

**TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND
EVALUATION**

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION.

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

Line	Program Element	Item	FY 2013 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY							
BASIC RESEARCH							
001	0601101A	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	20,860	20,860	20,860		20,860
002	0601102A	DEFENSE RESEARCH SCIENCES	219,180	219,180	219,180		219,180
003	0601103A	UNIVERSITY RESEARCH INITIATIVES	80,986	80,986	80,986		80,986
004	0601104A	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	123,045	123,045	123,045		123,045
		SUBTOTAL BASIC RESEARCH	444,071	444,071	444,071		444,071
APPLIED RESEARCH							
005	0602105A	MATERIALS TECHNOLOGY	29,041	39,291	29,041	10,000	39,041
		Advanced coating technologies for corrosion mitigation		[10,250]		[10,000]	
006	0602120A	SENSORS AND ELECTRONIC SURVIVABILITY	45,260	45,260	45,260		45,260
007	0602122A	TRACTOR HIP	22,439	22,439	22,439		22,439
008	0602211A	AVIATION TECHNOLOGY	51,607	51,607	51,607		51,607
009	0602270A	ELECTRONIC WARFARE TECHNOLOGY	15,068	15,068	15,068		15,068
010	0602303A	MISSILE TECHNOLOGY	49,383	49,383	49,383		49,383
011	0602307A	ADVANCED WEAPONS TECHNOLOGY	25,999	25,999	25,999		25,999
012	0602308A	ADVANCED CONCEPTS AND SIMULATION	23,507	23,507	23,507		23,507
013	0602601A	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY	69,062	69,062	69,062		69,062
014	0602618A	BALLISTICS TECHNOLOGY	60,823	60,823	60,823		60,823
015	0602622A	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY	4,465	4,465	4,465		4,465
016	0602623A	JOINT SERVICE SMALL ARMS PROGRAM	7,169	7,169	7,169		7,169
017	0602624A	WEAPONS AND MUNITIONS TECHNOLOGY	35,218	35,218	35,218		35,218
018	0602705A	ELECTRONICS AND ELECTRONIC DEVICES	60,300	60,300	60,300		60,300
019	0602709A	NIGHT VISION TECHNOLOGY	53,244	53,244	53,244		53,244
020	0602712A	COUNTERMINE SYSTEMS	18,850	18,850	18,850		18,850
021	0602716A	HUMAN FACTORS ENGINEERING TECHNOLOGY	19,872	19,872	19,872		19,872

022	0602720A	ENVIRONMENTAL QUALITY TECHNOLOGY	20,095	20,095	20,095	20,095
023	0602782A	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY	28,852	28,852	28,852	28,852
024	0602783A	COMPUTER AND SOFTWARE TECHNOLOGY	9,830	9,830	9,830	9,830
025	0602784A	MILITARY ENGINEERING TECHNOLOGY	70,693	70,693	70,693	70,693
026	0602785A	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	17,781	17,781	17,781	17,781
027	0602786A	WARFIGHTER TECHNOLOGY	28,281	28,281	28,281	28,281
028	0602787A	MEDICAL TECHNOLOGY	107,891	107,891	107,891	107,891
		SUBTOTAL APPLIED RESEARCH	874,730	884,980	874,730	10,000
		ADVANCED TECHNOLOGY DEVELOPMENT				
029	0603001A	WARFIGHTER ADVANCED TECHNOLOGY	39,359	39,359	39,359	39,359
030	0603002A	MEDICAL ADVANCED TECHNOLOGY	69,580	69,580	69,580	69,580
031	0603003A	AVIATION ADVANCED TECHNOLOGY	64,215	64,215	64,215	64,215
032	0603004A	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY	67,613	67,613	67,613	67,613
033	0603005A	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY	104,359	104,359	104,359	104,359
034	0603006A	COMMAND, CONTROL, COMMUNICATIONS ADVANCED TECHNOLOGY	4,157	4,157	4,157	4,157
035	0603007A	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	9,856	9,856	9,856	9,856
036	0603008A	ELECTRONIC WARFARE ADVANCED TECHNOLOGY	50,661	50,661	50,661	50,661
037	0603009A	TRACTOR HIKE	9,126	9,126	9,126	9,126
038	0603015A	NEXT GENERATION TRAINING & SIMULATION SYSTEMS	17,257	17,257	17,257	17,257
039	0603020A	TRACTOR ROSE	9,925	9,925	9,925	9,925
040	0603105A	MILITARY HIV RESEARCH	6,984	6,984	6,984	6,984
041	0603125A	COMBATING TERRORISM—TECHNOLOGY DEVELOPMENT	9,716	9,716	9,716	9,716
042	0603130A	TRACTOR NAIL	3,487	3,487	3,487	3,487
043	0603131A	TRACTOR EGGS	2,323	2,323	2,323	2,323
044	0603270A	ELECTRONIC WARFARE TECHNOLOGY	21,683	21,683	21,683	21,683
045	0603313A	MISSILE AND ROCKET ADVANCED TECHNOLOGY	71,111	71,111	71,111	71,111
046	0603322A	TRACTOR CAGE	10,902	10,902	10,902	10,902
047	0603461A	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	180,582	180,582	180,582	180,582
048	0603606A	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY	27,204	27,204	27,204	27,204
049	0603607A	JOINT SERVICE SMALL ARMS PROGRAM	6,095	6,095	6,095	6,095
050	0603710A	NIGHT VISION ADVANCED TECHNOLOGY	37,217	37,217	37,217	37,217

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Line	Program Element	Item	FY 2013 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
051	0603728A	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS	13,626	13,626	13,626		13,626
052	0603734A	MILITARY ENGINEERING ADVANCED TECHNOLOGY	28,458	28,458	28,458		28,458
053	0603772A	ADVANCED TACTICAL COMPUTER SCIENCE AND SENSOR TECHNOLOGY	25,226	25,226	25,226		25,226
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	890,722	890,722	890,722		890,722
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES					
054	0603305A	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	14,505	14,505	14,505		14,505
055	0603308A	ARMY SPACE SYSTEMS INTEGRATION	9,876	9,876	9,876		9,876
056	0603619A	LANDMINE WARFARE AND BARRIER—ADV DEV	5,054	5,054	5,054		5,054
057	0603627A	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV	2,725	2,725	2,725		2,725
058	0603639A	TANK AND MEDIUM CALIBER AMMUNITION	30,560	30,560	30,560		30,560
059	0603653A	ADVANCED TANK ARMAMENT SYSTEM (ATAS)	14,347	14,347	14,347		14,347
060	0603747A	SOLDIER SUPPORT AND SURVIVABILITY	10,073	10,073	10,073		10,073
061	0603766A	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV	8,660	8,660	8,660		8,660
062	0603774A	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	10,715	10,715	10,715		10,715
063	0603779A	ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL	4,631	4,631	4,631		4,631
064	0603782A	WARFIGHTER INFORMATION NETWORK-TACTICAL—DEM/VAL	278,018	278,018	278,018		278,018
065	0603790A	NATO RESEARCH AND DEVELOPMENT	4,961	4,961	4,961		4,961
066	0603801A	AVIATION—ADV DEV	8,602	8,602	8,602		8,602
067	0603804A	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV	14,605	14,605	14,605		14,605
068	0603805A	COMBAT SERVICE SUPPORT CONTROL SYSTEM EVALUATION AND ANALYSIS	5,054	5,054	5,054		5,054
069	0603807A	MEDICAL SYSTEMS—ADV DEV	24,384	24,384	24,384		24,384
070	0603827A	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT	32,050	32,050	32,050		32,050
071	0603850A	INTEGRATED BROADCAST SERVICE	96	96	96		96
072	0604115A	TECHNOLOGY MATURATION INITIATIVES	24,868	24,868	24,868		24,868
073	0604131A	TRACTOR JUTE	59	59	59		59
075	0604319A	INDIRECT FIRE PROTECTION CAPABILITY INCREMENT 2—INTERCEPT (IFPC2)	76,039	76,039	76,039		76,039

077	0604785A	INTEGRATED BASE DEFENSE (BUDGET ACTIVITY 4)	4,043	4,043	4,043	4,043	4,043
078	0305205A	ENDURANCE UAVS	26,196	17,196	26,196	20,197	20,197
		Program decrease		[-9,000]		[-5,999]	[-5,999]
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	610,121	601,121	610,121	604,122	604,122
SYSTEM DEVELOPMENT & DEMONSTRATION							
079	0604201A	AIRCRAFT AVIONICS	78,538	78,538	78,538	78,538	78,538
080	0604220A	ARMED, DEPLOYABLE HELOS	90,494	90,494	90,494	90,494	90,494
081	0604270A	ELECTRONIC WARFARE DEVELOPMENT	181,347	176,347	181,347	176,347	176,347
		Program adjustment		[-5,000]		[-5,000]	
083	0604290A	MID-TIER NETWORKING VEHICULAR RADIO (MNVR)	12,636	12,636	12,636	12,636	12,636
084	0604321A	ALL SOURCE ANALYSIS SYSTEM	5,694	5,694	5,694	5,694	5,694
085	0604328A	TRACTOR CAGE	32,095	32,095	32,095	32,095	32,095
086	0604601A	INFANTRY SUPPORT WEAPONS	96,478	93,078	96,478	93,078	93,078
		XM25 funding ahead of need		[-3,400]		[-3,400]	
087	0604604A	MEDIUM TACTICAL VEHICLES	3,006	3,006	3,006	3,006	3,006
089	0604611A	JAVELIN	5,040	5,040	5,040	5,040	5,040
090	0604622A	FAMILY OF HEAVY TACTICAL VEHICLES	3,077	3,077	3,077	3,077	3,077
091	0604633A	AIR TRAFFIC CONTROL	9,769	9,769	9,769	9,769	9,769
092	0604641A	TACTICAL UNMANNED GROUND VEHICLE (TUGV)	13,141	13,141	25,141	13,141	13,141
		Transfer from OPA line 191 at Army request		[12,000]			
099	0604710A	NIGHT VISION SYSTEMS—ENG DEV	32,621	32,621	32,621	32,621	32,621
100	0604713A	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	2,132	2,132	2,132	2,132	2,132
101	0604715A	NON-SYSTEM TRAINING DEVICES—ENG DEV	44,787	44,787	44,787	44,787	44,787
102	0604716A	TERRAIN INFORMATION—ENG DEV	1,008	1,008	1,008	1,008	1,008
103	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV	73,333	73,333	73,333	73,333	73,333
104	0604742A	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	28,937	28,937	28,937	28,937	28,937
105	0604746A	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	10,815	10,815	10,815	10,815	10,815
106	0604760A	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG DEV	13,926	13,926	13,926	13,926	13,926
107	0604780A	COMBINED ARMS TACTICAL TRAINER (CATT) CORE	17,797	17,797	17,797	17,797	17,797
108	0604798A	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION	214,270	214,270	214,270	214,270	214,270
109	0604802A	WEAPONS AND MUNITIONS—ENG DEV	14,581	14,581	14,581	14,581	14,581

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110	0604804A	LOGISTICS AND ENGINEER EQUIPMENT—ENG DEV	43,706	43,706	43,706		43,706
111	0604805A	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG DEV	20,776	20,776	20,776		20,776
112	0604807A	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT—ENG DEV	43,395	43,395	43,395		43,395
113	0604808A	LANDMINE WARFARE/BARRIER—ENG DEV	104,983	104,983	104,983		104,983
114	0604814A	ARTILLERY MUNITIONS—EMD	4,346	4,346	4,346		4,346
116	0604818A	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE	77,223	77,223	77,223		77,223
117	0604820A	RADAR DEVELOPMENT	3,486	3,486	3,486		3,486
118	0604822A	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS) GFEBS realignment per Army request	9,963	9,963	27,163	17,200	27,163
				[17,200]		[17,200]	
119	0604823A	FIREFINDER	20,517	20,517	20,517		20,517
120	0604827A	SOLDIER SYSTEMS—WARRIOR DEM/VAL	51,851	51,851	51,851		51,851
121	0604854A	ARTILLERY SYSTEMS—EMD	167,797	167,797	167,797		167,797
122	0604869A	PATRIOT/MEADS COMBINED AGGREGATE PROGRAM (CAP) Prohibition of funds for MEADS	400,861	[−400,861]	[−400,861]	−400,861	0
						[−400,861]	
123	0604870A	NUCLEAR ARMS CONTROL MONITORING SENSOR NETWORK	7,922	7,922	7,922		7,922
124	0605013A	INFORMATION TECHNOLOGY DEVELOPMENT	51,463	51,463	51,463		51,463
125	0605018A	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (PPS-A)	158,646	158,646	158,646		158,646
126	0605450A	JOINT AIR-TO-GROUND MISSILE (JAGM)	10,000	10,000	10,000		10,000
128	0605456A	PAC-3/MSE MISSILE	69,029	69,029	69,029		69,029
129	0605457A	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD) DRFM countermeasures studies	277,374	277,374	315,374	38,000	315,374
				[38,000]		[38,000]	
130	0605625A	MANNED GROUND VEHICLE	639,874	639,874	639,874		639,874
131	0605626A	AERIAL COMMON SENSOR	47,426	47,426	47,426		47,426
132	0605812A	JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH.	72,295	72,295	72,295		72,295
133	0303032A	TROJAN—RH12	4,232	4,232	4,232		4,232
134	0304270A	ELECTRONIC WARFARE DEVELOPMENT	13,942	13,942	13,942		13,942

		3,286,629	2,877,368	2,952,968	-354,061	2,932,568
	SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION					
	RD&E MANAGEMENT SUPPORT					
135	0604256A THREAT SIMULATOR DEVELOPMENT	18,090	18,090	18,090		18,090
136	0604258A TARGET SYSTEMS DEVELOPMENT	14,034	14,034	14,034		14,034
137	0604759A MAJOR T&E INVESTMENT	37,394	37,394	37,394		37,394
138	0605103A RAND ARROYO CENTER	21,026	21,026	21,026		21,026
139	0605301A ARMY KWAJALEIN ATOLL	176,816	176,816	176,816		176,816
140	0605326A CONCEPTS EXPERIMENTATION PROGRAM	27,902	27,902	27,902		27,902
142	0605601A ARMY TEST RANGES AND FACILITIES	369,900	369,900	369,900		369,900
143	0605602A ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	69,183	69,183	69,183		69,183
144	0605604A SURVIVABILITY/LETHALITY ANALYSIS	44,753	44,753	44,753		44,753
146	0605606A AIRCRAFT CERTIFICATION	5,762	5,762	5,762		5,762
147	0605702A METEOROLOGICAL SUPPORT TO RD&E ACTIVITIES	7,402	7,402	7,402		7,402
148	0605706A MATERIEL SYSTEMS ANALYSIS	19,954	19,954	19,954		19,954
149	0605709A EXPLOITATION OF FOREIGN ITEMS	5,535	5,535	5,535		5,535
150	0605712A SUPPORT OF OPERATIONAL TESTING	67,789	67,789	67,789		67,789
151	0605716A ARMY EVALUATION CENTER	62,765	62,765	62,765		62,765
152	0605718A ARMY MODELING & SIM X-CMD COLLABORATION & INTEG	1,545	1,545	1,545		1,545
153	0605801A PROGRAMWIDE ACTIVITIES	83,422	83,422	83,422		83,422
154	0605803A TECHNICAL INFORMATION ACTIVITIES	50,820	50,820	50,820		50,820
155	0605805A MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	46,763	46,763	46,763		46,763
156	0605857A ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	4,601	4,601	4,601		4,601
157	0605898A MANAGEMENT HQ—R&D	18,524	18,524	18,524		18,524
	SUBTOTAL RD&E MANAGEMENT SUPPORT	1,153,980	1,153,980	1,153,980		1,153,980
	OPERATIONAL SYSTEMS DEVELOPMENT					
159	0603778A MLRS PRODUCT IMPROVEMENT PROGRAM	143,005	143,005	143,005		143,005
161	0607865A PATRIOT PRODUCT IMPROVEMENT	109,978	109,978	109,978		109,978
162	0102419A AEROSTAT JOINT PROJECT OFFICE	190,422	150,422	190,422	-30,500	159,922
	Program decrease		[-40,000]			
164	0203726A ADV FIELD ARTILLERY TACTICAL DATA SYSTEM	32,556	32,556	32,556		32,556

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165	0203735A	COMBAT VEHICLE IMPROVEMENT PROGRAMS	253,959	253,959	253,959		253,959
166	0203740A	MANEUVER CONTROL SYSTEM	68,325	68,325	68,325		68,325
167	0203744A	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS	280,247	226,147	226,247	-54,100	226,147
		Funding ahead of need		[-54,100]	[-54,000]	[-54,100]	
168	0203752A	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	898	898	898		898
169	0203758A	DIGITIZATION	35,180	35,180	35,180		35,180
171	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	20,733	20,733	20,733		20,733
172	0203808A	TRACTOR CARD	63,243	63,243	63,243		63,243
173	0208053A	JOINT TACTICAL GROUND SYSTEM	31,738	31,738	31,738		31,738
174	0208058A	JOINT HIGH SPEED VESSEL (JHSV)	35	35	35		35
176	0308028A	SECURITY AND INTELLIGENCE ACTIVITIES	7,591	7,591	7,591		7,591
177	0303140A	INFORMATION SYSTEMS SECURITY PROGRAM	15,961	15,961	15,961		15,961
178	0303141A	GLOBAL COMBAT SUPPORT SYSTEM	120,927	120,927	120,927		120,927
179	0303142A	SATCOM GROUND ENVIRONMENT (SPACE)	15,756	15,756	15,756		15,756
180	0303150A	WMWCGS/GLOBAL COMMAND AND CONTROL SYSTEM	14,443	14,443	14,443		14,443
182	0305204A	TACTICAL UNMANNED AERIAL VEHICLES	31,303	31,303	31,303		31,303
183	0305208A	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	40,876	40,876	40,876		40,876
184	0305219A	MQ-1 SKY WARRIOR A UAV	74,618	74,618	74,618		74,618
185	0305232A	RQ-11 UAV	4,039	4,039	4,039		4,039
186	0305233A	RQ-7 UAV	31,158	31,158	31,158		31,158
187	0305235A	VERTICAL UAS	2,387	2,387	2,387		2,387
188	0307665A	BIOMETRICS ENABLED INTELLIGENCE	15,248	15,248	15,248		15,248
189	0708045A	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	59,908	59,908	59,908		59,908
189A	9999999999	CLASSIFIED PROGRAMS	4,628	4,628	4,628		4,628
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	1,669,162	1,575,062	1,615,162	-84,600	1,584,562
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY	8,929,415	8,427,304	8,541,754	-434,660	8,494,755

RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY						
BASIC RESEARCH						
001	0601103N	UNIVERSITY RESEARCH INITIATIVES	113,690	123,690	10,000	123,690
		Increase Defense University Research Instrumentation Program	[10,000]		[10,000]	
002	0601152N	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	18,261	18,261		18,261
003	0601153N	DEFENSE RESEARCH SCIENCES	473,070	473,070		473,070
003A	0601XXXN	SCIENCE AND TECHNOLOGY	3,450			0
		Transfer from PE 0205658N	[3,450]			
		SUBTOTAL BASIC RESEARCH	605,021	605,021	10,000	615,021
APPLIED RESEARCH						
004	0602114N	POWER PROJECTION APPLIED RESEARCH	89,189	89,189		89,189
005	0602123N	FORCE PROTECTION APPLIED RESEARCH	143,301	143,301		143,301
006	0602131M	MARINE CORPS LANDING FORCE TECHNOLOGY	46,528	46,528		46,528
007	0602235N	COMMON PICTURE APPLIED RESEARCH	41,696	41,696		41,696
008	0602236N	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	44,127	44,127		44,127
009	0602271N	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH	78,228	78,228		78,228
010	0602435N	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	49,635	49,635		49,635
011	0602651M	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH	5,973	5,973		5,973
012	0602747N	UNDERSEA WARFARE APPLIED RESEARCH	96,814	96,814		96,814
013	0602750N	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH	162,417	162,417		162,417
014	0602782N	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	32,394	32,394		32,394
		SUBTOTAL APPLIED RESEARCH	790,302	790,302		790,302
ADVANCED TECHNOLOGY DEVELOPMENT						
015	0603114N	POWER PROJECTION ADVANCED TECHNOLOGY	56,543	56,543		56,543
016	0603123N	FORCE PROTECTION ADVANCED TECHNOLOGY	18,616	18,616		18,616
019	0603271N	ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY	54,858	54,858		54,858
020	0603640M	USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	130,598	130,598		130,598
021	0603651M	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT	11,706	11,706		11,706
022	0603673N	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT	256,382	256,382		256,382

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Line	Program Element	Item	FY 2013 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
023	0603729N	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	3,880	3,880	3,880		3,880
025	0603758N	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS	51,819	51,819	51,819		51,819
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	584,402	584,402	584,402		584,402
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES					
028	0603207N	AIR/OCEAN TACTICAL APPLICATIONS	34,085	34,085	34,085		34,085
029	0603216N	AVIATION SURVIVABILITY	8,783	8,783	8,783		8,783
030	0603237N	DEPLOYABLE JOINT COMMAND AND CONTROL	3,773	3,773	3,773		3,773
031	0603251N	AIRCRAFT SYSTEMS	24,512	24,512	24,512		24,512
032	0603254N	ASW SYSTEMS DEVELOPMENT	8,090	8,090	8,090		8,090
033	0603261N	TACTICAL AIRBORNE RECONNAISSANCE	5,301	5,301	5,301		5,301
034	0603382N	ADVANCED COMBAT SYSTEMS TECHNOLOGY	1,506	1,506	1,506		1,506
035	0603502N	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	190,622	190,622	190,622	-2,000	188,622
		Excess to need				[-2,000]	
036	0603506N	SURFACE SHIP TORPEDO DEFENSE	93,346	93,346	93,346		93,346
037	0603512N	CARRIER SYSTEMS DEVELOPMENT	108,871	108,871	108,871		108,871
039	0603525N	PILOT FISH	101,169	101,169	101,169		101,169
040	0603527N	RETRACT LARCH	74,312	74,312	74,312		74,312
041	0603536N	RETRACT JUNIPER	90,730	90,730	90,730		90,730
042	0603542N	RADIOLOGICAL CONTROL	777	777	777		777
043	0603553N	SURFACE ASW	6,704	6,704	6,704		6,704
044	0603561N	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	555,123	929,523	555,123		555,123
		Program increase		[374,400]			
045	0603562N	SUBMARINE TACTICAL WARFARE SYSTEMS	9,368	9,368	9,368		9,368
046	0603563N	SHIP CONCEPT ADVANCED DESIGN	24,609	24,609	24,609		24,609
047	0603564N	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	13,710	13,710	13,710		13,710
048	0603570N	ADVANCED NUCLEAR POWER SYSTEMS	249,748	249,748	249,748		249,748

049	0603573N	ADVANCED SURFACE MACHINERY SYSTEMS	29,897	29,897	29,897	29,897
050	0603576N	CHALK EAGLE	509,988	509,988	509,988	509,988
051	0603581N	LITTORAL COMBAT SHIP (LCS)	429,420	429,420	429,420	429,420
052	0603582N	COMBAT SYSTEM INTEGRATION	56,551	56,551	56,551	56,551
053	0603609N	CONVENTIONAL MUNITIONS	7,342	7,342	7,342	7,342
054	0603611M	MARINE CORPS ASSAULT VEHICLES	95,182	95,182	95,182	95,182
055	0603635M	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	10,496	10,496	10,496	10,496
056	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	52,331	52,331	52,331	52,331
057	0603658N	COOPERATIVE ENGAGEMENT	56,512	56,512	56,512	56,512
058	0603713N	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	7,029	7,029	7,029	7,029
059	0603721N	ENVIRONMENTAL PROTECTION	21,080	21,080	21,080	21,080
060	0603724N	NAVY ENERGY PROGRAM	55,324	55,324	55,324	55,324
061	0603725N	FACILITIES IMPROVEMENT	3,401	3,401	3,401	3,401
062	0603734N	CHALK CORAL	45,966	45,966	45,966	45,966
063	0603739N	NAVY LOGISTIC PRODUCTIVITY	3,811	3,811	3,811	3,811
064	0603746N	RETRACT MAPLE	341,305	341,305	341,305	341,305
065	0603748N	LINK PLUMERIA	181,220	181,220	181,220	181,220
066	0603751N	RETRACT ELM	174,014	174,014	174,014	174,014
068	0603764N	LINK EVERGREEN	68,654	68,654	68,654	68,654
069	0603787N	SPECIAL PROCESSES	44,487	44,487	44,487	44,487
070	0603790N	NATO RESEARCH AND DEVELOPMENT	9,389	9,389	9,389	9,389
071	0603795N	LAND ATTACK TECHNOLOGY	16,132	16,132	16,132	16,132
072	0603851M	JOINT NON-LETHAL WEAPONS TESTING	44,994	44,994	44,994	44,994
073	0603860N	JOINT PRECISION APPROACH AND LANDING SYSTEMS—DEMVAL	137,369	137,369	137,369	137,369
076	0604272N	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIROM)	73,934	73,934	73,934	73,934
077	0604279N	ASE SELF-PROTECTION OPTIMIZATION	711	711	711	711
078	0604653N	JOINT COUNTER RADIO CONTROLLED IED ELECTRONIC WARFARE (JCREW) ...	71,300	71,300	71,300	71,300
079	0604659N	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM	5,654	5,654	5,654	5,654
080	0604707N	SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINEERING SUPPORT.	31,549	31,549	31,549	31,549
082	0604786N	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT	86,801	86,801	86,801	86,801

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083	0605812M	JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH.	44,500	44,500	44,500		44,500
084	0303354N	ASW SYSTEMS DEVELOPMENT—MIP	13,172	13,172	13,172		13,172
086	0304270N	ELECTRONIC WARFARE DEVELOPMENT—MIP	643	643	643		643
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	4,335,297	4,709,697	4,335,297	-2,000	4,333,297
		SYSTEM DEVELOPMENT & DEMONSTRATION					
087	0604212N	OTHER HELO DEVELOPMENT	33,978	33,978	33,978		33,978
088	0604214N	AV-8B AIRCRAFT—ENG DEV	32,789	32,789	32,789		32,789
089	0604215N	STANDARDS DEVELOPMENT	84,988	84,988	84,988	-2,000	82,988
		Program behind in execution				[-2,000]	
090	0604216N	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT	6,866	6,866	6,866		6,866
091	0604218N	AIR/OCEAN EQUIPMENT ENGINEERING	4,060	4,060	4,060		4,060
092	0604221N	P-3 MODERNIZATION PROGRAM	3,451	3,451	3,451		3,451
093	0604230N	WARFARE SUPPORT SYSTEM	13,071	13,071	13,071		13,071
094	0604231N	TACTICAL COMMAND SYSTEM	71,645	71,645	71,645		71,645
095	0604234N	ADVANCED HAWKEYE	119,065	119,065	119,065		119,065
096	0604245N	H-1 UPGRADES	31,105	31,105	31,105		31,105
097	0604261N	ACOUSTIC SEARCH SENSORS	34,299	34,299	34,299		34,299
098	0604262N	V-22A	54,412	54,412	54,412		54,412
099	0604264N	AIR CREW SYSTEMS DEVELOPMENT	2,717	2,717	2,717		2,717
100	0604269N	EA-18	13,009	13,009	13,009		13,009
101	0604270N	ELECTRONIC WARFARE DEVELOPMENT	51,304	51,304	51,304		51,304
102	0604273N	VH-71A EXECUTIVE HELO DEVELOPMENT	61,163	61,163	61,163		61,163
103	0604274N	NEXT GENERATION JAMMER (NGJ)	187,024	187,024	187,024		187,024
104	0604280N	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY)	337,480	337,480	337,480		337,480
105	0604307N	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	260,616	510,616	260,616	250,000	510,616

106	0604311N	Cruiser Retention							
107	0604329N	LPD-17 CLASS SYSTEMS INTEGRATION	824	824	824	824	824	824	824
108	0604366N	SMALL DIAMETER BOMB (SDB)	31,064	31,064	31,064	31,064	31,064	31,064	31,064
		STANDARD MISSILE IMPROVEMENTS	63,891	63,891	63,891	63,891	63,891	63,891	63,891
		Program execution							
109	0604373N	AIRBORNE MCM	73,246	73,246	73,246	73,246	73,246	73,246	73,246
110	0604376M	MARINE AIR GROUND TASK FORCE (MAGTF) ELECTRONIC WARFARE (EW) FOR AVIATION.	10,568	10,568	10,568	10,568	10,568	10,568	10,568
111	0604378N	NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYSTEMS ENGINEERING	39,974	39,974	39,974	39,974	39,974	39,974	39,974
112	0604404N	UNMANNED CARRIER LAUNCHED AIRBORNE SURVEILLANCE AND STRIKE (UCLASS) SYSTEM.	122,481	122,481	122,481	122,481	122,481	122,481	122,481
		Transfer from RDN 112 to RDN 167							
113	0604501N	ADVANCED ABOVE WATER SENSORS	255,516	255,516	255,516	255,516	255,516	255,516	255,516
114	0604503N	SSN-688 AND TRIDENT MODERNIZATION	82,620	82,620	82,620	82,620	82,620	82,620	82,620
115	0604504N	AIR CONTROL	5,633	5,633	5,633	5,633	5,633	5,633	5,633
116	0604512N	SHIPBOARD AVIATION SYSTEMS	55,826	55,826	55,826	55,826	55,826	55,826	55,826
117	0604518N	COMBAT INFORMATION CENTER CONVERSION	918	918	918	918	918	918	918
118	0604558N	NEW DESIGN SSN	165,230	165,230	165,230	165,230	165,230	165,230	165,230
119	0604562N	SUBMARINE TACTICAL WARFARE SYSTEM	49,141	49,141	49,141	49,141	49,141	49,141	49,141
120	0604567N	SHIP CONTRACT DESIGN/ LIVE FIRE T&E	196,737	196,737	196,737	196,737	196,737	196,737	196,737
121	0604574N	NAVY TACTICAL COMPUTER RESOURCES	3,889	3,889	3,889	3,889	3,889	3,889	3,889
122	0604601N	MINE DEVELOPMENT	8,335	8,335	8,335	8,335	8,335	8,335	8,335
123	0604610N	LIGHTWEIGHT TORPEDO DEVELOPMENT	49,818	49,818	49,818	49,818	49,818	49,818	49,818
124	0604654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	10,099	10,099	10,099	10,099	10,099	10,099	10,099
125	0604703N	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS	7,348	7,348	7,348	7,348	7,348	7,348	7,348
126	0604727N	JOINT STANDOFF WEAPON SYSTEMS	5,518	5,518	5,518	5,518	5,518	5,518	5,518
127	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL)	87,662	87,662	87,662	87,662	87,662	87,662	87,662
128	0604756N	SHIP SELF DEFENSE (ENGAGE; HARD KILL)	64,079	64,079	64,079	64,079	64,079	64,079	64,079
129	0604757N	SHIP SELF DEFENSE (ENGAGE; SOFT KILL/EW)	151,489	152,614	151,489	151,489	151,489	151,489	151,489
		Cruiser Retention							
131	0604771N	MEDICAL DEVELOPMENT	12,707	12,707	12,707	12,707	12,707	12,707	12,707
132	0604777N	NAVIGATION/VID SYSTEM	47,764	47,764	47,764	47,764	47,764	47,764	47,764

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133	0604800M	JOINT STRIKE FIGHTER (JSF)—EMD	737,149	737,149	737,149	-3,200	733,949
		Block IV development ahead of need				[-3,200]	
134	0604800N	JOINT STRIKE FIGHTER (JSF)—EMD	743,926	743,926	743,926	-3,200	740,726
		Block IV development ahead of need				[-3,200]	
135	0605013M	INFORMATION TECHNOLOGY DEVELOPMENT	12,143	12,143	12,143		12,143
136	0605013N	INFORMATION TECHNOLOGY DEVELOPMENT	72,209	72,209	72,209		72,209
138	0605212N	CH-53K RDTE	606,204	606,204	606,204		606,204
140	0605500N	MULTI-MISSION MARITIME AIRCRAFT (MMA)	421,102	421,102	421,102		421,102
141	0204202N	DDG-1000	124,655	124,655	124,655		124,655
142	0304231N	TACTICAL COMMAND SYSTEM—MIP	1,170	1,170	1,170		1,170
144	0304785N	TACTICAL CRYPTOLOGIC SYSTEMS	23,255	23,255	23,255		23,255
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION	5,747,232	5,923,357	5,747,232	236,100	5,983,332
RDT&E MANAGEMENT SUPPORT							
146	0604256N	THREAT SIMULATOR DEVELOPMENT	30,790	30,790	30,790		30,790
147	0604258N	TARGET SYSTEMS DEVELOPMENT	59,221	59,221	59,221		59,221
148	0604759N	MAJOR T&E INVESTMENT	35,894	35,894	35,894		35,894
149	0605126N	JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION	7,573	7,573	7,573		7,573
150	0605152N	STUDIES AND ANALYSIS SUPPORT—NAVY	20,963	20,963	20,963		20,963
151	0605154N	CENTER FOR NAVAL ANALYSES	46,856	46,856	46,856		46,856
153	0605804N	TECHNICAL INFORMATION SERVICES	796	796	796		796
154	0605853N	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	32,782	32,782	32,782		32,782
155	0605856N	STRATEGIC TECHNICAL SUPPORT	3,306	3,306	3,306		3,306
156	0605861N	RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT	70,302	70,302	70,302		70,302
157	0605863N	RDT&E SHIP AND AIRCRAFT SUPPORT	144,033	144,033	144,033		144,033
158	0605864N	TEST AND EVALUATION SUPPORT	342,298	342,298	342,298		342,298
159	0605865N	OPERATIONAL TEST AND EVALUATION CAPABILITY	16,399	16,399	16,399		16,399

160	0605866N	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT	4,579	4,579	4,579	4,579	4,579
161	0605867N	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT	8,000	8,000	8,000	8,000	8,000
162	0605873M	MARINE CORPS PROGRAM WIDE SUPPORT	18,490	18,490	18,490	18,490	18,490
163	0305885N	TACTICAL CRYPTOLOGIC ACTIVITIES	2,795	2,795	2,795	2,795	2,795
		SUBTOTAL RDT&E MANAGEMENT SUPPORT	845,077	845,077	845,077	845,077	845,077
167	0604402N	OPERATIONAL SYSTEMS DEVELOPMENT	142,282	142,282	142,282	142,282	142,282
		UNMANNED COMBAT AIR VEHICLE (UCAV) ADVANCED COMPONENT AND PROTOTYPE DEVELOPMENT	217,282	217,282	217,282	217,282	217,282
		Transfer from RDN 112 to RDN 167	[75,000]				
170	0101221N	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	105,892	105,892	105,892	105,892	105,892
171	0101224N	SSBN SECURITY TECHNOLOGY PROGRAM	34,729	34,729	34,729	34,729	34,729
172	0101226N	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	1,434	1,434	1,434	1,434	1,434
173	0101402N	NAVY STRATEGIC COMMUNICATIONS	19,208	19,208	19,208	19,208	19,208
174	0203761N	RAPID TECHNOLOGY TRANSITION (RTT)	25,566	25,566	25,566	25,566	25,566
175	0204136N	F/A-18 SQUADRONS	188,299	188,299	188,299	188,299	170,299
		Program behind in execution					-18,000
176	0204152N	E-2 SQUADRONS	8,610	8,610	8,610	8,610	8,610
177	0204163N	FLEET TELECOMMUNICATIONS (TACTICAL)	15,695	15,695	15,695	15,695	15,695
178	0204228N	SURFACE SUPPORT	4,171	4,171	4,171	4,171	4,171
179	0204229N	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	11,265	11,265	11,265	11,265	11,265
180	0204311N	INTEGRATED SURVEILLANCE SYSTEM	45,922	45,922	45,922	45,922	45,922
181	0204413N	AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT)	8,435	8,435	8,435	8,435	8,435
182	0204460M	GROUND/AIR TASK ORIENTED RADAR (GATOR)	75,088	75,088	75,088	75,088	75,088
183	0204571N	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	20,229	20,229	20,229	20,229	20,229
184	0204574N	CRYPTOLOGIC DIRECT SUPPORT	1,756	1,756	1,756	1,756	1,756
185	0204575N	ELECTRONIC WARFARE (EW) READINESS SUPPORT	19,843	19,843	19,843	19,843	19,843
186	0205601N	HARM IMPROVEMENT	11,477	11,477	11,477	11,477	11,477
187	0205604N	TACTICAL DATA LINKS	118,818	118,818	118,818	118,818	118,818
188	0205620N	SURFACE ASW COMBAT SYSTEM INTEGRATION	27,342	27,342	27,342	27,342	27,342
189	0205632N	MK-48 ADCAP	28,717	28,717	28,717	28,717	28,717
190	0205633N	AVIATION IMPROVEMENTS	89,157	89,157	89,157	89,157	89,157

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191	0205658N	NAVY SCIENCE ASSISTANCE PROGRAM	3,450		3,450		3,450
		Transfer to Science and Technology (RDN 003A)		[-3,450]			
192	0205675N	OPERATIONAL NUCLEAR POWER SYSTEMS	86,435	86,435	86,435		86,435
193	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS	219,054	219,054	219,054		219,054
194	0206623M	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	181,693	181,693	181,693		181,693
195	0206624M	MARINE CORPS COMBAT SERVICES SUPPORT	58,393	58,393	58,393		58,393
196	0206625M	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP)	22,966	22,966	22,966		22,966
197	0207161N	TACTICAL AIM MISSILES	21,107	21,107	21,107		21,107
198	0207163N	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	2,857	2,857	2,857		2,857
199	0208058N	JOINT HIGH SPEED VESSEL (JHSV)	1,932	1,932	1,932		1,932
204	0303138N	SATELLITE COMMUNICATIONS (SPACE)	188,482	188,482	188,482		188,482
205	0303138N	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES (CANES)	16,749	16,749	16,749		16,749
206	0303140N	INFORMATION SYSTEMS SECURITY PROGRAM	26,307	26,307	26,307		26,307
207	0303150M	WMCCS/GLOBAL COMMAND AND CONTROL SYSTEM	500	500	500		500
210	0305149N	COBRA JUDY	17,091	17,091	17,091		17,091
211	0305160N	NAVY METEOROLOGICAL AND OCEAN SENSORS-SPACE (METOC)	810	810	810		810
212	0305192N	MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES	8,617	8,617	8,617		8,617
213	0305204N	TACTICAL UNMANNED AERIAL VEHICLES	9,066	9,066	9,066		9,066
215	0305207N	MANNED RECONNAISSANCE SYSTEMS	30,654	30,654	30,654		30,654
216	0305208M	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	25,917	25,917	25,917		25,917
217	0305208N	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	14,676	14,676	14,676		14,676
218	0305220N	RQ-4 UAV	657,483	657,483	657,483		657,483
219	0305231N	MQ-8 UAV	99,600	99,600	99,600		99,600
220	0305232M	RQ-11 UAV	495	495	495		495
221	0305233N	RQ-7 UAV	863	863	863		863
223	0305234N	SMALL (LEVEL 0) TACTICAL UAS (STUASLO)	9,734	9,734	9,734		9,734
225	0305239M	RQ-21A	22,343	22,343	22,343		22,343

226	0308601N	MODELING AND SIMULATION SUPPORT	5,908	5,908	5,908	5,908
227	0702207N	DEPOT MAINTENANCE (NON-IF)	27,391	27,391	27,391	27,391
229	0708011N	INDUSTRIAL PREPAREDNESS	54,879	54,879	54,879	54,879
230	0708730N	MARITIME TECHNOLOGY (MARITECH)	5,000	5,000	5,000	5,000
230A	9999999999	CLASSIFIED PROGRAMS	1,151,159	1,151,159	1,151,159	1,351,159
		Program increase			200,000	
					[200,000]	
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	3,975,546	3,975,546	182,000	4,157,546
		PRIOR YEAR SAVINGS				
230B	9999999999	PRIOR YEAR SAVINGS		-8,832		0
		Medium range maritime UAS cancellation		[-8,832]		
		SUBTOTAL PRIOR YEAR SAVINGS		-8,832		0
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY	16,882,877	16,874,045	426,100	17,308,977
		RESEARCH, DEVELOPMENT, TEST & EVAL, AF				
		BASIC RESEARCH				
001	0601102F	DEFENSE RESEARCH SCIENCES	361,787	361,787		361,787
002	0601103F	UNIVERSITY RESEARCH INITIATIVES	141,153	141,153		141,153
003	0601108F	HIGH ENERGY LASER RESEARCH INITIATIVES	13,094	13,094		13,094
		SUBTOTAL BASIC RESEARCH	516,034	516,034		516,034
		APPLIED RESEARCH				
004	0602102F	MATERIALS	114,166	114,166		114,166
005	0602201F	AEROSPACE VEHICLE TECHNOLOGIES	120,719	120,719		120,719
006	0602202F	HUMAN EFFECTIVENESS APPLIED RESEARCH	89,319	89,319		89,319
007	0602203F	AEROSPACE PROPULSION	232,547	232,547		232,547
008	0602204F	AEROSPACE SENSORS	127,637	127,637		127,637
009	0602601F	SPACE TECHNOLOGY	98,375	98,375		98,375
010	0602602F	CONVENTIONAL MUNITIONS	77,175	77,175		77,175
011	0602605F	DIRECTED ENERGY TECHNOLOGY	106,196	106,196		106,196
012	0602788F	DOMINANT INFORMATION SCIENCES AND METHODS	104,362	104,362		104,362

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013	0602890F	HIGH ENERGY LASER RESEARCH	38,557	38,557	38,557		38,557
		SUBTOTAL APPLIED RESEARCH	1,109,053	1,109,053	1,109,053		1,109,053
		ADVANCED TECHNOLOGY DEVELOPMENT					
014	0603112F	ADVANCED MATERIALS FOR WEAPON SYSTEMS	47,890	57,890	47,890	10,000	57,890
		Increase Materials Affordability Initiative program		[10,000]		[10,000]	
015	0603199F	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T)	6,565	6,565	6,565		6,565
016	0603203F	ADVANCED AEROSPACE SENSORS	37,657	37,657	37,657		37,657
017	0603211F	AEROSPACE TECHNOLOGY DEV/DEMO	81,376	81,376	81,376		81,376
018	0603216F	AEROSPACE PROPULSION AND POWER TECHNOLOGY	151,152	151,152	151,152		151,152
019	0603270F	ELECTRONIC COMBAT TECHNOLOGY	32,941	32,941	32,941		32,941
020	0603401F	ADVANCED SPACECRAFT TECHNOLOGY	64,557	64,557	64,557		64,557
021	0603444F	MAUI SPACE SURVEILLANCE SYSTEM (MSSS)	29,256	29,256	29,256		29,256
022	0603456F	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT	21,523	21,523	21,523		21,523
023	0603601F	CONVENTIONAL WEAPONS TECHNOLOGY	36,352	36,352	36,352		36,352
024	0603605F	ADVANCED WEAPONS TECHNOLOGY	19,004	19,004	19,004		19,004
025	0603680F	MANUFACTURING TECHNOLOGY PROGRAM	37,045	37,045	37,045		37,045
026	0603788F	BATTLESPACE KNOWLEDGE DEVELOPMENT AND DEMONSTRATION	31,419	31,419	31,419		31,419
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	596,737	606,737	596,737	10,000	606,737
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES					
028	0603260F	INTELLIGENCE ADVANCED DEVELOPMENT	3,866	3,866	3,866		3,866
029	0603287F	PHYSICAL SECURITY EQUIPMENT	3,704	3,704	3,704		3,704
030	0603430F	ADVANCED EHF MILSATCOM (SPACE)	229,171	227,671	227,671	-1,500	227,671
		Project decrease		[-1,500]	[-1,500]	[-1,500]	
031	0603432F	POLAR MILSATCOM (SPACE)	120,676	120,676	120,676		120,676
032	0603438F	SPACE CONTROL TECHNOLOGY	25,144	23,144	23,144	-2,000	23,144

		Project decrease				
033	0603742F	COMBAT IDENTIFICATION TECHNOLOGY	32,243	[-2,000]	32,243	[-2,000]
034	0603790F	NATO RESEARCH AND DEVELOPMENT	4,507	4,507	4,507	4,507
035	0603791F	INTERNATIONAL SPACE COOPERATIVE R&D	652	652	652	652
036	0603830F	SPACE PROTECTION PROGRAM (SPP)	10,429	10,429	10,429	10,429
037	0603850F	INTEGRATED BROADCAST SERVICE—DEMAVAL	19,938	19,938	19,938	19,938
038	0603851F	INTERCONTINENTAL BALLISTIC MISSILE—DEMAVAL	71,181	71,181	71,181	71,181
039	0603854F	WIDEBAND GLOBAL SATCOM RDT&E (SPACE)	12,027	12,027	12,027	12,027
040	0603859F	POLLUTION PREVENTION—DEMAVAL	2,054	2,054	2,054	2,054
041	0603860F	JOINT PRECISION APPROACH AND LANDING SYSTEMS—DEMAVAL	57,975	57,975	57,975	57,975
042	0604015F	LONG RANGE STRIKE	291,742	291,742	291,742	291,742
043	0604283F	BATTLE MGMT COM & CTRL SENSOR DEVELOPMENT	114,417	114,417	114,417	114,417
044	0604317F	TECHNOLOGY TRANSFER	2,576	2,576	2,576	2,576
045	0604327F	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM	16,711	16,711	16,711	16,711
047	0604337F	REQUIREMENTS ANALYSIS AND MATURATION	16,343	16,343	16,343	16,343
048	0604422F	WEATHER SATELLITE FOLLOW-ON	2,000	2,000	2,000	2,000
050	0604635F	GROUND ATTACK WEAPONS FUZE DEVELOPMENT	9,423	9,423	9,423	9,423
054	0604857F	OPERATIONALLY RESPONSIVE SPACE	25,000	45,000	45,000	45,000
		Restore Operationally Responsive Space	[25,000]	[45,000]	[45,000]	[45,000]
055	0604858F	TECH TRANSITION PROGRAM	37,558	34,558	34,558	34,558
		Project decrease	[-3,000]	[-3,000]	[-3,000]	[-3,000]
056	0305164F	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE)	96,840	96,840	96,840	96,840
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	1,181,177	1,199,677	1,219,677	38,500
						1,219,677
		SYSTEM DEVELOPMENT & DEMONSTRATION				
058	0603840F	GLOBAL BROADCAST SERVICE (GBS)	14,652	14,652	14,652	14,652
059	0604222F	NUCLEAR WEAPONS SUPPORT	25,713	25,713	25,713	25,713
060	0604233F	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING	6,583	6,583	6,583	4,983
		Program delays				[-1,600]
061	0604270F	ELECTRONIC WARFARE DEVELOPMENT	1,975	1,975	1,975	1,975
062	0604280F	JOINT TACTICAL RADIO	2,594	2,594	2,594	2,594
063	0604281F	TACTICAL DATA NETWORKS ENTERPRISE	24,534	24,534	24,534	24,534

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064	0604287F	PHYSICAL SECURITY EQUIPMENT	51	51	51		51
065	0604329F	SMALL DIAMETER BOMB (SDB)—EMD	143,000	143,000	143,000		143,000
066	0604421F	COUNTERSPACE SYSTEMS	28,797	28,797	28,797		28,797
067	0604425F	SPACE SITUATION AWARENESS SYSTEMS	267,252	267,252	247,252	-20,000	247,252
		C-Band Radar re-location			[3,000]	[3,000]	
		Excess funding			[-20,000]	[-20,000]	
		Undistributed reduction			[-3,000]	[-3,000]	
068	0604429F	AIRBORNE ELECTRONIC ATTACK	4,118	4,118	4,118		4,118
069	0604441F	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD	448,594	446,594	446,594	-2,000	446,594
		Project decrease		[-2,000]	[-2,000]		
070	0604602F	ARMAMENT/ORDNANCE DEVELOPMENT	9,951	9,951	9,951		9,951
071	0604604F	SUBMUNITIONS	2,567	2,567	2,567		2,567
072	0604617F	AGILE COMBAT SUPPORT	13,059	13,059	13,059		13,059
073	0604706F	LIFE SUPPORT SYSTEMS	9,720	9,720	9,720		9,720
074	0604735F	COMBAT TRAINING RANGES	9,222	9,222	9,222		9,222
076	0604750F	INTELLIGENCE EQUIPMENT	803	803	803		803
077	0604800F	F-35—EMD	1,210,306	1,210,306	1,210,306	-2,307	1,207,999
		Block 4—early to need				[-2,307]	
078	0604851F	INTERCONTINENTAL BALLISTIC MISSILE—EMD	135,437	135,437	135,437		135,437
079	0604853F	EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE)—EMD	7,980	7,980	7,980		7,980
080	0604932F	LONG RANGE STANDOFF WEAPON	2,004	2,004	2,004		2,004
081	0604933F	ICBM FUZE MODERNIZATION	73,512	73,512	73,512		73,512
082	0605213F	F-22 MODERNIZATION INCREMENT 3.2B	140,100	140,100	140,100		140,100
083	0605221F	NEXT GENERATION AERIAL REFUELING AIRCRAFT	1,815,588	1,815,588	1,728,458	-77,100	1,738,488
		Excess prior year funds			[-87,130]	[-77,100]	
084	0605229F	CSAR HH-60 RECAPITALIZATION	123,210	123,210	123,210		123,210
085	0605278F	HC/MC-130 RECAP RDT&E	19,039	19,039	19,039		19,039

086	0605931F	B-2 DEFENSIVE MANAGEMENT SYSTEM	281,056	281,056	281,056	281,056	281,056
087	0101125F	NUCLEAR WEAPONS MODERNIZATION	80,200	80,200	80,200	80,200	80,200
089	0207604F	READINESS TRAINING RANGES, OPERATIONS AND MAINTENANCE	310	310	310	310	310
090	0207701F	FULL COMBAT MISSION TRAINING	14,861	14,861	14,861	14,861	14,861
091	0305230F	MC-12	19,949	19,949	19,949	19,949	19,949
092	0401138F	C-27J AIRLIFT SQUADRONS	25,000	25,000	25,000	25,000	0
		Joint Cargo Aircraft	[25,000]	[25,000]			
093	0401318F	CV-22	28,027	28,027	28,027	28,027	28,027
094	0401845F	AIRBORNE SENIOR LEADER C3 (SLC3S)	1,960	1,960	1,960	1,960	1,960
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION	4,989,724	4,989,724	4,857,594	-103,007	4,863,717
		RD&E MANAGEMENT SUPPORT					
095	0604256F	THREAT SIMULATOR DEVELOPMENT	22,812	22,812	22,812	22,812	22,812
096	0604759F	MAJOR T&E INVESTMENT	42,236	42,236	42,236	42,236	42,236
097	0605101F	RAND PROJECT AIR FORCE	25,579	25,579	25,579	25,579	25,579
099	0605712F	INITIAL OPERATIONAL TEST & EVALUATION	16,197	16,197	16,197	16,197	16,197
100	0605807F	TEST AND EVALUATION SUPPORT	722,071	722,071	722,071	722,071	722,071
101	0605860F	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	16,200	16,200	16,200	16,200	16,200
102	0605864F	SPACE TEST PROGRAM (STP)	10,051	45,001	45,051	35,000	45,051
		Restore Space Test Program	[34,950]	[35,000]	[35,000]	[35,000]	
103	0605976F	FACILITIES RESTORATION AND MODERNIZATION—TEST AND EVALUATION SUPPORT	42,597	42,597	42,597	42,597	42,597
104	0605978F	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT	27,301	27,301	27,301	27,301	27,301
105	0606323F	MULTI-SERVICE SYSTEMS ENGINEERING INITIATIVE	13,964	13,964	13,964	13,964	13,964
106	0606392F	SPACE AND MISSILE CENTER (SMC) CIVILIAN WORKFORCE	203,766	203,766	203,766	203,766	203,766
107	0702806F	ACQUISITION AND MANAGEMENT SUPPORT	42,430	42,430	42,430	42,430	42,430
108	0804731F	GENERAL SKILL TRAINING	1,294	1,294	1,294	1,294	1,294
111	1001004F	INTERNATIONAL ACTIVITIES	3,851	3,851	3,851	3,851	3,851
		SUBTOTAL RD&E MANAGEMENT SUPPORT	1,190,349	1,225,299	1,225,349	35,000	1,225,349
		OPERATIONAL SYSTEMS DEVELOPMENT					
112	0603423F	GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT	371,595	370,095	370,095	-1,500	370,095

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		Project decrease		[-1,500]	[-1,500]	[-1,500]	
114	0605018F	AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS)	91,697	91,697	91,697		91,697
115	0605024F	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY	17,037	17,037	17,037		17,037
117	0101113F	B-52 SQUADRONS	53,208	53,208	53,208		53,208
118	0101122F	AIR-LAUNCHED CRUISE MISSILE (ALCM)	431	431	431		431
119	0101126F	B-1B SQUADRONS	16,265	16,265	16,265		16,265
120	0101127F	B-2 SQUADRONS	35,970	35,970	20,970		35,970
		Efficiencies		[-15,000]			
121	0101313F	STRAT WAR PLANNING SYSTEM—USSTRATCOM	30,889	30,889	30,889		30,889
122	0101314F	NIGHT FIST—USSTRATCOM	10	10	10		10
124	0102326F	REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION PROGRAM	5,609	5,609	5,609		5,609
126	0203761F	WARFIGHTER RAPID ACQUISITION PROCESS (WRAP) RAPID TRANSITION FUND.	15,098	15,098	15,098		15,098
127	0205219F	MQ-9 UAV	147,971	147,971	147,971		147,971
128	0207040F	MULTI-PLATFORM ELECTRONIC WARFARE EQUIPMENT	49,848	49,848	49,848		49,848
129	0207131F	A-10 SQUADRONS	13,538	13,538	13,538		13,538
130	0207133F	F-16 SQUADRONS	190,257	190,257	190,257		190,257
131	0207134F	F-15E SQUADRONS	192,677	192,677	192,677		192,677
132	0207136F	MANNED DESTRUCTIVE SUPPRESSION	13,683	13,683	13,683		13,683
133	0207138F	F-22A SQUADRONS	371,667	371,667	371,667		371,667
134	0207142F	F-35 SQUADRONS	8,117	8,117	8,117		8,117
135	0207161F	TACTICAL AIM MISSILES	8,234	8,234	8,234		8,234
136	0207163F	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	87,041	87,041	87,041		87,041
137	0207170F	JOINT HELMET MOUNTED CUEING SYSTEM (JHMCS)	1,472	1,472	1,472		1,472
138	0207224F	COMBAT RESCUE AND RECOVERY	2,095	2,095	2,095		2,095
139	0207227F	COMBAT RESCUE—PARARESCUE	1,119	1,119	1,119		1,119
140	0207247F	AF TENCAP	63,853	63,853	63,853		63,853

141	0207249F	PRECISION ATTACK SYSTEMS PROCUREMENT	1,063	1,063	1,063	1,063	1,063
142	0207253F	COMPASS CALL	12,094	12,094	12,094	12,094	12,094
143	0207268F	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	187,984	187,984	187,984	187,984	187,984
145	0207325F	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)	7,950	7,950	7,950	7,950	7,950
146	0207410F	AIR & SPACE OPERATIONS CENTER (AOC)	76,315	76,315	76,315	76,315	76,315
147	0207412F	CONTROL AND REPORTING CENTER (CRC)	8,653	8,653	8,653	8,653	8,653
148	0207417F	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)	65,200	65,200	65,200	65,200	65,200
149	0207418F	TACTICAL AIRBORNE CONTROL SYSTEMS	5,767	5,767	5,767	5,767	5,767
152	0207431F	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES	5,756	5,756	5,756	5,756	5,756
154	0207444F	TACTICAL AIR CONTROL PARTY-MOD	16,226	16,226	16,226	16,226	16,226
156	0207448F	C2ISR TACTICAL DATA LINK	1,633	1,633	1,633	1,633	1,633
157	0207449F	COMMAND AND CONTROL (C2) CONSTELLATION	18,086	18,086	18,086	18,086	18,086
158	0207452F	DCAPEX	15,690	15,690	15,690	15,690	15,690
159	0207581F	JOINT SURVEILLANCE/TARGET ATTACK RADAR SYSTEM (USTARS)	24,241	24,241	24,241	24,241	24,241
160	0207590F	SEEK EAGLE	22,654	22,654	22,654	22,654	22,654
161	0207601F	USAF MODELING AND SIMULATION	15,501	15,501	15,501	15,501	15,501
162	0207605F	WARGAMING AND SIMULATION CENTERS	5,699	5,699	5,699	5,699	5,699
163	0207697F	DISTRIBUTED TRAINING AND EXERCISES	4,425	4,425	4,425	4,425	4,425
164	0208006F	MISSION PLANNING SYSTEMS	69,377	69,377	69,377	69,377	69,377
165	0208021F	INFORMATION WARFARE SUPPORT	7,159	7,159	7,159	7,159	7,159
166	0208059F	CYBER COMMAND ACTIVITIES	66,888	66,888	66,888	66,888	66,888
174	0301400F	SPACE SUPERIORITY INTELLIGENCE	12,056	12,056	12,056	12,056	12,056
175	0302015F	E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC)	4,159	4,159	4,159	4,159	4,159
176	0303131F	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN)	20,124	20,124	20,124	20,124	20,124
177	0303140F	INFORMATION SYSTEMS SECURITY PROGRAM	69,133	69,133	69,133	69,133	69,133
178	0303141F	GLOBAL COMBAT SUPPORT SYSTEM	6,512	6,512	6,512	6,512	6,512
179	0303150F	GLOBAL COMMAND AND CONTROL SYSTEM	4,316	4,316	4,316	4,316	2,316
		Underexecution					-2,000
							[-2,000]
180	0303601F	MILSATCOM TERMINALS	107,237	107,237	107,237	107,237	107,237
182	0304260F	AIRBORNE SIGINT ENTERPRISE	129,106	129,106	129,106	129,106	129,106
185	0305099F	GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	4,461	4,461	4,461	4,461	4,461
186	0305103F	CYBER SECURITY INITIATIVE	2,055	2,055	2,055	2,055	2,055

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187	0305105F	DOD CYBER CRIME CENTER	285	285	285		285
188	0305110F	SATELLITE CONTROL NETWORK (SPACE)	33,773	33,773	33,773		33,773
189	0305111F	WEATHER SERVICE	29,048	29,048	29,048		29,048
190	0305114F	AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCAL)	43,187	43,187	43,187		43,187
191	0305116F	AERIAL TARGETS	50,496	50,496	50,496		50,496
194	0305128F	SECURITY AND INVESTIGATIVE ACTIVITIES	354	354	354		354
195	0305145F	ARMS CONTROL IMPLEMENTATION	4,000	4,000	4,000		4,000
196	0305146F	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	342	342	342		342
198	0305164F	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE)	29,621	29,621	29,621		29,621
199	0305165F	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS)	14,335	14,335	14,335		14,335
201	0305173F	SPACE AND MISSILE TEST AND EVALUATION CENTER	3,680	3,680	3,680		3,680
202	0305174F	SPACE INNOVATION AND DEVELOPMENT CENTER	2,430	2,430	2,430		2,430
203	0305182F	SPACELIFT RANGE SYSTEM (SPACE)	8,760	8,760	8,760		8,760
205	0305202F	DRAGON U-2	23,644	23,644	23,644		23,644
206	0305205F	ENDURANCE UNMANNED AERIAL VEHICLES	21,000	21,000	21,000		21,000
207	0305206F	AIRBORNE RECONNAISSANCE SYSTEMS	96,735	96,735	96,735		96,735
208	0305207F	MANNED RECONNAISSANCE SYSTEMS	13,316	13,316	13,316		13,316
209	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	63,501	63,501	63,501		63,501
210	0305219F	MQ-1 PREDATOR A UAV	9,122	9,122	9,122		9,122
211	0305220F	RQ-4 UAV	236,265	236,265	236,265		236,265
212	0305221F	NETWORK-CENTRIC COLLABORATIVE TARGETING	7,367	7,367	7,367		7,367
213	0305236F	COMMON DATA LINK (CDL)	38,094	38,094	38,094		38,094
214	0305238F	NATO AGS	210,109	210,109	210,109		210,109
215	0305240F	SUPPORT TO DCS ENTERPRISE	24,500	24,500	24,500		24,500
216	0305265F	GPS III SPACE SEGMENT	318,992	318,992	318,992		318,992
217	0305614F	JSPOC MISSION SYSTEM	54,645	54,645	54,645		54,645
218	0305881F	RAPID CYBER ACQUISITION	4,007	4,007	4,007		4,007

219	0305887F	INTELLIGENCE SUPPORT TO INFORMATION WARFARE	13,357	13,357	13,357	13,357	13,357	
220	0305913F	NUDET DETECTION SYSTEM (SPACE)	64,965	64,965	64,965	64,965	-1,600	63,365
		ICADS—early to need					[-1,600]	
221	0305940F	SPACE SITUATION AWARENESS OPERATIONS	19,586	19,586	19,586	19,586		19,586
223	0308699F	SHARED EARLY WARNING (SEW)	1,175	1,175	1,175	1,175		1,175
224	0401115F	C-130 AIRLIFT SQUADRON	5,000	5,000	5,000	5,000		5,000
225	0401119F	C-5 AIRLIFT SQUADRONS (IF)	35,115	35,115	35,115	35,115		35,115
226	0401130F	C-17 AIRCRAFT (IF)	99,225	99,225	99,225	99,225		99,225
227	0401132F	C-130J PROGRAM	30,652	30,652	30,652	30,652		30,652
228	0401134F	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCW)	7,758	7,758	7,758	7,758		7,758
229	0401139F	LIGHT MOBILITY AIRCRAFT (LIMA)	100	100	100	100	-100	0
		Program termination					[-100]	
231	0401219F	KC-10S	24,022	24,022	24,022	24,022		24,022
232	0401314F	OPERATIONAL SUPPORT AIRLIFT	7,471	7,471	7,471	7,471		7,471
234	0408011F	SPECIAL TACTICS / COMBAT CONTROL	4,984	4,984	4,984	4,984		4,984
235	0702207F	DEPOT MAINTENANCE (NON-IF)	1,588	1,588	1,588	1,588		1,588
236	0708012F	LOGISTICS SUPPORT ACTIVITIES	577	577	577	577		577
237	0708610F	LOGISTICS INFORMATION TECHNOLOGY (LOGIT)	119,327	119,327	119,327	119,327	-20,000	99,327
		Program delays					[-20,000]	
238	0708611F	SUPPORT SYSTEMS DEVELOPMENT	15,873	15,873	15,873	15,873		15,873
240	0804743F	OTHER FLIGHT TRAINING	349	349	349	349		349
242	0808716F	OTHER PERSONNEL ACTIVITIES	117	117	117	117		117
243	0901202F	JOINT PERSONNEL RECOVERY AGENCY	2,018	2,018	2,018	2,018		2,018
244	0901218F	CIVILIAN COMPENSATION PROGRAM	1,561	1,561	1,561	1,561		1,561
245	0901220F	PERSONNEL ADMINISTRATION	7,634	7,634	7,634	7,634		7,634
246	0901226F	AIR FORCE STUDIES AND ANALYSIS AGENCY	1,175	1,175	1,175	1,175		1,175
247	0901279F	FACILITIES OPERATION—ADMINISTRATIVE	3,491	3,491	3,491	3,491		3,491
248	0901538F	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT	100,160	100,160	100,160	100,160		100,160
249A	9999999999	CLASSIFIED PROGRAMS	11,172,183	11,172,183	11,149,583	11,172,183		11,172,183
		Classified reduction					[-22,600]	
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	15,867,972	15,866,472	15,828,872	15,866,472	-25,200	15,842,772

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249B	9999999999	PRIOR YEAR SAVINGS					0
		PRIOR YEAR SAVINGS			-78,426		
		C-130 AMP cancellation			[-6,509]		
		Global Hawk Block 30 cancellation			[-64,000]		
		MALD II Cancellation			[-7,917]		
		SUBTOTAL PRIOR YEAR SAVINGS			-78,426		0
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF	25,428,046	25,512,996	25,274,890	-44,707	25,383,339
		RESEARCH, DEVELOPMENT, TEST & EVAL, DW					
		BASIC RESEARCH					
001	0601000BR	DTRA BASIC RESEARCH INITIATIVE	45,071	45,071	45,071		45,071
002	0601101E	DEFENSE RESEARCH SCIENCES	309,051	309,051	309,051		309,051
003	0601110D8Z	BASIC RESEARCH INITIATIVES	19,405	19,405	19,405		19,405
004	0601117E	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE	39,676	39,676	39,676		39,676
005	0601120D8Z	NATIONAL DEFENSE EDUCATION PROGRAM	87,979	87,979	87,979		87,979
006	0601384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	50,566	50,566	50,566		50,566
		SUBTOTAL BASIC RESEARCH	551,748	551,748	551,748		551,748
		APPLIED RESEARCH					
007	0602000D8Z	JOINT MUNITIONS TECHNOLOGY	20,615	20,615	20,615		20,615
008	0602115E	BIOMEDICAL TECHNOLOGY	110,900	110,900	110,900		110,900
009	0602228D8Z	HISTORICALLY BLACK COLLEGES AND UNIVERSITIES (HBCU) SCIENCE		10,000		10,000	10,000
		Program increase		[10,000]		[10,000]	
010	060234D8Z	LINCOLN LABORATORY RESEARCH PROGRAM	36,826	36,826	36,826		36,826
011	0602500D8Z	SYSTEMS 2020 APPLIED RESEARCH	7,898	7,898	7,898		7,898
012	0602303E	INFORMATION & COMMUNICATIONS TECHNOLOGY	392,421	392,421	392,421		392,421

013	0602304E	COGNITIVE COMPUTING SYSTEMS	30,424	30,424	30,424	30,424	30,424
015	0602383E	BIOLOGICAL WARFARE DEFENSE	19,236	19,236	19,236	19,236	19,236
016	0602384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	223,269	223,269	223,269	223,269	223,269
017	060266308Z	DATA TO DECISIONS APPLIED RESEARCH	13,753	13,753	13,753	13,753	9,753
		Excessive growth				-4,000	
018	060266808Z	CYBER SECURITY RESEARCH	18,985	18,985	18,985	18,985	12,985
		Excessive growth				-6,000	
019	060267008Z	HUMAN, SOCIAL AND CULTURE BEHAVIOR MODELING (HSCB) APPLIED RE- SEARCH	6,771	6,771	6,771	6,771	6,771
020	0602702E	TACTICAL TECHNOLOGY	233,209	233,209	233,209	233,209	233,209
021	0602715E	MATERIALS AND BIOLOGICAL TECHNOLOGY	166,067	166,067	166,067	166,067	166,067
022	0602716E	ELECTRONICS TECHNOLOGY	222,416	222,416	222,416	222,416	222,416
023	0602718BR	WEAPONS OF MASS DESTRUCTION DEFEAT TECHNOLOGIES	172,352	172,352	172,352	172,352	172,352
024	1160401BB	SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT	28,739	28,739	28,739	28,739	28,739
		SUBTOTAL APPLIED RESEARCH	1,703,881	1,713,881	1,703,881	1,703,881	1,703,881
025	060300008Z	ADVANCED TECHNOLOGY DEVELOPMENT (ATD) JOINT MUNITIONS ADVANCED TECHNOLOGY	25,612	25,612	25,612	25,612	21,612
		Excessive growth				-4,000	
026	0603121D8Z	SO/LIC ADVANCED DEVELOPMENT	26,324	26,324	26,324	26,324	26,324
027	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT	77,144	77,144	65,844	77,144	77,144
		Reduction due to duplication of effort			-11,300		
028	0603160BR	COUNTERPROLIFERATION INITIATIVES—PROLIFERATION PREVENTION AND DEFEAT	275,022	275,022	275,022	275,022	275,022
029	0603175C	BALLISTIC MISSILE DEFENSE TECHNOLOGY	79,975	79,975	79,975	79,975	79,975
031	0603225D8Z	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT	20,032	20,032	20,032	20,032	20,032
032	0603264S	AGILE TRANSPORTATION FOR THE 21ST CENTURY (AT21)—THEATER CAPA- BILITY	3,892	3,892	3,892	3,892	3,892
033	0603274C	SPECIAL PROGRAM—MDA TECHNOLOGY	36,685	36,685	36,685	36,685	36,685
034	0603286E	ADVANCED AEROSPACE SYSTEMS	174,316	149,316	174,316	174,316	159,316
		Program decrease		-25,000		-15,000	
035	0603287E	SPACE PROGRAMS AND TECHNOLOGY	159,704	159,704	159,704	159,704	159,704

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036	0603384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEVELOPMENT.	234,280	229,280	234,280		234,280
		Program decrease		[-5,000]			
037	0603618D8Z	JOINT ELECTRONIC ADVANCED TECHNOLOGY	6,983	6,983	6,983		6,983
038	0603648D8Z	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS	158,263	158,263	158,263		158,263
039	0603662D8Z	NETWORKED COMMUNICATIONS CAPABILITIES	25,393	25,393	25,393		25,393
040	0603663D8Z	DATA TO DECISIONS ADVANCED TECHNOLOGY DEVELOPMENT	13,754	13,754	13,754	-4,000	9,754
		Excessive growth				[-4,000]	
042	0603668D8Z	CYBER SECURITY ADVANCED RESEARCH	19,935	19,935	19,935	-6,000	13,935
		Excessive growth				[-6,000]	
043	0603670D8Z	HUMAN, SOCIAL AND CULTURE BEHAVIOR MODELING (HSCB) ADVANCED DEVELOPMENT.	8,235	8,235	8,235		8,235
044	0603680D8Z	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM	21,966	21,966	51,966	30,000	51,966
		Industrial Base Innovation Fund			[30,000]	[30,000]	
045	0603699D8Z	EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT	24,662	24,662	24,662		24,662
047	0603712S	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS	24,605	24,605	24,605		24,605
048	0603713S	DEPLOYMENT AND DISTRIBUTION ENTERPRISE TECHNOLOGY	30,678	30,678	30,678		30,678
049	0603716D8Z	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM	65,282	65,282	65,282		65,282
050	0603720S	MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUPPORT	72,234	82,234	69,234	-10,000	62,234
		.90nm Next Generation Foundry-early to need				[-10,000]	
		DMEA upgrade reduction					
		Program increase		[10,000]			
051	0603727D8Z	JOINT WARFIGHTING PROGRAM	8,403	8,403	8,403		8,403
052	0603739E	ADVANCED ELECTRONICS TECHNOLOGIES	111,008	111,008	111,008		111,008
054	0603760E	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	237,859	212,859	237,859	-8,000	229,859
		Program reduction		[-25,000]		[-8,000]	
055	0603765E	CLASSIFIED DARPA PROGRAMS	3,000	3,000	3,000		3,000

056	0603766E	NETWORK-CENTRIC WARFARE TECHNOLOGY	236,883	236,883	236,883	236,883	236,883	
057	0603767E	SENSOR TECHNOLOGY	299,438	299,438	299,438	299,438	299,438	
058	0603769SE	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT	12,195	12,195	12,195	12,195	12,195	
059	0603781D8Z	SOFTWARE ENGINEERING INSTITUTE	30,036	30,036	30,036	30,036	30,036	
060	0603826D8Z	QUICK REACTION SPECIAL PROJECTS	107,002	107,002	107,002	107,002	107,002	-15,000
		Excessive growth						[-15,000]
062	0603828J	JOINT EXPERIMENTATION	21,230	21,230	21,230	21,230	21,230	
063	0603832D8Z	DOD MODELING AND SIMULATION MANAGEMENT OFFICE	47,433	47,433	47,433	47,433	47,433	
064	0603901C	DIRECTED ENERGY RESEARCH	46,944	46,944	46,944	46,944	46,944	-5,000
		Program increase						
		Unjustified request						[-5,000]
065	0603902C	NEXT GENERATION AEGIS MISSILE	224,077	224,077	224,077	224,077	224,077	
066	0603941D8Z	TEST & EVALUATION SCIENCE & TECHNOLOGY	92,602	92,602	92,602	92,602	92,602	
068	0604055D8Z	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT	26,244	26,244	26,244	26,244	26,244	
069	0303310D8Z	CWMD SYSTEMS	53,946	53,946	53,946	53,946	53,946	-15,000
		Program reduction						[-15,000]
070	1160402BB	SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT	45,317	45,317	45,317	45,317	45,317	
071	1160422BB	AVIATION ENGINEERING ANALYSIS	861	861	861	861	861	
072	1160472BB	SOF INFORMATION AND BROADCAST SYSTEMS ADVANCED TECHNOLOGY	4,959	4,959	4,959	4,959	4,959	
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT (ATD)	3,194,413	3,179,413	3,210,113	3,142,413	3,142,413	-52,000
073	0603161D8Z	ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES						
		NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E	33,234	33,234	33,234	33,234	33,234	
		ADC&P						
074	0603527D8Z	RETRACT LARCH	21,023	21,023	21,023	21,023	21,023	
075	0603600D8Z	WALKOFF	94,624	94,624	94,624	94,624	94,624	
077	0603714D8Z	ADVANCED SENSOR APPLICATIONS PROGRAM	16,958	16,958	18,958	18,958	18,958	2,000
		Reverse cuts to testing						[2,000]
078	0603851D8Z	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	75,941	75,941	75,941	75,941	75,941	
079	0603881C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	316,929	316,929	316,929	316,929	316,929	
080	0603882C	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT	903,172	1,363,172	903,172	903,172	978,172	75,000
		East Coast site planning and development, and EIS work						[103,000]

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		Program increase		[357,000]		[75,000]	
081	0603884BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEW/VAL	179,023	179,023	179,023		179,023
082	0603884C	BALLISTIC MISSILE DEFENSE SENSORS	347,012	347,012	347,012		347,012
084	0603890C	BMD ENABLING PROGRAMS	362,711	362,711	362,711		362,711
085	0603891C	SPECIAL PROGRAMS—MDA	272,387	272,387	272,387		272,387
086	0603892C	AEGIS BMD	992,407	992,407	992,407		992,407
087	0603893C	SPACE TRACKING & SURVEILLANCE SYSTEM	51,313	51,313	51,313		51,313
088	0603895C	BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS	6,912	6,912	6,912		6,912
089	0603896C	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT & COMMUNICATION	366,552	366,552	366,552		366,552
090	0603898C	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT	55,550	55,550	55,550		55,550
091	0603904C	MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC)	63,043	63,043	63,043		63,043
092	0603906C	REGARDING TRENCH	11,371	11,371	11,371		11,371
093	0603907C	SEA BASED X-BAND RADAR (SBX)	9,730	9,730	9,730		9,730
094	0603913C	ISRAELI COOPERATIVE PROGRAMS	99,836	267,836	409,836	379,000	478,836
		Arrow Weapon System improvements		[20,000]			
		Arrow-3 interceptor		[20,000]			
		David's Sling short-range BMD		[60,000]			
		Increase to DSWS, ASIP, Arrow-3 cooperative programs				[168,000]	
		Iron Dome short-range rocket defense		[168,000]			
095	0603914C	BALLISTIC MISSILE DEFENSE TEST	454,400	454,400	454,400		454,400
096	0603915C	BALLISTIC MISSILE DEFENSE TARGETS	435,747	435,747	435,747		435,747
097	0603920D8Z	HUMANITARIAN DEMINING	13,231	13,231	13,231		13,231
098	0603923D8Z	COALITION WARFARE	11,398	11,398	11,398		11,398
099	0604016D8Z	DEPARTMENT OF DEFENSE CORROSION PROGRAM	3,283	3,283	24,083	20,800	24,083
		Increase for requirements shortfall				[20,800]	

100	0604400D8Z	DEPARTMENT OF DEFENSE (DOD) UNMANNED AIRCRAFT SYSTEM (UAS) COMMON DEVELOPMENT.	12,368	12,368	12,368	12,368
101	0604670D8Z	HUMAN, SOCIAL AND CULTURE BEHAVIOR MODELING (HSCB) RESEARCH AND ENGINEERING.	5,131	5,131	5,131	5,131
102	0604775D8Z	DEFENSE RAPID INNOVATION PROGRAM	200,000	200,000	200,000	200,000
		Rapid Innovation Program	[200,000]	[200,000]	[200,000]	[200,000]
104	0604787J	JOINT SYSTEMS INTEGRATION	3,273	3,273	3,273	3,273
106	0604828J	JOINT FIRES INTEGRATION AND INTEROPERABILITY TEAM	7,364	7,364	7,364	7,364
107	0604880C	LAND-BASED SM-3 (LBSM3)	276,338	276,338	276,338	276,338
108	0604881C	AEGIS SM-3 BLOCK IIA CO-DEVELOPMENT	420,630	420,630	420,630	420,630
109	0604883C	PRECISION TRACKING SPACE SENSOR RDT&E	297,375	297,375	297,375	297,375
		Project decrease to support technology development	[−247,375]	[−247,375]	[−55,000]	[−55,000]
111	0604886C	ADVANCED REMOTE SENSOR TECHNOLOGY (ARST)	58,742	58,742	58,742	33,742
		Program reduction			[−25,000]	[−25,000]
113	0303191D8Z	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM	3,158	3,158	3,158	3,158
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	6,282,166	6,662,791	596,800	6,878,966
SYSTEM DEVELOPMENT AND DEMONSTRATION (SDD)						
115	0604161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E SDD	6,817	6,817	6,817	6,817
116	0604165D8Z	PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT	110,383	110,383	110,383	110,383
117	0604384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—EMD	311,071	311,071	311,071	311,071
119	0604764K	ADVANCED IT SERVICES JOINT PROGRAM OFFICE (AITS-JPO)	25,787	25,787	25,787	25,787
120	0604771D8Z	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	20,688	20,688	20,688	20,688
121	0605000BR	WEAPONS OF MASS DESTRUCTION DEFEAT CAPABILITIES	5,749	5,749	5,749	5,749
122	0605013BL	INFORMATION TECHNOLOGY DEVELOPMENT	12,699	12,699	12,699	12,699
125	0605021SE	HOMELAND PERSONNEL SECURITY INITIATIVE	387	387	387	387
126	0605022D8Z	DEFENSE EXPORTABILITY PROGRAM	1,859	1,859	1,859	1,859
127	0605027D8Z	OUSDC IT DEVELOPMENT INITIATIVES	7,010	7,010	7,010	7,010
128	0605070S	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION	133,104	133,104	133,104	133,104
129	0605075D8Z	DCMO POLICY AND INTEGRATION	25,269	25,269	25,269	25,269
131	0605210D8Z	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES	10,238	10,238	10,238	10,238
132	0303141K	GLOBAL COMBAT SUPPORT SYSTEM	19,670	19,670	19,670	19,670

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133	0305304D8Z	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEM)	3,556	3,556	3,556		3,556
		SUBTOTAL SYSTEM DEVELOPMENT AND DEMONSTRATION (SDD)	694,287	694,287	694,287		694,287
		RD&E MANAGEMENT SUPPORT					
135	0604774D8Z	DEFENSE READINESS REPORTING SYSTEM (DRRS)	6,383	6,383	6,383		6,383
136	0604875D8Z	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT	3,845	3,845	3,845		3,845
137	0604940D8Z	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIP)	144,109	144,109	144,109		144,109
138	0604942D8Z	ASSESSMENTS AND EVALUATIONS	2,419	2,419	2,419		2,419
139	0604943D8Z	THERMAL VICAR	8,214	8,214	8,214		8,214
140	0605100D8Z	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC)	19,380	19,380	19,380		19,380
141	0605104D8Z	TECHNICAL STUDIES, SUPPORT AND ANALYSIS	32,266	32,266	32,266		32,266
142	0605110D8Z	USDA&T)--CRITICAL TECHNOLOGY SUPPORT	840	840	840		840
143	0605117D8Z	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION	56,012	56,012	56,012		56,012
144	0605126J	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JIAMDO)	55,508	55,508	55,508		55,508
146	0605130D8Z	FOREIGN COMPARATIVE TESTING	18,174	18,174	18,174		18,174
147	0605142D8Z	SYSTEMS ENGINEERING	43,195	43,195	43,195		43,195
148	0605151D8Z	STUDIES AND ANALYSIS SUPPORT--OSD	6,457	6,457	6,457		6,457
149	0605161D8Z	NUCLEAR MATTERS-PHYSICAL SECURITY	4,901	4,901	4,901		4,901
150	0605170D8Z	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION	6,307	6,307	6,307		6,307
151	0605200D8Z	GENERAL SUPPORT TO USD (INTELLIGENCE)	6,601	6,601	6,601		6,601
152	0605384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	92,849	92,849	92,849		92,849
159	0605790D8Z	SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER (S.	1,857	1,857	1,857		1,857
160	0605798D8Z	DEFENSE TECHNOLOGY ANALYSIS	12,056	12,056	12,056		12,056
162	0605801KA	DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	55,454	55,454	55,454		55,454
163	0605803SE	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVALUATION	16,364	16,364	16,364		16,364
164	0605804D8Z	DEVELOPMENT TEST AND EVALUATION	15,110	15,110	20,110	5,000	20,110

166	0605898E	DT&E Increase	69,767	69,767	[5,000]	69,767	69,767	
167	0606100D8Z	MANAGEMENT HQ—R&D	4,454	4,454		4,454	4,454	
169	0203345D8Z	BUDGET AND PROGRAM ASSESSMENTS	2,637	2,637		2,637	2,637	
174	0303166J	DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI)	8,238	8,238		8,238	8,238	
176	0305103E	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES	1,801	1,801		1,801	1,801	
177	0305193D8Z	CYBER SECURITY INITIATIVE	16,041	16,041		16,041	16,041	
180	0804767D8Z	INTELLIGENCE SUPPORT TO INFORMATION OPERATIONS (IO)	77,475	77,475		77,475	77,475	
182	0901598C	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION (CE2T2)	34,855	34,855		34,855	34,855	
183	0901598D8W	MANAGEMENT HQ—MDA	104	104		104	104	
184A	9999999999	MANAGEMENT HEADQUARTERS WHS	64,255	64,255		64,255	64,255	
		CLASSIFIED PROGRAMS	887,928	887,928		887,928	887,928	
		SUBTOTAL RDT&E MANAGEMENT SUPPORT	887,928	887,928	5,000	892,928	892,928	5,000
OPERATIONAL SYSTEMS DEVELOPMENT								
185	0604130V	ENTERPRISE SECURITY SYSTEM (ESS)	8,866	8,866		8,866	8,866	
186	0605127I	REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNERSHIP FOR PEACE INFORMATION MGMT.	3,238	3,238		3,238	3,238	
187	0605147T	OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SYSTEM (OHASIS)	288	288		288	288	
188	0607384BP	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOP- MENT)	14,745	14,745		14,745	14,745	
190	0607828J	JOINT INTEGRATION AND INTEROPERABILITY	5,013	5,013		5,013	5,013	
191	0208043J	PLANNING AND DECISION AID SYSTEM (PDAS)	3,922	3,922		3,922	3,922	
192	0208045K	C4I INTEROPERABILITY	72,574	72,574		72,574	72,574	
194	0301144K	JOINT/ALLIED COALITION INFORMATION SHARING	6,214	6,214		6,214	6,214	
201	0302016K	NATIONAL MILITARY COMMAND SYSTEM-WIDE SUPPORT	499	499		499	499	
202	0302019K	DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATION	14,498	14,498		14,498	14,498	
203	0303126K	LONG-HAUL COMMUNICATIONS—DCS	26,164	26,164		26,164	26,164	
204	0303131K	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN)	12,931	12,931		12,931	12,931	
205	0303135G	PUBLIC KEY INFRASTRUCTURE (PKI)	6,296	6,296		6,296	6,296	
206	0303136G	KEY MANAGEMENT INFRASTRUCTURE (KMI)	30,948	30,948		30,948	30,948	
207	0303140D8Z	INFORMATION SYSTEMS SECURITY PROGRAM	11,780	11,780		11,780	11,780	

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Line	Program Element	Item	FY 2013 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
208	0303140G	INFORMATION SYSTEMS SECURITY PROGRAM	191,452	241,452	191,452		191,452
		Program increase		[50,000]			
211	0303150K	GLOBAL COMMAND AND CONTROL SYSTEM	36,575	46,575	36,575		36,575
		Program increase		[10,000]			
212	0303153K	DEFENSE SPECTRUM ORGANIZATION	24,278	24,278	24,278		24,278
213	0303170K	NET-CENTRIC ENTERPRISE SERVICES (NCES)	2,924	2,924	2,924		2,924
214	030326008Z	DEFENSE MILITARY DECEPTION PROGRAM OFFICE (DMDPO)	1,294	1,294	1,294		1,294
215	0303610K	TELEPORT PROGRAM	6,050	6,050	6,050		6,050
217	03042108B	SPECIAL APPLICATIONS FOR CONTINGENCIES	17,058	17,058	17,058		17,058
222	0305103K	CYBER SECURITY INITIATIVE	4,189	4,189	4,189		4,189
223	030512508Z	CRITICAL INFRASTRUCTURE PROTECTION (CIP)	10,462	10,462	10,462		10,462
227	030518608Z	POLICY R&D PROGRAMS	6,360	6,360	6,360		6,360
229	030519908Z	NET CENTRICITY	21,190	21,190	21,190		21,190
232	03052088B	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	7,114	7,714	7,714	600	7,714
		USSOCOM UFR		[600]		[600]	
235	0305208K	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	3,247	3,247	3,247		3,247
237	03052198B	MQ-1 PREDATOR A UAV	1,355	1,355	1,355		1,355
240	030538708Z	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM	2,303	2,303	2,303		2,303
241	030560008Z	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES	1,478	1,478	1,478		1,478
249	0708011S	INDUSTRIAL PREPAREDNESS	27,044	27,044	27,044		27,044
250	0708012S	LOGISTICS SUPPORT ACTIVITIES	4,711	4,711	4,711		4,711
251	0902298J	MANAGEMENT HQ—OJCS	4,100	4,100	4,100		4,100
253	11052198B	MQ-9 UAV	3,002	3,002	3,002		3,002
257	11604038B	SPECIAL OPERATIONS AVIATION SYSTEMS ADVANCED DEVELOPMENT	97,267	97,267	97,267		97,267
258	11604048B	SPECIAL OPERATIONS TACTICAL SYSTEMS DEVELOPMENT	821	821	821		821
259	11604058B	SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT	25,935	25,935	25,935		25,935
260	11604088B	SOF OPERATIONAL ENHANCEMENTS	51,700	51,700	51,700		51,700

261	1160421BB	SPECIAL OPERATIONS CV-22 DEVELOPMENT	1,822	1,822	1,822	1,822	1,822
262	1160427BB	MISSION TRAINING AND PREPARATION SYSTEMS (MTPS)	10,131	10,131	10,131	10,131	10,131
263	1160429BB	AC/MC-130J	19,647	19,647	19,647	19,647	19,647
264	1160474BB	SOF COMMUNICATIONS EQUIPMENT AND ELECTRONICS SYSTEMS	2,225	2,225	2,225	2,225	2,225
265	1160476BB	SOF TACTICAL RADIO SYSTEMS	3,036	3,036	3,036	3,036	3,036
266	1160477BB	SOF WEAPONS SYSTEMS	1,511	1,511	1,511	1,511	1,511
267	1160478BB	SOF SOLDIER PROTECTION AND SURVIVAL SYSTEMS	4,263	4,263	4,263	4,263	4,263
268	1160479BB	SOF VISUAL AUGMENTATION, LASERS AND SENSOR SYSTEMS	4,448	4,448	4,448	4,448	4,448
269	1160480BB	SOF TACTICAL VEHICLES	11,325	11,325	11,325	11,325	11,325
270	1160481BB	SOF MUNITIONS	1,515	1,515	1,515	1,515	1,515
271	1160482BB	SOF ROTARY WING AVIATION	24,430	24,430	24,430	24,430	24,430
272	1160483BB	SOF UNDERWATER SYSTEMS	26,405	61,405	34,405	43,000	69,405
		Program increase		[35,000]		[35,000]	
		Transfer from PDW Line 64 at USSOCOM request		[8,000]		[8,000]	
273	1160484BB	SOF SURFACE CRAFT	8,573	8,573	8,573	8,573	8,573
275	1160489BB	SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES	7,620	7,620	7,620	7,620	7,620
276	1160490BB	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE	16,386	16,386	16,386	16,386	16,386
276A	99999999999	CLASSIFIED PROGRAMS	3,754,516	3,774,416	3,754,516	3,754,516	3,754,516
		Program increases		[19,900]			
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	4,667,738	4,783,238	4,676,338	43,600	4,711,338
276B	99999999999	UNDISTRIBUTED GENERAL PROVISIONS					
		UNDISTRIBUTED GENERAL PROVISIONS					
		DARPA classified programs reduction		-100,000		-25,000	-25,000
		DARPA undistributed reduction		[-25,000]		[-25,000]	
		SUBTOTAL UNDISTRIBUTED GENERAL PROVISIONS		-100,000		-25,000	-25,000
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW	17,982,161	18,473,286	18,444,261	568,400	18,550,561
001	06051180TE	OPERATIONAL TEST & EVAL, DEFENSE					
		ROT&E MANAGEMENT SUPPORT					
		OPERATIONAL TEST AND EVALUATION	72,501	107,501	76,501	15,000	87,501

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
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Line	Program Element	Item	FY 2013 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
		NCR Transition		[25,000]	[4,000]		
		Program increase for DOT&E cyber—range operations		[10,000]		[15,000]	
		Program increase for DOT&E cyber—threat development and assessment.					
002	06051310TE	LIVE FIRE TEST AND EVALUATION	49,201	49,201	49,201		49,201
003	06058140TE	OPERATIONAL TEST ACTIVITIES AND ANALYSES	63,566	63,566	63,566		63,566
		SUBTOTAL RDT&E MANAGEMENT SUPPORT	185,268	220,268	189,268	15,000	200,268
		TOTAL OPERATIONAL TEST & EVAL, DEFENSE	185,268	220,268	189,268	15,000	200,268
		TOTAL RDT&E	69,407,767	70,352,256	69,324,218	530,133	69,937,900

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Program Element	Item	FY 2013 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES					
060	0603747A	SOLDIER SUPPORT AND SURVIVABILITY	19,860	19,860	19,860	-5,000	14,860
		Program adjustment				[-5,000]	
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	19,860	19,860	19,860	-5,000	14,860
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY	19,860	19,860	19,860	-5,000	14,860
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES					

056	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	4,600	4,600	4,600	4,600
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	4,600	4,600	4,600	4,600
131	0604771N	SYSTEM DEVELOPMENT & DEMONSTRATION				
		MEDICAL DEVELOPMENT	2,173	2,173	2,173	2,173
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION	2,173	2,173	2,173	2,173
160	0605866N	RD&E MANAGEMENT SUPPORT				
		NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT	5,200	5,200	5,200	5,200
		SUBTOTAL RD&E MANAGEMENT SUPPORT	5,200	5,200	5,200	5,200
195	0206624M	OPERATIONAL SYSTEMS DEVELOPMENT				
221	0305233N	MARINE CORPS COMBAT SERVICES SUPPORT	6,762	6,762	6,762	6,762
230A	9999999999	RQ-7 UAV	7,600	7,600	7,600	7,600
		CLASSIFIED PROGRAMS	33,784	33,784	33,784	33,784
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	48,146	48,146	48,146	48,146
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY	60,119	60,119	60,119	60,119
249A	9999999999	OPERATIONAL SYSTEMS DEVELOPMENT				
		CLASSIFIED PROGRAMS	53,150	53,150	53,150	53,150
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	53,150	53,150	53,150	53,150
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF	53,150	53,150	53,150	53,150
009	0602228D8Z	HISTORICALLY BLACK COLLEGES AND UNIVERSITIES (HBCU) SCIENCE	10,000	10,000	0	0
		Program increase	[10,000]			
027	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT	25,000	25,000	0	0
		Program increase	[25,000]			
094	0603913C	ISRAELI COOPERATIVE PROGRAMS	680,000	680,000	0	0

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Program Element	Item	FY 2013 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
102	0604775D8Z	Iron Dome		[680,000]			0
		DEFENSE RAPID INNOVATION PROGRAM		200,000			
		Program increase		[200,000]			
		OPERATIONAL SYSTEMS DEVELOPMENT					
239	0305231BB	MQ-8 UAV	5,000	5,000	5,000		5,000
276A	9999999999	CLASSIFIED PROGRAMS	107,387	107,387	107,387		107,387
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	112,387	112,387	112,387		112,387
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW	112,387	1,027,387	112,387		112,387
		TOTAL RDT&E	245,516	1,160,516	245,516	-5,000	240,516