>1,540,642</b>	<b>1,560,642</b>
<b>Idaho National Laboratory:</b>		
Idaho cleanup and waste disposition .....	358,925	358,925
Idaho community and regulatory support .....	2,658	2,658
<b>Construction:</b>		
22-D-403 Idaho Spent Nuclear Fuel Staging Facility .....	3,000	3,000
22-D-404 Addl ICDF Landfill Disposal Cell and Evaporation Ponds Project .....	5,000	5,000
<b>Total, Construction</b> .....	<b>8,000</b>	<b>8,000</b>
<b>Total, Idaho National Laboratory</b> .....	<b>369,583</b>	<b>369,583</b>
<b>NNSA sites and Nevada off-sites</b>		
Lawrence Livermore National Laboratory .....	1,806	1,806
LLNL Excess facilities D&D .....	35,000	45,000
Accelerate cleanup .....		(10,000)
Separations Processing Research Unit .....	15,000	15,000
Nevada Test Site .....	60,737	60,737
Sandia National Laboratory .....	4,576	4,576
Los Alamos National Laboratory .....	275,119	275,119
Los Alamos Excess facilities D&D .....	58,381	58,381
<b>Total, NNSA sites and Nevada off-sites</b> .....	<b>450,619</b>	<b>460,619</b>
<b>Oak Ridge Reservation:</b>		
OR Nuclear facility D&D .....	274,923	324,923
Accelerate cleanup .....		(50,000)
U233 Disposition Program .....	55,000	55,000
OR cleanup and waste disposition .....	73,725	73,725
<b>Construction:</b>		
17-D-401 On-site waste disposal facility .....	12,500	12,500
14-D-403 Outfall 200 Mercury Treatment Facility .....	0	0
<b>Subtotal, Construction:</b> .....	<b>12,500</b>	<b>12,500</b>
OR community & regulatory support .....	5,096	5,096
OR technology development and deployment .....	3,000	3,000
<b>Total, Oak Ridge Reservation</b> .....	<b>424,244</b>	<b>474,244</b>
<b>Savannah River Site:</b>		
Savannah River risk management operations .....	461,723	486,023
H-canyon operations .....		(24,300)
SR legacy pensions .....	130,882	130,882
SR community and regulatory support .....	5,805	11,505
Reverse FY22 decrease .....		(5,700)
<b>Radioactive liquid tank waste:</b>		
<b>Construction:</b>		
20-D-402 Advanced Manufacturing Collaborative Facility (AMC) ...	0	0
20-D-401 Saltstone Disposal Unit #10, 11, 12 .....	19,500	19,500
19-D-701 SR Security systems replacement .....	5,000	5,000
18-D-402 Saltstone disposal unit #8/9 .....	68,000	68,000
17-D-402 Saltstone Disposal Unit #7 .....	0	0
05-D-405 Salt waste processing facility, SRS .....	0	0
<b>Total, Construction, Radioactive liquid tank waste</b> .....	<b>92,500</b>	<b>92,500</b>
Radioactive liquid tank waste stabilization .....	890,865	890,865
<b>Total, Savannah River Site</b> .....	<b>1,581,775</b>	<b>1,611,775</b>
<b>Waste Isolation Pilot Plant</b>		
Waste Isolation Pilot Plant .....	350,424	350,424
<b>Construction:</b>		
15-D-411 Safety significant confinement ventilation system, WIPP	55,000	55,000
15-D-412 Exhaust shaft, WIPP .....	25,000	25,000
21-D-401 Hoisting Capability Project .....	0	0
<b>Total, Construction</b> .....	<b>80,000</b>	<b>80,000</b>
<b>Total, Waste Isolation Pilot Plant</b> .....	<b>430,424</b>	<b>430,424</b>

<b>SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS</b> (In Thousands of Dollars)		
<b>Program</b>	<b>FY 2022 Request</b>	<b>Senate Authorized</b>
Program direction—Defense Environmental Cleanup .....	293,106	293,106
Program support—Defense Environmental Cleanup .....	62,979	62,979
Safeguards and Security—Defense Environmental Cleanup .....	316,744	316,744
Technology development and deployment .....	25,000	25,000
Federal contribution to the Uranium Enrichment D&D Fund .....	415,670	0
Reverse contribution to Fund from EM budget .....		(-415,670)
Use of prior year balances .....	0	0
<b>Subtotal, Defense environmental cleanup</b> .....	<b>6,841,670</b>	<b>6,573,000</b>
<b>Rescission:</b>		
Rescission of prior year balances .....	0	0
<b>TOTAL, Defense Environmental Cleanup</b> .....	<b>6,841,670</b>	<b>6,573,000</b>
<b>Other Defense Activities</b>		
<b>Environment, health, safety and security</b>		
Environment, health, safety and security mission support .....	130,809	130,809
Program direction .....	75,511	75,511
<b>Total, Environment, health, safety and security</b> .....	<b>206,320</b>	<b>206,320</b>
<b>Independent enterprise assessments</b>		
Enterprise assessments .....	27,335	27,335
Program direction—Office of Enterprise Assessments .....	56,049	56,049
<b>Total, Office of Enterprise Assessments</b> .....	<b>83,384</b>	<b>83,384</b>
Specialized security activities .....	283,500	283,500
<b>Office of Legacy Management</b>		
Legacy management activities—defense .....	408,797	158,797
Reduction for work performed by Army Corps of Engineers .....		(-250,000)
Program direction .....	19,933	19,933
<b>Total, Office of Legacy Management</b> .....	<b>428,730</b>	<b>178,730</b>
Defense related administrative support .....	163,710	163,710
Office of hearings and appeals .....	4,356	4,356
<b>Subtotal, Other defense activities</b> .....	<b>1,170,000</b>	<b>920,000</b>
Use of prior year balances .....	0	0
<b>Total, Other Defense Activities</b> .....	<b>1,170,000</b>	<b>920,000</b>

