

RDT&E PROGRAMS (R-1)



*Department of Defense Budget
Fiscal Year 2017*

Feb 2016

Office of the Under Secretary of Defense (Comptroller)

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Preface

The RDT&E Programs (R-1) is derived from and consistent with the Comptroller Information System database.

The R-1 is provided annually to the DoD oversight committees of the Congress coincident with the transmittal of the President's Budget. This document is also provided to Office of Assistance Secretary of Defense (Public Affairs) for use by non-DoD activities, and is available to the public on the Internet at <http://www.dod.mil/comptroller>.

Office of the Under Secretary of Defense (Comptroller)

Preparation of the R-1 cost the Department of Defense a total of approximately \$38,000 in FY 2016.

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<u>Appropriation</u>	<u>FY 2015</u> <u>(Base & OCO)</u>	<u>FY 2016</u> <u>Base Enacted</u>	<u>FY 2016</u> <u>OCO Enacted</u>	<u>FY 2016</u> <u>Total Enacted</u>	<u>FY 2017</u> <u>Base</u>	<u>FY 2017</u> <u>OCO</u>	<u>FY 2017</u> <u>Total</u>
Research, Development, Test & Eval, Army	6,744,134	7,562,170	1,500	7,563,670	7,515,399	100,522	7,615,921
Research, Development, Test & Eval, Navy	16,067,423	18,111,247	35,747	18,146,994	17,276,301	78,323	17,354,624
Research, Development, Test & Eval, AF	23,619,928	25,194,457	17,100	25,211,557	28,112,251	32,905	28,145,156
Research, Development, Test & Eval, DW	17,447,841	18,681,659	177,087	18,858,746	18,308,826	162,419	18,471,245
Operational Test & Eval, Defense	208,711	187,483		187,483	178,994		178,994
Total Research, Development, Test & Evaluation	64,088,037	69,737,016	231,434	69,968,450	71,391,771	374,169	71,765,940
 <u>Other RDT&E Budget Activities Not Included in the Research, Development, Test and Evaluation Title</u>							
Office of the Inspector General	1,400	2,100		2,100	3,153		3,153
Defense Health Program	1,698,615	2,121,452		2,121,452	822,907		822,907
Chem Agents & Munitions Destruction	595,913	579,342		579,342	388,609		388,609
National Defense Sealift Fund	21,620	25,197		25,197			
Total Not in Research, Development, Test & Evaluation	2,317,548	2,728,091		2,728,091	1,214,669		1,214,669

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<u>Summary Recap of Budget Activities</u>	<u>FY 2015 (Base & OCO)</u>	<u>FY 2016 Base Enacted</u>	<u>FY 2016 OCO Enacted</u>	<u>FY 2016 Total Enacted</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 Total</u>
Basic Research	2,213,498	2,309,196		2,309,196	2,101,832		2,101,832
Applied Research	4,577,986	4,996,199		4,996,199	4,815,400		4,815,400
Advanced Technology Development	5,232,528	5,691,164	40,000	5,731,164	5,583,524		5,583,524
Advanced Component Development & Prototypes	12,252,328	14,288,756	1,500	14,290,256	14,980,854	51,272	15,032,126
System Development & Demonstration	10,853,343	12,789,090		12,789,090	12,994,771	84,468	13,079,239
RDT&E Management Support	5,419,247	4,417,389		4,417,389	4,312,040		4,312,040
Operational Systems Development	23,539,107	25,245,222	189,934	25,435,156	26,603,350	238,429	26,841,779
Total Research, Development, Test & Evaluation	64,088,037	69,737,016	231,434	69,968,450	71,391,771	374,169	71,765,940
 <u>Summary Recap of FYDP Programs</u>							
Strategic Forces	599,359	770,242		770,242	833,671		833,671
General Purpose Forces	3,586,870	3,787,731	300	3,788,031	4,339,059		4,339,059
Intelligence and Communications	3,006,937	2,974,173		2,974,173	3,357,316	11,819	3,369,135
Mobility Forces	223,007	303,822		303,822	505,020		505,020
Research and Development	40,174,781	43,949,521	41,500	43,991,021	43,882,736	135,740	44,018,476
Central Supply and Maintenance	245,298	224,770		224,770	224,718		224,718
Training Medical and Other	40,804	45,951		45,951	37,498		37,498
Administration and Associated Activities	148,936	150,500		150,500	63,254		63,254
Support of Other Nations	3,790	2,315		2,315	4,784		4,784
Special Operations Forces	473,921	483,783		483,783	491,759		491,759
Classified Programs	15,584,334	17,044,208	189,634	17,233,842	17,651,956	226,610	17,878,566
Total Research, Development, Test & Evaluation	64,088,037	69,737,016	231,434	69,968,450	71,391,771	374,169	71,765,940

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	<u>FY 2015</u> <u>(Base & OCO)</u>	<u>FY 2016</u> <u>Base Enacted</u>	<u>FY 2016</u> <u>OCO Enacted</u>	<u>FY 2016</u> <u>Total Enacted</u>	<u>FY 2017</u> <u>Base</u>	<u>FY 2017</u> <u>OCO</u>	<u>FY 2017</u> <u>Total</u>
<u>Summary Recap of Non-RDT&E Title FYDP Programs</u>							
Mobility Forces	21,620	25,197		25,197			
Research and Development	1,698,615	2,121,452		2,121,452	822,907		822,907
Central Supply and Maintenance	595,913	579,342		579,342	388,609		388,609
Administration and Associated Activities	1,400	2,100		2,100	3,153		3,153
Total Research, Development, Test & Evaluation	2,317,548	2,728,091		2,728,091	1,214,669		1,214,669

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<u>Summary Recap of Budget Activities</u>	<u>FY 2015 (Base & OCO)</u>	<u>FY 2016 Base Enacted</u>	<u>FY 2016 OCO Enacted</u>	<u>FY 2016 Total Enacted</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 Total</u>
Basic Research	447,868	469,079		469,079	428,943		428,943
Applied Research	964,085	1,092,885		1,092,885	907,574		907,574
Advanced Technology Development	1,089,087	1,127,304		1,127,304	930,065		930,065
Advanced Component Development & Prototypes	298,467	506,123	1,500	507,623	550,635	9,375	560,010
System Development & Demonstration	1,604,756	2,085,147		2,085,147	2,265,094	84,043	2,349,137
RDT&E Management Support	1,166,015	1,070,581		1,070,581	1,136,134		1,136,134
Operational Systems Development	1,173,856	1,211,051		1,211,051	1,296,954	7,104	1,304,058
Total Research, Development, Test & Evaluation	6,744,134	7,562,170	1,500	7,563,670	7,515,399	100,522	7,615,921
 <u>Summary Recap of FYDP Programs</u>							
General Purpose Forces	705,451	779,716		779,716	618,038		618,038
Intelligence and Communications	162,187	171,857		171,857	238,711	7,104	245,815
Research and Development	5,788,542	6,545,639	1,500	6,547,139	6,591,738	93,418	6,685,156
Central Supply and Maintenance	73,419	60,422		60,422	62,287		62,287
Administration and Associated Activities	233						
Classified Programs	14,302	4,536		4,536	4,625		4,625
Total Research, Development, Test & Evaluation	6,744,134	7,562,170	1,500	7,563,670	7,515,399	100,522	7,615,921

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Appropriation: 2040A Research, Development, Test & Eval, Army

Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	S e c
1	0601101A	In-House Laboratory Independent Research	01	13,125	13,018		13,018	12,381		12,381	U
2	0601102A	Defense Research Sciences	01	249,855	279,118		279,118	253,116		253,116	U
3	0601103A	University Research Initiatives	01	79,122	72,603		72,603	69,166		69,166	U
4	0601104A	University and Industry Research Centers	01	105,766	104,340		104,340	94,280		94,280	U
		Basic Research		447,868	469,079		469,079	428,943		428,943	
5	0602105A	Materials Technology	02	45,563	68,314		68,314	31,533		31,533	U
6	0602120A	Sensors and Electronic Survivability	02	45,792	58,374		58,374	36,109		36,109	U
7	0602122A	TRACTOR HIP	02	16,358	6,879		6,879	6,995		6,995	U
8	0602211A	Aviation Technology	02	62,046	56,884		56,884	65,914		65,914	U
9	0602270A	Electronic Warfare Technology	02	19,333	19,243		19,243	25,466		25,466	U
10	0602303A	Missile Technology	02	61,144	53,553		53,553	44,313		44,313	U
11	0602307A	Advanced Weapons Technology	02	37,464	38,028		38,028	28,803		28,803	U
12	0602308A	Advanced Concepts and Simulation	02	26,505	27,862		27,862	27,688		27,688	U
13	0602601A	Combat Vehicle and Automotive Technology	02	71,811	98,439		98,439	67,959		67,959	U
14	0602618A	Ballistics Technology	02	83,610	117,801		117,801	85,436		85,436	U
15	0602622A	Chemical, Smoke and Equipment Defeating Technology	02	3,865	3,866		3,866	3,923		3,923	U
16	0602623A	Joint Service Small Arms Program	02	6,633	5,487		5,487	5,545		5,545	U
17	0602624A	Weapons and Munitions Technology	02	62,131	83,340		83,340	53,581		53,581	U
18	0602705A	Electronics and Electronic Devices	02	72,442	64,301		64,301	56,322		56,322	U
19	0602709A	Night Vision Technology	02	44,694	38,807		38,807	36,079		36,079	U

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Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Se c
20	0602712A	Countermine Systems	02	28,597	36,568		36,568	26,497		26,497	U
21	0602716A	Human Factors Engineering Technology	02	23,434	23,681		23,681	23,671		23,671	U
22	0602720A	Environmental Quality Technology	02	15,288	20,850		20,850	22,151		22,151	U
23	0602782A	Command, Control, Communications Technology	02	33,117	36,160		36,160	37,803		37,803	U
24	0602783A	Computer and Software Technology	02	10,514	12,656		12,656	13,811		13,811	U
25	0602784A	Military Engineering Technology	02	66,582	80,909		80,909	67,416		67,416	U
26	0602785A	Manpower/Personnel/Training Technology	02	21,280	24,735		24,735	26,045		26,045	U
27	0602786A	Warfighter Technology	02	31,597	39,295		39,295	37,403		37,403	U
28	0602787A	Medical Technology	02	74,285	76,853		76,853	77,111		77,111	U
		Applied Research		964,085	1,092,885		1,092,885	907,574		907,574	
29	0603001A	Warfighter Advanced Technology	03	75,833	55,973		55,973	38,831		38,831	U
30	0603002A	Medical Advanced Technology	03	104,997	108,584		108,584	68,365		68,365	U
31	0603003A	Aviation Advanced Technology	03	99,762	103,136		103,136	94,280		94,280	U
32	0603004A	Weapons and Munitions Advanced Technology	03	72,176	82,663		82,663	68,714		68,714	U
33	0603005A	Combat Vehicle and Automotive Advanced Technology	03	143,606	135,571		135,571	122,132		122,132	U
34	0603006A	Space Application Advanced Technology	03	6,664	5,554		5,554	3,904		3,904	U
35	0603007A	Manpower, Personnel and Training Advanced Technology	03	11,677	12,636		12,636	14,417		14,417	U
36	0603008A	Electronic Warfare Advanced Technology	03	43,416							U
37	0603009A	TRACTOR HIKE	03	7,492	7,502		7,502	8,074		8,074	U

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Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Sec
38	0603015A	Next Generation Training & Simulation Systems	03	16,103	17,425		17,425	18,969		18,969	U
39	0603020A	TRACTOR ROSE	03	14,483	11,912		11,912	11,910		11,910	U
40	0603125A	Combating Terrorism - Technology Development	03	23,334	33,520		33,520	27,686		27,686	U
41	0603130A	TRACTOR NAIL	03	3,440	2,381		2,381	2,340		2,340	U
42	0603131A	TRACTOR EGGS	03	2,406	2,431		2,431	2,470		2,470	U
43	0603270A	Electronic Warfare Technology	03	27,238	32,874		32,874	27,893		27,893	U
44	0603313A	Missile and Rocket Advanced Technology	03	78,302	104,449		104,449	52,190		52,190	U
45	0603322A	TRACTOR CAGE	03	11,105	10,999		10,999	11,107		11,107	U
46	0603461A	High Performance Computing Modernization Program	03	214,614	222,159		222,159	177,190		177,190	U
47	0603606A	Landmine Warfare and Barrier Advanced Technology	03	12,795	13,966		13,966	17,451		17,451	U
48	0603607A	Joint Service Small Arms Program	03	7,055	5,105		5,105	5,839		5,839	U
49	0603710A	Night Vision Advanced Technology	03	46,056	40,929		40,929	44,468		44,468	U
50	0603728A	Environmental Quality Technology Demonstrations	03	11,311	14,727		14,727	11,137		11,137	U
51	0603734A	Military Engineering Advanced Technology	03	17,124	26,845		26,845	20,684		20,684	U
52	0603772A	Advanced Tactical Computer Science and Sensor Technology	03	38,098	38,147		38,147	44,239		44,239	U
53	0603794A	C3 Advanced Technology	03		37,816		37,816	35,775		35,775	U
		Advanced Technology Development		1,089,087	1,127,304		1,127,304	930,065		930,065	
54	0603305A	Army Missile Defense Systems Integration	04	25,672	29,347		29,347	9,433		9,433	U

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55	0603308A	Army Space Systems Integration	04	13,804	25,061		25,061	23,056	9,375	32,431	U
56	0603619A	Landmine Warfare and Barrier - Adv Dev	04		45,757		45,757	72,117		72,117	U
57	0603627A	Smoke, Obscurant and Target Defeating Sys-Adv Dev	04		13,426		13,426	28,244		28,244	U
58	0603639A	Tank and Medium Caliber Ammunition	04	25,317	46,749		46,749	40,096		40,096	U
59	0603747A	Soldier Support and Survivability	04	8,633	2,801	1,500	4,301	10,506		10,506	U
60	0603766A	Tactical Electronic Surveillance System - Adv Dev	04	9,255	13,472		13,472	15,730		15,730	U
61	0603774A	Night Vision Systems Advanced Development	04	3,521	7,292		7,292	10,321		10,321	U
62	0603779A	Environmental Quality Technology - Dem/Val	04	7,529	8,813		8,813	7,785		7,785	U
63	0603790A	NATO Research and Development	04	2,839	6,075		6,075	2,300		2,300	U
64	0603801A	Aviation - Adv Dev	04					10,014		10,014	U
65	0603804A	Logistics and Engineer Equipment - Adv Dev	04	13,188	21,233		21,233	20,834		20,834	U
66	0603807A	Medical Systems - Adv Dev	04	22,825	31,962		31,962	33,503		33,503	U
67	0603827A	Soldier Systems - Advanced Development	04	9,194	22,994		22,994	31,120		31,120	U
68	0604100A	Analysis Of Alternatives	04	9,685	9,805		9,805	6,608		6,608	U
69	0604114A	Lower Tier Air Missile Defense (LTAMD) Sensor	04					35,132		35,132	U
70	0604115A	Technology Maturation Initiatives	04	43,083	35,917		35,917	70,047		70,047	U
71	0604120A	Assured Positioning, Navigation and Timing (PNT)	04	11,447	30,058		30,058	83,279		83,279	U

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72	0604319A	Indirect Fire Protection Capability Increment 2-Intercept (IFPC2)	04	92,475	155,361		155,361				U
73	0305251A	Cyberspace Operations Forces and Force Support	04					40,510		40,510	U
Advanced Component Development & Prototypes				298,467	506,123	1,500	507,623	550,635	9,375	560,010	
74	0604201A	Aircraft Avionics	05	39,583	18,639		18,639	83,248		83,248	U
75	0604270A	Electronic Warfare Development	05	5,792	18,843		18,843	34,642		34,642	U
76	0604280A	Joint Tactical Radio	05	9,454	4,546		4,546				U
77	0604290A	Mid-tier Networking Vehicular Radio (MNVR)	05	9,355	8,763		8,763	12,172		12,172	U
78	0604321A	All Source Analysis System	05	5,532	4,309		4,309	3,958		3,958	U
79	0604328A	TRACTOR CAGE	05	19,929	15,138		15,138	12,525		12,525	U
80	0604601A	Infantry Support Weapons	05	36,826	89,661		89,661	66,943		66,943	U
81	0604604A	Medium Tactical Vehicles	05	202							U
82	0604611A	JAVELIN	05	4,006	3,945		3,945	20,011		20,011	U
83	0604622A	Family of Heavy Tactical Vehicles	05	12,768				11,429		11,429	U
84	0604633A	Air Traffic Control	05	17,066	10,076		10,076	3,421		3,421	U
85	0604641A	Tactical Unmanned Ground Vehicle (TUGV)	05	2,663	15,374		15,374	39,282		39,282	U
86	0604642A	Light Tactical Wheeled Vehicles	05					494		494	U
87	0604645A	Armored Systems Modernization (ASM) - Eng Dev	05					9,678		9,678	U
88	0604710A	Night Vision Systems - Eng Dev	05	58,997	67,582		67,582	84,519		84,519	U
89	0604713A	Combat Feeding, Clothing, and Equipment	05	2,983	1,763		1,763	2,054		2,054	U

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Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Sec
90	0604715A	Non-System Training Devices - Eng Dev	05	8,775	27,155		27,155	30,774	33	30,807	U
91	0604741A	Air Defense Command, Control and Intelligence - Eng Dev	05	15,294	34,569		34,569	53,332		53,332	U
92	0604742A	Constructive Simulation Systems Development	05	4,394	23,364		23,364	17,887		17,887	U
93	0604746A	Automatic Test Equipment Development	05	10,685	8,960		8,960	8,813		8,813	U
94	0604760A	Distributive Interactive Simulations (DIS) - Eng Dev	05	9,699	9,138		9,138	10,487		10,487	U
95	0604780A	Combined Arms Tactical Trainer (CATT) Core	05	33,422	21,622		21,622	15,068		15,068	U
96	0604798A	Brigade Analysis, Integration and Evaluation	05	82,957	99,242		99,242	89,716		89,716	U
97	0604802A	Weapons and Munitions - Eng Dev	05	17,312	21,379		21,379	80,365		80,365	U
98	0604804A	Logistics and Engineer Equipment - Eng Dev	05	23,652	46,039		46,039	75,098		75,098	U
99	0604805A	Command, Control, Communications Systems - Eng Dev	05	5,116	2,683		2,683	4,245		4,245	U
100	0604807A	Medical Materiel/Medical Biological Defense Equipment - Eng Dev	05	29,441	45,412		45,412	41,124		41,124	U
101	0604808A	Landmine Warfare/Barrier - Eng Dev	05	53,579	55,215		55,215	39,630		39,630	U
102	0604818A	Army Tactical Command & Control Hardware & Software	05	29,690	131,639		131,639	205,590		205,590	U
103	0604820A	Radar Development	05	5,022	12,309		12,309	15,983		15,983	U
104	0604822A	General Fund Enterprise Business System (GFEBS)	05	5,500	21,155		21,155	6,805		6,805	U
105	0604823A	Firefinder	05	22,587	2,967		2,967	9,235		9,235	U
106	0604827A	Soldier Systems - Warrior Dem/Val	05	5,942	18,776		18,776	12,393		12,393	U

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107	0604854A	Artillery Systems - EMD	05	1,838	1,953		1,953	1,756		1,756	U
108	0605013A	Information Technology Development	05	64,982	60,358		60,358	74,236		74,236	U
109	0605018A	Integrated Personnel and Pay System-Army (IPPS-A)	05	62,831	121,011		121,011	155,584		155,584	U
110	0605028A	Armored Multi-Purpose Vehicle (AMPV)	05	88,797	226,210		226,210	184,221		184,221	U
111	0605029A	Integrated Ground Security Surveillance Response Capability (IGSSR-C)	05					4,980		4,980	U
112	0605030A	Joint Tactical Network Center (JTNC)	05	8,615	13,357		13,357	15,041		15,041	U
113	0605031A	Joint Tactical Network (JTN)	05	17,305	18,055		18,055	16,014		16,014	U
114	0605032A	TRACTOR TIRE	05		5,677		5,677	27,254		27,254	U
115	0605033A	Ground-Based Operational Surveillance System - Expeditionary (GBOSS-E)	05					5,032		5,032	U
116	0605034A	Tactical Security System (TSS)	05					2,904		2,904	U
117	0605035A	Common Infrared Countermeasures (CIRCM)	05	169,196	101,570		101,570	96,977	10,900	107,877	U
118	0605036A	Combating Weapons of Mass Destruction (CWMD)	05					2,089		2,089	U
119	0605041A	Defensive CYBER Tool Development	05					33,836		33,836	U
120	0605042A	Tactical Network Radio Systems (Low-Tier)	05					18,824		18,824	U
121	0605047A	Contract Writing System	05					20,663		20,663	U
122	0605051A	Aircraft Survivability Development	05		78,112		78,112	41,133	73,110	114,243	U
123	0605052A	Indirect Fire Protection Capability Inc 2 - Block 1	05					83,995		83,995	U
124	0605350A	WIN-T Increment 3 - Full Networking	05	108,851	33,515		33,515				U

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125	0605380A	AMF Joint Tactical Radio System (JTRS)	05	6,616	11,455		11,455	5,028		5,028	U
126	0605450A	Joint Air-to-Ground Missile (JAGM)	05	80,585	83,054		83,054	42,972		42,972	U
127	0605456A	PAC-3/MSE Missile	05	33,709	2,272		2,272				U
128	0605457A	Army Integrated Air and Missile Defense (AIAMD)	05	147,250	222,075		222,075	252,811		252,811	U
129	0605625A	Manned Ground Vehicle	05	47,265	39,247		39,247				U
130	0605626A	Aerial Common Sensor	05	20,328	2		2				U
131	0605766A	National Capabilities Integration (MIP)	05	18,254	10,599		10,599	4,955		4,955	U
132	0605812A	Joint Light Tactical Vehicle (JLTV) Engineering and Manufacturing Development Ph	05	43,302	32,486		32,486	11,530		11,530	U
133	0605830A	Aviation Ground Support Equipment	05	9,655	13,880		13,880	2,142		2,142	U
134	0210609A	Paladin Integrated Management (PIM)	05	77,210	152,288		152,288	41,498		41,498	U
135	0303032A	TROJAN - RH12	05	983	5,022		5,022	4,273		4,273	U
136	0304270A	Electronic Warfare Development	05	8,961	12,686		12,686	14,425		14,425	U
		System Development & Demonstration		1,604,756	2,085,147		2,085,147	2,265,094	84,043	2,349,137	
137	0604256A	Threat Simulator Development	06	21,691	27,535		27,535	25,675		25,675	U
138	0604258A	Target Systems Development	06	9,778	16,684		16,684	19,122		19,122	U
139	0604759A	Major T&E Investment	06	54,281	66,580		66,580	84,777		84,777	U
140	0605103A	Rand Arroyo Center	06	19,817	19,382		19,382	20,658		20,658	U
141	0605301A	Army Kwajalein Atoll	06	169,699	203,905		203,905	236,648		236,648	U
142	0605326A	Concepts Experimentation Program	06	18,757	19,430		19,430	25,596		25,596	U
143	0605502A	Small Business Innovative Research	06	172,658							U

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144	0605601A	Army Test Ranges and Facilities	06	271,377	279,896		279,896	293,748		293,748	U
145	0605602A	Army Technical Test Instrumentation and Targets	06	43,961	51,550		51,550	52,404		52,404	U
146	0605604A	Survivability/Lethality Analysis	06	33,210	33,246		33,246	38,571		38,571	U
147	0605606A	Aircraft Certification	06	4,667	4,760		4,760	4,665		4,665	U
148	0605702A	Meteorological Support to RDT&E Activities	06	6,289	8,303		8,303	6,925		6,925	U
149	0605706A	Materiel Systems Analysis	06	20,578	20,403		20,403	21,677		21,677	U
150	0605709A	Exploitation of Foreign Items	06	8,418	10,396		10,396	12,415		12,415	U
151	0605712A	Support of Operational Testing	06	48,953	49,337		49,337	49,684		49,684	U
152	0605716A	Army Evaluation Center	06	54,468	52,694		52,694	55,905		55,905	U
153	0605718A	Army Modeling & Sim X-Cmd Collaboration & Integ	06	1,081	938		938	7,959		7,959	U
154	0605801A	Programwide Activities	06	63,687	60,319		60,319	51,822		51,822	U
155	0605803A	Technical Information Activities	06	28,781	28,478		28,478	33,323		33,323	U
156	0605805A	Munitions Standardization, Effectiveness and Safety	06	62,168	64,604		64,604	40,545		40,545	U
157	0605857A	Environmental Quality Technology Mgmt Support	06	2,512	3,186		3,186	2,130		2,130	U
158	0605898A	Management HQ - R&D	06	48,951	48,955		48,955	49,885		49,885	U
159	0303260A	Defense Military Deception Initiative	06					2,000		2,000	U
160	0909999A	Financing for Cancelled Account Adjustments	06	233							U
		RDT&E Management Support		1,166,015	1,070,581		1,070,581	1,136,134		1,136,134	
161	0603778A	MLRS Product Improvement Program	07	17,852	18,397		18,397	9,663		9,663	U

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162	0603813A	TRACTOR PULL	07		9,461		9,461	3,960		3,960	U
163	0605024A	Anti-Tamper Technology Support	07					3,638		3,638	U
164	0607131A	Weapons and Munitions Product Improvement Programs	07		4,945		4,945	14,517		14,517	U
165	0607133A	TRACTOR SMOKE	07		7,569		7,569	4,479		4,479	U
166	0607134A	Long Range Precision Fires (LRPF)	07					39,275		39,275	U
167	0607135A	Apache Product Improvement Program	07	86,099	65,562		65,562	66,441		66,441	U
168	0607136A	Blackhawk Product Improvement Program	07	48,406	66,653		66,653	46,765		46,765	U
169	0607137A	Chinook Product Improvement Program	07	35,424	32,407		32,407	91,848		91,848	U
170	0607138A	Fixed Wing Product Improvement Program	07	819	1,151		1,151	796		796	U
171	0607139A	Improved Turbine Engine Program	07	49,328	51,164		51,164	126,105		126,105	U
172	0607140A	Emerging Technologies from NIE	07	4,916	2,481		2,481	2,369		2,369	U
173	0607141A	Logistics Automation	07	3,513	1,673		1,673	4,563		4,563	U
174	0607665A	Family of Biometrics	07	1,332	13,237		13,237	12,098		12,098	U
175	0607865A	Patriot Product Improvement	07	57,962	89,816		89,816	49,482		49,482	U
176	0202429A	Aerostat Joint Project - COCOM Exercise	07	43,248	10,565		10,565	45,482		45,482	U
177	0203726A	Adv Field Artillery Tactical Data System	07	1,224							U
178	0203728A	Joint Automated Deep Operation Coordination System (JADOCS)	07	33,996	35,719		35,719	30,455		30,455	U
179	0203735A	Combat Vehicle Improvement Programs	07	297,423	354,667		354,667	316,857		316,857	U
180	0203740A	Maneuver Control System	07	43,453	15,408		15,408	4,031		4,031	U

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181	0203744A	Aircraft Modifications/Product Improvement Programs	07	40				35,793		35,793	U
182	0203752A	Aircraft Engine Component Improvement Program	07	372	364		364	259		259	U
183	0203758A	Digitization	07	5,765	4,361		4,361	6,483		6,483	U
184	0203801A	Missile/Air Defense Product Improvement Program	07	4,917	3,154		3,154	5,122		5,122	U
185	0203802A	Other Missile Product Improvement Programs	07	40,468	35,951		35,951	7,491		7,491	U
186	0203808A	TRACTOR CARD	07	19,347	34,686		34,686	20,333		20,333	U
187	0205402A	Integrated Base Defense - Operational System Dev	07	4,196	10,750		10,750				U
188	0205410A	Materials Handling Equipment	07	802	402		402	124		124	U
189	0205412A	Environmental Quality Technology - Operational System Dev	07	270							U
190	0205456A	Lower Tier Air and Missile Defense (AMD) System	07	78,720	64,159		64,159	69,417		69,417	U
191	0205778A	Guided Multiple-Launch Rocket System (GMLRS)	07	43,791	36,727		36,727	22,044		22,044	U
192	0208053A	Joint Tactical Ground System	07	10,209	20,515		20,515	12,649		12,649	U
194	0303028A	Security and Intelligence Activities	07	12,518	6,998		6,998	11,619		11,619	U
195	0303140A	Information Systems Security Program	07	13,627	31,154		31,154	38,280		38,280	U
196	0303141A	Global Combat Support System	07	5,225	21,574		21,574	27,223		27,223	U
197	0303142A	SATCOM Ground Environment (SPACE)	07	9,978	9,355		9,355	18,815		18,815	U
198	0303150A	WWMCCS/Global Command and Control System	07	2,493	7,034		7,034	4,718		4,718	U
201	0305179A	Integrated Broadcast Service (IBS)	07		750		750				U

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202	0305204A	Tactical Unmanned Aerial Vehicles	07	20,290	13,225		13,225	8,218		8,218	U
203	0305206A	Airborne Reconnaissance Systems	07		22,870		22,870	11,799		11,799	U
204	0305208A	Distributed Common Ground/Surface Systems	07	20,155	25,592		25,592	32,284		32,284	U
205	0305219A	MQ-1C Gray Eagle UAS	07	46,472				13,470		13,470	U
206	0305232A	RQ-11 UAV	07					1,613		1,613	U
207	0305233A	RQ-7 UAV	07	16,389	11,797		11,797	4,597		4,597	U
208	0307665A	Biometrics Enabled Intelligence	07	1,973					7,104	7,104	U
209	0310349A	Win-T Increment 2 - Initial Networking	07	3,123	3,800		3,800	4,867		4,867	U
210	0708045A	End Item Industrial Preparedness Activities	07	73,419	60,422		60,422	62,287		62,287	U
9999	9999999999	Classified Programs		14,302	4,536		4,536	4,625		4,625	U
		Operational Systems Development		1,173,856	1,211,051		1,211,051	1,296,954	7,104	1,304,058	
Total Research, Development, Test & Eval, Army				6,744,134	7,562,170	1,500	7,563,670	7,515,399	100,522	7,615,921	

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<u>Summary Recap of Budget Activities</u>	<u>FY 2015</u> <u>(Base & OCO)</u>	<u>FY 2016</u> <u>Base Enacted</u>	<u>FY 2016</u> <u>OCO Enacted</u>	<u>FY 2016</u> <u>Total Enacted</u>	<u>FY 2017</u> <u>Base</u>	<u>FY 2017</u> <u>OCO</u>	<u>FY 2017</u> <u>Total</u>
Basic Research	634,410	671,875		671,875	542,970		542,970
Applied Research	855,861	965,872		965,872	861,151		861,151
Advanced Technology Development	625,631	696,226		696,226	736,988		736,988
Advanced Component Development & Prototypes	4,357,168	5,022,272		5,022,272	4,662,867	41,897	4,704,764
System Development & Demonstration	5,119,875	6,274,796		6,274,796	6,025,655		6,025,655
Management Support	1,278,299	918,223		918,223	853,736		853,736
Operational Systems Development	3,196,179	3,561,983	35,747	3,597,730	3,592,934	36,426	3,629,360
Total Research, Development, Test & Evaluation	16,067,423	18,111,247	35,747	18,146,994	17,276,301	78,323	17,354,624
 <u>Summary Recap of FYDP Programs</u>							
Strategic Forces	140,959	164,143		164,143	196,948		196,948
General Purpose Forces	1,292,908	1,326,178		1,326,178	1,447,043		1,447,043
Intelligence and Communications	754,576	719,253		719,253	713,042		713,042
Research and Development	12,620,194	14,380,627		14,380,627	13,638,282	41,897	13,680,179
Central Supply and Maintenance	60,896	28,506		28,506	52,526		52,526
Administration and Associated Activities	137	355		355			
Classified Programs	1,197,753	1,492,185	35,747	1,527,932	1,228,460	36,426	1,264,886
Total Research, Development, Test & Evaluation	16,067,423	18,111,247	35,747	18,146,994	17,276,301	78,323	17,354,624

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1	0601103N	University Research Initiatives	01	129,331	146,196		146,196	101,714		101,714	U
2	0601152N	In-House Laboratory Independent Research	01	18,997	19,126		19,126	18,508		18,508	U
3	0601153N	Defense Research Sciences	01	486,082	506,553		506,553	422,748		422,748	U
		Basic Research		634,410	671,875		671,875	542,970		542,970	
4	0602114N	Power Projection Applied Research	02	94,944	87,223		87,223	41,371		41,371	U
5	0602123N	Force Protection Applied Research	02	159,556	178,616		178,616	158,745		158,745	U
6	0602131M	Marine Corps Landing Force Technology	02	44,629	51,643		51,643	51,590		51,590	U
7	0602235N	Common Picture Applied Research	02	44,874	42,538		42,538	41,185		41,185	U
8	0602236N	Warfighter Sustainment Applied Research	02	46,202	45,047		45,047	45,467		45,467	U
9	0602271N	Electromagnetic Systems Applied Research	02	102,750	114,644		114,644	118,941		118,941	U
10	0602435N	Ocean Warfighting Environment Applied Research	02	62,643	72,252		72,252	42,618		42,618	U
11	0602651M	Joint Non-Lethal Weapons Applied Research	02	5,728	6,114		6,114	6,327		6,327	U
12	0602747N	Undersea Warfare Applied Research	02	88,204	150,839		150,839	126,313		126,313	U
13	0602750N	Future Naval Capabilities Applied Research	02	171,992	179,538		179,538	165,103		165,103	U
14	0602782N	Mine and Expeditionary Warfare Applied Research	02	34,339	37,418		37,418	33,916		33,916	U
15	0602898N	Science and Technology Management - ONR Headquarters	02					29,575		29,575	U
		Applied Research		855,861	965,872		965,872	861,151		861,151	
16	0603114N	Power Projection Advanced Technology	03	36,651	36,971		36,971	96,406		96,406	U

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17	0603123N	Force Protection Advanced Technology	03	25,148	38,044		38,044	48,438		48,438	U
18	0603271N	Electromagnetic Systems Advanced Technology	03	62,860	34,856		34,856	26,421		26,421	U
19	0603640M	USMC Advanced Technology Demonstration (ATD)	03	125,696	131,490		131,490	140,416		140,416	U
20	0603651M	Joint Non-Lethal Weapons Technology Development	03	11,163	12,745		12,745	13,117		13,117	U
21	0603673N	Future Naval Capabilities Advanced Technology Development	03	257,806	265,562		265,562	249,092		249,092	U
22	0603680N	Manufacturing Technology Program	03		57,074		57,074	56,712		56,712	U
23	0603729N	Warfighter Protection Advanced Technology	03	39,374	36,299		36,299	4,789		4,789	U
24	0603747N	Undersea Warfare Advanced Technology	03	9,639	13,748		13,748	25,880		25,880	U
25	0603758N	Navy Warfighting Experiments and Demonstrations	03	55,363	65,946		65,946	60,550		60,550	U
26	0603782N	Mine and Expeditionary Warfare Advanced Technology	03	1,931	3,491		3,491	15,167		15,167	U
Advanced Technology Development				625,631	696,226		696,226	736,988		736,988	
27	0603207N	Air/Ocean Tactical Applications	04	39,669	37,832		37,832	48,536		48,536	U
28	0603216N	Aviation Survivability	04	4,280	10,904		10,904	5,239		5,239	U
29	0603237N	Deployable Joint Command and Control	04	2,991	3,086		3,086				U
30	0603251N	Aircraft Systems	04	14,270	26,643		26,643	1,519		1,519	U
31	0603254N	ASW Systems Development	04	7,602	5,551		5,551	7,041		7,041	U
32	0603261N	Tactical Airborne Reconnaissance	04	5,870	3,080		3,080	3,274		3,274	U
33	0603382N	Advanced Combat Systems Technology	04	1,582	1,631		1,631	57,034		57,034	U

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34	0603502N	Surface and Shallow Water Mine Countermeasures	04	83,793	90,472		90,472	165,775		165,775	U
35	0603506N	Surface Ship Torpedo Defense	04	56,802	71,300		71,300	87,066		87,066	U
36	0603512N	Carrier Systems Development	04	5,954	8,348		8,348	7,605		7,605	U
37	0603525N	PILOT FISH	04	140,841	122,939		122,939	132,068		132,068	U
38	0603527N	RETRACT LARCH	04	29,725	28,803		28,803	14,546	3,907	18,453	U
39	0603536N	RETRACT JUNIPER	04	79,059	112,604		112,604	115,435		115,435	U
40	0603542N	Radiological Control	04	667	710		710	702		702	U
41	0603553N	Surface ASW	04	1,020	1,096		1,096	1,081		1,081	U
42	0603561N	Advanced Submarine System Development	04	65,913	85,834		85,834	100,565		100,565	U
43	0603562N	Submarine Tactical Warfare Systems	04	7,986	10,371		10,371	8,782		8,782	U
44	0603563N	Ship Concept Advanced Design	04	17,831	10,459		10,459	14,590		14,590	U
45	0603564N	Ship Preliminary Design & Feasibility Studies	04	8,007	3,332		3,332	15,805		15,805	U
46	0603570N	Advanced Nuclear Power Systems	04	499,961	482,040		482,040	453,313		453,313	U
47	0603573N	Advanced Surface Machinery Systems	04	20,357	24,143		24,143	36,655		36,655	U
48	0603576N	CHALK EAGLE	04	529,885	511,651		511,651	367,016		367,016	U
49	0603581N	Littoral Combat Ship (LCS)	04	80,199	91,416		91,416	51,630		51,630	U
50	0603582N	Combat System Integration	04	20,741	32,561		32,561	23,530		23,530	U
51	0603595N	Ohio Replacement	04	833,274	971,393		971,393	700,811		700,811	U
52	0603596N	LCS Mission Modules	04	172,602	203,143		203,143	160,058		160,058	U
53	0603597N	Automated Test and Analysis	04	7,816	23,000		23,000				U
54	0603599N	Frigate Development	04		30,000		30,000	84,900		84,900	U

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55	0603609N	Conventional Munitions	04	7,603	7,678		7,678	8,342		8,342	U
56	0603611M	Marine Corps Assault Vehicles	04	101,175	212,173		212,173	158,682		158,682	U
57	0603635M	Marine Corps Ground Combat/Support System	04	1,241	378		378	1,303		1,303	U
58	0603654N	Joint Service Explosive Ordnance Development	04	22,274	15,329		15,329	46,911		46,911	U
59	0603658N	Cooperative Engagement	04	41,158	73,786		73,786				U
60	0603713N	Ocean Engineering Technology Development	04	6,127	4,520		4,520	4,556		4,556	U
61	0603721N	Environmental Protection	04	13,200	19,289		19,289	20,343		20,343	U
62	0603724N	Navy Energy Program	04	62,412	56,391		56,391	52,479		52,479	U
63	0603725N	Facilities Improvement	04	2,588	3,726		3,726	5,458		5,458	U
64	0603734N	CHALK CORAL	04	162,900	174,771		174,771	245,860		245,860	U
65	0603739N	Navy Logistic Productivity	04	3,355	3,866		3,866	3,089		3,089	U
66	0603746N	RETRACT MAPLE	04	346,830	359,856		359,856	323,526		323,526	U
67	0603748N	LINK PLUMERIA	04	260,179	237,376		237,376	318,497		318,497	U
68	0603751N	RETRACT ELM	04	32,889	37,700		37,700	52,834		52,834	U
69	0603764N	LINK EVERGREEN	04	44,894	47,312		47,312	48,116		48,116	U
70	0603787N	Special Processes	04	24,336	17,392		17,392	13,619		13,619	U
71	0603790N	NATO Research and Development	04	8,659	8,320		8,320	9,867		9,867	U
72	0603795N	Land Attack Technology	04	310	887		887	6,015		6,015	U
73	0603851M	Joint Non-Lethal Weapons Testing	04	32,955	29,444		29,444	27,904		27,904	U
74	0603860N	Joint Precision Approach and Landing Systems - Dem/Val	04	41,644	81,466		81,466	104,144		104,144	U

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75	0603925N	Directed Energy and Electric Weapon Systems	04	54,154	41,730		41,730	32,700		32,700	U
76	0604112N	Gerald R. Ford Class Nuclear Aircraft Carrier (CVN 78 - 80)	04	46,308	98,105		98,105	70,528		70,528	U
77	0604122N	Remote Minehunting System (RMS)	04	20,534	17,589		17,589	3,001		3,001	U
78	0604272N	Tactical Air Directional Infrared Countermeasures (TADIRCM)	04	5,677	18,969		18,969	34,920	37,990	72,910	U
79	0604279N	ASE Self-Protection Optimization	04	5,121	7,874		7,874				U
80	0604292N	MH-XX	04	3,007	4,516		4,516	1,620		1,620	U
81	0604454N	LX (R)	04	32,522	75,486		75,486	6,354		6,354	U
82	0604536N	Advanced Undersea Prototyping	04					78,589		78,589	U
83	0604653N	Joint Counter Radio Controlled IED Electronic Warfare (JCREW)	04	14,987	3,790		3,790				U
84	0604659N	Precision Strike Weapons Development Program	04		9,595		9,595	9,910		9,910	U
85	0604707N	Space and Electronic Warfare (SEW) Architecture/Engineering Support	04	21,916	20,203		20,203	23,971		23,971	U
86	0604786N	Offensive Anti-Surface Warfare Weapon Development	04	181,719	285,849		285,849	252,409		252,409	U
87	0605812M	Joint Light Tactical Vehicle (JLTV) Engineering and Manufacturing Development Ph	04	8,970	32,149		32,149	23,197		23,197	U
88	0303354N	ASW Systems Development - MIP	04	6,495	9,835		9,835	9,110		9,110	U
89	0304270N	Electronic Warfare Development - MIP	04	332	580		580	437		437	U
		Advanced Component Development & Prototypes		4,357,168	5,022,272		5,022,272	4,662,867	41,897	4,704,764	
90	0603208N	Training System Aircraft	05	13,115	17,989		17,989	19,938		19,938	U
91	0604212N	Other Helo Development	05	34,436	11,101		11,101	6,268		6,268	U

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92	0604214N	AV-8B Aircraft - Eng Dev	05	24,558	27,668		27,668	33,664		33,664	U
93	0604215N	Standards Development	05	52,842	53,049		53,049	1,300		1,300	U
94	0604216N	Multi-Mission Helicopter Upgrade Development	05	11,159	18,858		18,858	5,275		5,275	U
95	0604218N	Air/Ocean Equipment Engineering	05	2,126	4,515		4,515	3,875		3,875	U
96	0604221N	P-3 Modernization Program	05	698	1,514		1,514	1,909		1,909	U
97	0604230N	Warfare Support System	05	9,050	5,875		5,875	13,237		13,237	U
98	0604231N	Tactical Command System	05	52,287	73,533		73,533	36,323		36,323	U
99	0604234N	Advanced Hawkeye	05	171,189	217,645		217,645	363,792		363,792	U
100	0604245N	H-1 Upgrades	05	43,469	27,235		27,235	27,441		27,441	U
101	0604261N	Acoustic Search Sensors	05	24,395	31,235		31,235	34,525		34,525	U
102	0604262N	V-22A	05	50,188	76,483		76,483	174,423		174,423	U
103	0604264N	Air Crew Systems Development	05	14,503	12,665		12,665	13,577		13,577	U
104	0604269N	EA-18	05	18,653	46,921		46,921	116,761		116,761	U
105	0604270N	Electronic Warfare Development	05	27,250	20,113		20,113	48,766		48,766	U
106	0604273N	Executive Helo Development	05	356,567	507,093		507,093	338,357		338,357	U
107	0604274N	Next Generation Jammer (NGJ)	05	224,578	387,770		387,770	577,822		577,822	U
108	0604280N	Joint Tactical Radio System - Navy (JTRS-Navy)	05	6,725	24,985		24,985	2,365		2,365	U
109	0604282N	Next Generation Jammer (NGJ) Increment II	05		13,000		13,000	52,065		52,065	U
110	0604307N	Surface Combatant Combat System Engineering	05	178,430	386,576		386,576	282,764		282,764	U
111	0604311N	LPD-17 Class Systems Integration	05	363	747		747	580		580	U

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112	0604329N	Small Diameter Bomb (SDB)	05	53,950	57,144		57,144	97,622		97,622	U
113	0604366N	Standard Missile Improvements	05	50,241	115,644		115,644	120,561		120,561	U
114	0604373N	Airborne MCM	05	37,831	9,647		9,647	45,622		45,622	U
115	0604376M	Marine Air Ground Task Force (MAGTF) Electronic Warfare (EW) for Aviation	05	9,219	2,778		2,778				U
116	0604378N	Naval Integrated Fire Control - Counter Air Systems Engineering	05	14,903	23,695		23,695	25,750		25,750	U
117	0604404N	Unmanned Carrier Launched Airborne Surveillance and Strike (UCLASS) System	05	382,542	434,699		434,699				U
118	0604501N	Advanced Above Water Sensors	05	19,320	43,914		43,914	85,868		85,868	U
119	0604503N	SSN-688 and Trident Modernization	05	70,053	109,893		109,893	117,476		117,476	U
120	0604504N	Air Control	05	28,669	57,928		57,928	47,404		47,404	U
121	0604512N	Shipboard Aviation Systems	05	120,062	120,217		120,217	112,158		112,158	U
122	0604518N	Combat Information Center Conversion	05					6,283		6,283	U
123	0604522N	Air and Missile Defense Radar (AMDR) System	05	126,525	232,677		232,677	144,395		144,395	U
124	0604558N	New Design SSN	05	85,787	157,056		157,056	113,013		113,013	U
125	0604562N	Submarine Tactical Warfare System	05	37,768	52,713		52,713	43,160		43,160	U
126	0604567N	Ship Contract Design/ Live Fire T&E	05	39,459	38,925		38,925	65,002		65,002	U
127	0604574N	Navy Tactical Computer Resources	05	3,884	4,096		4,096	3,098		3,098	U
128	0604580N	Virginia Payload Module (VPM)	05	106,223	167,719		167,719	97,920		97,920	U
129	0604601N	Mine Development	05	10,962	15,122		15,122	10,490		10,490	U
130	0604610N	Lightweight Torpedo Development	05	39,664	43,738		43,738	20,178		20,178	U

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131	0604654N	Joint Service Explosive Ordnance Development	05	8,978	8,123		8,123	7,369		7,369	U
132	0604703N	Personnel, Training, Simulation, and Human Factors	05	5,925	7,686		7,686	4,995		4,995	U
133	0604727N	Joint Standoff Weapon Systems	05	4,389	405		405	412		412	U
134	0604755N	Ship Self Defense (Detect & Control)	05	64,704	145,336		145,336	134,619		134,619	U
135	0604756N	Ship Self Defense (Engage: Hard Kill)	05	94,534	86,811		86,811	114,475		114,475	U
136	0604757N	Ship Self Defense (Engage: Soft Kill/EW)	05	107,319	105,416		105,416	114,211		114,211	U
137	0604761N	Intelligence Engineering	05	200	2,053		2,053	11,029		11,029	U
138	0604771N	Medical Development	05	26,589	25,291		25,291	9,220		9,220	U
139	0604777N	Navigation/ID System	05	28,952	32,456		32,456	42,723		42,723	U
140	0604800M	Joint Strike Fighter (JSF) - EMD	05	487,940	537,901		537,901	531,426		531,426	U
141	0604800N	Joint Strike Fighter (JSF) - EMD	05	486,978	504,736		504,736	528,716		528,716	U
142	0604810M	Joint Strike Fighter Follow On Development - Marine Corps	05	10,086	20,798		20,798	74,227		74,227	U
143	0604810N	Joint Strike Fighter Follow On Development - Navy	05	10,302	21,200		21,200	63,387		63,387	U
144	0605013M	Information Technology Development	05	2,670	4,824		4,824	4,856		4,856	U
145	0605013N	Information Technology Development	05	55,106	85,816		85,816	97,066		97,066	U
146	0605024N	Anti-Tamper Technology Support	05					2,500		2,500	U
147	0605212N	CH-53K RDTE	05	538,192	592,317		592,317	404,810		404,810	U
148	0605215N	Mission Planning	05					33,570		33,570	U
149	0605217N	Common Avionics	05					51,599		51,599	U

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150	0605220N	Ship to Shore Connector (SSC)	05	41,616	7,778		7,778	11,088		11,088	U
151	0605327N	T-AO (X)	05					1,095		1,095	U
152	0605414N	Carrier Based Aerial Refueling System (CBARS)	05					89,000		89,000	U
153	0605450N	Joint Air-to-Ground Missile (JAGM)	05	6,104	25,898		25,898	17,880		17,880	U
154	0605500N	Multi-mission Maritime Aircraft (MMA)	05	297,380	156,293		156,293	59,126		59,126	U
155	0605504N	Multi-Mission Maritime (MMA) Increment III	05		91,616		91,616	182,220		182,220	U
156	0204202N	DDG-1000	05	196,987	103,179		103,179	45,642		45,642	U
157	0303167N	Pre-Auction Spectrum Relocation Fund	05	1,569							U
158	0303267N	Auctioned Spectrum Relocation Fund	05	4,569							U
159	0304231N	Tactical Command System - MIP	05	1,011	998		998	676		676	U
160	0304785N	Tactical Cryptologic Systems	05	10,157	17,785		17,785	36,747		36,747	U
161	0305124N	Special Applications Program	05	73,975	35,905		35,905	35,002		35,002	U
162	0306250M	Cyber Operations Technology Development	05					4,942		4,942	U
System Development & Demonstration				5,119,875	6,274,796		6,274,796	6,025,655		6,025,655	
163	0604256N	Threat Simulator Development	06	40,178	30,769		30,769	16,633		16,633	U
164	0604258N	Target Systems Development	06	66,251	71,152		71,152	36,662		36,662	U
165	0604759N	Major T&E Investment	06	121,108	61,234		61,234	42,109		42,109	U
166	0605126N	Joint Theater Air and Missile Defense Organization	06	4,800	6,995		6,995	2,998		2,998	U
167	0605152N	Studies and Analysis Support - Navy	06	3,412	4,011		4,011	3,931		3,931	U
168	0605154N	Center for Naval Analyses	06	43,054	47,071		47,071	46,634		46,634	U

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169	0605285N	Next Generation Fighter	06	4,794	5,000		5,000	1,200		1,200	U
170	0605502N	Small Business Innovative Research	06	325,429							U
171	0605804N	Technical Information Services	06	1,290	925		925	903		903	U
172	0605853N	Management, Technical & International Support	06	83,789	83,024		83,024	87,077		87,077	U
173	0605856N	Strategic Technical Support	06	2,500	3,258		3,258	3,597		3,597	U
174	0605861N	RDT&E Science and Technology Management	06	72,943	76,948		76,948	62,811		62,811	U
175	0605863N	RDT&E Ship and Aircraft Support	06	127,634	132,122		132,122	106,093		106,093	U
176	0605864N	Test and Evaluation Support	06	335,791	351,912		351,912	349,146		349,146	U
177	0605865N	Operational Test and Evaluation Capability	06	16,423	17,985		17,985	18,160		18,160	U
178	0605866N	Navy Space and Electronic Warfare (SEW) Support	06	2,992	5,316		5,316	9,658		9,658	U
179	0605867N	SEW Surveillance/Reconnaissance Support	06	8,325	6,519		6,519	6,500		6,500	U
180	0605873M	Marine Corps Program Wide Support	06	17,449	13,627		13,627	22,247		22,247	U
181	0605898N	Management HQ - R&D	06					16,254		16,254	U
182	0606355N	Warfare Innovation Management	06					21,123		21,123	U
183	0909980N	Judgment Fund Reimbursement	06		353		353				U
184	0909999N	Financing for Cancelled Account Adjustments	06	137	2		2				U
		Management Support		1,278,299	918,223		918,223	853,736		853,736	
186	0604402N	Unmanned Combat Air Vehicle (UCAV) Advanced Component and Prototype Development	07	35,309							U

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187	0605525N	Carrier Onboard Delivery (COD) Follow On	07	8,873							U
188	0607658N	Cooperative Engagement Capability (CEC)	07					84,501		84,501	U
189	0607700N	Deployable Joint Command and Control	07					2,970		2,970	U
190	0101221N	Strategic Sub & Weapons System Support	07	93,912	96,404		96,404	136,556		136,556	U
191	0101224N	SSBN Security Technology Program	07	29,146	46,481		46,481	33,845		33,845	U
192	0101226N	Submarine Acoustic Warfare Development	07	4,366	4,700		4,700	9,329		9,329	U
193	0101402N	Navy Strategic Communications	07	13,535	16,558		16,558	17,218		17,218	U
194	0203761N	Rapid Technology Transition (RTT)	07	8,323	8,632		8,632				U
195	0204136N	F/A-18 Squadrons	07	84,976	135,755		135,755	189,125		189,125	U
196	0204163N	Fleet Telecommunications (Tactical)	07	26,333	41,538		41,538	48,225		48,225	U
197	0204228N	Surface Support	07	3,000	36,045		36,045	21,156		21,156	U
198	0204229N	Tomahawk and Tomahawk Mission Planning Center (TMPC)	07	25,543	25,227		25,227	71,355		71,355	U
199	0204311N	Integrated Surveillance System	07	72,315	49,587		49,587	58,542		58,542	U
200	0204413N	Amphibious Tactical Support Units (Displacement Craft)	07	5,522	11,335		11,335	13,929		13,929	U
201	0204460M	Ground/Air Task Oriented Radar (G/ATOR)	07	90,577	65,598		65,598	83,538		83,538	U
202	0204571N	Consolidated Training Systems Development	07	38,359	34,325		34,325	38,593		38,593	U
203	0204574N	Cryptologic Direct Support	07	1,627	1,915		1,915	1,122		1,122	U
204	0204575N	Electronic Warfare (EW) Readiness Support	07	15,993	46,403		46,403	99,998		99,998	U

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Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Se c
205	0205601N	HARM Improvement	07	17,377	23,708		23,708	48,635		48,635	U
206	0205604N	Tactical Data Links	07	135,582	142,361		142,361	124,785		124,785	U
207	0205620N	Surface ASW Combat System Integration	07	25,567	24,435		24,435	24,583		24,583	U
208	0205632N	MK-48 ADCAP	07	25,920	47,703		47,703	39,134		39,134	U
209	0205633N	Aviation Improvements	07	83,083	106,255		106,255	120,861		120,861	U
210	0205675N	Operational Nuclear Power Systems	07	104,023	101,323		101,323	101,786		101,786	U
211	0206313M	Marine Corps Communications Systems	07	82,576	77,909		77,909	82,159		82,159	U
212	0206335M	Common Aviation Command and Control System (CAC2S)	07	31,568	13,431		13,431	11,850		11,850	U
213	0206623M	Marine Corps Ground Combat/ Supporting Arms Systems	07	49,173	48,590		48,590	47,877		47,877	U
214	0206624M	Marine Corps Combat Services Support	07	18,185	19,955		19,955	13,194		13,194	U
215	0206625M	USMC Intelligence/Electronic Warfare Systems (MIP)	07	16,178	12,671		12,671	17,171		17,171	U
216	0206629M	Amphibious Assault Vehicle	07	87,940	45,110		45,110	38,020		38,020	U
217	0207161N	Tactical AIM Missiles	07	36,361	71,016		71,016	56,285		56,285	U
218	0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	07	9,820	32,172		32,172	40,350		40,350	U
219	0219902M	Global Combat Support System - Marine Corps (GCSS-MC)	07					9,128		9,128	U
223	0303109N	Satellite Communications (SPACE)	07	34,716	47,312		47,312	37,372		37,372	U
224	0303138N	Consolidated Afloat Network Enterprise Services (CANES)	07	24,137	21,667		21,667	23,541		23,541	U
225	0303140N	Information Systems Security Program	07	22,655	28,081		28,081	38,510		38,510	U

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Appropriation: 1319N Research, Development, Test & Eval, Navy

Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Sec
227	0305160N	Navy Meteorological and Ocean Sensors-Space (METOC)	07	356	599		599				U
228	0305192N	Military Intelligence Program (MIP) Activities	07	6,166	6,207		6,207	6,019		6,019	U
229	0305204N	Tactical Unmanned Aerial Vehicles	07	8,505	8,550		8,550	8,436		8,436	U
230	0305205N	UAS Integration and Interoperability	07		41,831		41,831	36,509		36,509	U
231	0305208M	Distributed Common Ground/Surface Systems	07	10,916	1,105		1,105	2,100		2,100	U
232	0305208N	Distributed Common Ground/Surface Systems	07	18,146	23,149		23,149	44,571		44,571	U
233	0305220N	MQ-4C Triton	07	419,242	227,118		227,118	111,729		111,729	U
234	0305231N	MQ-8 UAV	07	43,294	52,770		52,770	26,518		26,518	U
235	0305232M	RQ-11 UAV	07	682	635		635	418		418	U
236	0305233N	RQ-7 UAV	07	851	688		688	716		716	U
237	0305234N	Small (Level 0) Tactical UAS (STUASL0)	07	4,813	4,647		4,647	5,071		5,071	U
238	0305239M	RQ-21A	07	7,782	6,251		6,251	9,497		9,497	U
239	0305241N	Multi-Intelligence Sensor Development	07	17,751	39,645		39,645	77,965		77,965	U
240	0305242M	Unmanned Aerial Systems (UAS) Payloads (MIP)	07	1,900	9,246		9,246	11,181		11,181	U
241	0305421N	RQ-4 Modernization	07	30,000	129,892		129,892	181,266		181,266	U
242	0308601N	Modeling and Simulation Support	07	4,556	4,757		4,757	4,709		4,709	U
243	0702207N	Depot Maintenance (Non-IF)	07	20,678	24,185		24,185	49,322		49,322	U
244	0708011N	Industrial Preparedness	07	36,031							U

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Appropriation: 1319N Research, Development, Test & Eval, Navy

Line No	Element Number	Program Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Se c
245	0708730N	Maritime Technology (MARITECH)	07	4,187	4,321		4,321	3,204		3,204	U
9999	9999999999	Classified Programs		1,197,753	1,492,185	35,747	1,527,932	1,228,460	36,426	1,264,886	U
		Operational Systems Development		3,196,179	3,561,983		3,597,730	3,592,934		3,629,360	
Total Research, Development, Test & Eval, Navy				16,067,423	18,111,247		18,146,994	17,276,301	78,323	17,354,624	

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<u>Summary Recap of Budget Activities</u>	<u>FY 2015 (Base & OCO)</u>	<u>FY 2016 Base Enacted</u>	<u>FY 2016 OCO Enacted</u>	<u>FY 2016 Total Enacted</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 Total</u>
Basic Research	538,586	530,253		530,253	500,024		500,024
Applied Research	1,090,419	1,240,141		1,240,141	1,260,152		1,260,152
Advanced Technology Development	606,365	710,377		710,377	725,805		725,805
Advanced Component Development & Prototypes	1,362,546	1,561,351		1,561,351	2,847,833		2,847,833
System Development & Demonstration	3,516,726	3,907,650		3,907,650	4,075,804	425	4,076,229
Management Support	1,495,139	1,184,667		1,184,667	1,245,577		1,245,577
Operational Systems Development	15,010,147	16,060,018	17,100	16,077,118	17,457,056	32,480	17,489,536
Total Research, Development, Test & Evaluation	23,619,928	25,194,457	17,100	25,211,557	28,112,251	32,905	28,145,156
 <u>Summary Recap of FYDP Programs</u>							
Strategic Forces	458,400	606,099		606,099	636,723		636,723
General Purpose Forces	1,504,009	1,608,728	300	1,609,028	2,203,903		2,203,903
Intelligence and Communications	1,634,882	1,568,630		1,568,630	1,850,451	4,715	1,855,166
Mobility Forces	223,007	303,822		303,822	505,020		505,020
Research and Development	8,505,587	8,808,727		8,808,727	9,680,261	425	9,680,686
Central Supply and Maintenance	89,056	111,467		111,467	105,997		105,997
Training Medical and Other	2,538	3,272		3,272	3,114		3,114
Administration and Associated Activities	108,250	110,346		110,346	30,441		30,441
Support of Other Nations	3,790	2,315		2,315	4,784		4,784
Classified Programs	11,090,409	12,071,051	16,800	12,087,851	13,091,557	27,765	13,119,322
Total Research, Development, Test & Evaluation	23,619,928	25,194,457	17,100	25,211,557	28,112,251	32,905	28,145,156

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Appropriation: 3600F Research, Development, Test & Eval, AF

Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Se c
1	0601102F	Defense Research Sciences	01	382,332	374,721		374,721	340,812		340,812	U
2	0601103F	University Research Initiatives	01	142,752	141,754		141,754	145,044		145,044	U
3	0601108F	High Energy Laser Research Initiatives	01	13,502	13,778		13,778	14,168		14,168	U
		Basic Research		538,586	530,253		530,253	500,024		500,024	
4	0602102F	Materials	02	114,302	133,734		133,734	126,152		126,152	U
5	0602201F	Aerospace Vehicle Technologies	02	101,053	122,969		122,969	122,831		122,831	U
6	0602202F	Human Effectiveness Applied Research	02	95,727	110,221		110,221	111,647		111,647	U
7	0602203F	Aerospace Propulsion	02	168,628	185,926		185,926	185,671		185,671	U
8	0602204F	Aerospace Sensors	02	118,654	152,175		152,175	155,174		155,174	U
9	0602601F	Space Technology	02	96,425	109,122		109,122	117,915		117,915	U
10	0602602F	Conventional Munitions	02	86,328	99,851		99,851	109,649		109,649	U
11	0602605F	Directed Energy Technology	02	126,189	115,105		115,105	127,163		127,163	U
12	0602788F	Dominant Information Sciences and Methods	02	146,951	169,183		169,183	161,650		161,650	U
13	0602890F	High Energy Laser Research	02	36,162	41,855		41,855	42,300		42,300	U
		Applied Research		1,090,419	1,240,141		1,240,141	1,260,152		1,260,152	
14	0603112F	Advanced Materials for Weapon Systems	03	38,262	46,665		46,665	35,137		35,137	U
15	0603199F	Sustainment Science and Technology (S&T)	03	14,900	18,378		18,378	20,636		20,636	U
16	0603203F	Advanced Aerospace Sensors	03	34,100	42,001		42,001	40,945		40,945	U
17	0603211F	Aerospace Technology Dev/Demo	03	86,275	100,622		100,622	130,950		130,950	U
18	0603216F	Aerospace Propulsion and Power Technology	03	126,729	178,594		178,594	94,594		94,594	U

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Appropriation: 3600F Research, Development, Test & Eval, AF

Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Sec
19	0603270F	Electronic Combat Technology	03	45,548	46,946		46,946	58,250		58,250	U
20	0603401F	Advanced Spacecraft Technology	03	65,207	61,813		61,813	61,593		61,593	U
21	0603444F	Maui Space Surveillance System (MSSS)	03	13,185	12,853		12,853	11,681		11,681	U
22	0603456F	Human Effectiveness Advanced Technology Development	03	21,142	25,448		25,448	26,492		26,492	U
23	0603601F	Conventional Weapons Technology	03	41,385	43,036		43,036	102,009		102,009	U
24	0603605F	Advanced Weapons Technology	03	33,681	35,195		35,195	39,064		39,064	U
25	0603680F	Manufacturing Technology Program	03	51,613	52,630		52,630	46,344		46,344	U
26	0603788F	Battlespace Knowledge Development and Demonstration	03	34,338	46,196		46,196	58,110		58,110	U
Advanced Technology Development				606,365	710,377		710,377	725,805		725,805	
27	0603260F	Intelligence Advanced Development	04	5,408	5,032		5,032	5,598		5,598	U
28	0603438F	Space Control Technology	04	5,799	4,057		4,057	7,534		7,534	U
29	0603742F	Combat Identification Technology	04	10,606	21,790		21,790	24,418		24,418	U
30	0603790F	NATO Research and Development	04	2,309	4,736		4,736	4,333		4,333	U
31	0603791F	International Space Cooperative R&D	04	806							U
32	0603830F	Space Security and Defense Program	04	30,592	30,771		30,771	32,399		32,399	U
33	0603851F	Intercontinental Ballistic Missile - Dem/Val	04	30,388	39,765		39,765	108,663		108,663	U
34	0603859F	Pollution Prevention - Dem/Val	04	965							U
35	0604015F	Long Range Strike - Bomber	04	883,363	736,228		736,228	1,358,309		1,358,309	U
36	0604257F	Advanced Technology and Sensors	04					34,818		34,818	U
37	0604317F	Technology Transfer	04	4,683	7,612		7,612	3,368		3,368	U

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38	0604327F	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	04		54,637		54,637	74,308		74,308	U
39	0604422F	Weather System Follow-on	04	30,890	56,044		56,044	118,953		118,953	U
40	0604425F	Space Situation Awareness Systems	04					9,901		9,901	U
41	0604776F	Deployment & Distribution Enterprise R&D	04					25,890		25,890	U
42	0604857F	Operationally Responsive Space	04	20,000	18,437		18,437	7,921		7,921	U
43	0604858F	Tech Transition Program	04	79,887	266,514		266,514	347,304		347,304	U
44	0605230F	Ground Based Strategic Deterrent	04		75,166		75,166	113,919		113,919	U
45	0201184F	Counter Narco-Terrorism Program Office	04	650							U
46	0207110F	Next Generation Air Dominance	04	18,224	8,830		8,830	20,595		20,595	U
47	0207455F	Three Dimensional Long-Range Radar (3DELRR)	04	85,832	8,139		8,139	49,491		49,491	U
48	0305164F	NAVSTAR Global Positioning System (User Equipment) (SPACE)	04	152,144	141,861		141,861	278,147		278,147	U
49	0305236F	Common Data Link Executive Agent (CDL EA)	04					42,338		42,338	U
50	0306250F	Cyber Operations Technology Development	04		81,732		81,732	158,002		158,002	U
51	0306415F	Enabled Cyber Activities	04					15,842		15,842	U
52	0901410F	Contracting Information Technology System	04					5,782		5,782	U
Advanced Component Development & Prototypes				1,362,546	1,561,351		1,561,351	2,847,833		2,847,833	
53	0604233F	Specialized Undergraduate Flight Training	05	12,903							U
54	0604270F	Electronic Warfare Development	05	7,815	843		843	12,476		12,476	U

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55	0604281F	Tactical Data Networks Enterprise	05	30,282	59,996		59,996	82,380		82,380	U
56	0604287F	Physical Security Equipment	05	3,926	5,973		5,973	8,458		8,458	U
57	0604329F	Small Diameter Bomb (SDB) - EMD	05	66,374	29,083		29,083	54,838		54,838	U
58	0604421F	Counterspace Systems	05	22,654	24,134		24,134	34,394	425	34,819	U
59	0604425F	Space Situation Awareness Systems	05	9,031	29,288		29,288	23,945		23,945	U
60	0604426F	Space Fence	05	191,708	240,692		240,692	168,364		168,364	U
61	0604429F	Airborne Electronic Attack	05	26,555	8,358		8,358	9,187		9,187	U
62	0604441F	Space Based Infrared System (SBIRS) High EMD	05	308,788	291,510		291,510	181,966		181,966	U
63	0604602F	Armament/Ordnance Development	05	28,667	37,654		37,654	20,312		20,312	U
64	0604604F	Submunitions	05	2,543	2,506		2,506	2,503		2,503	U
65	0604617F	Agile Combat Support	05	41,857	56,178		56,178	53,680		53,680	U
66	0604618F	Joint Direct Attack Munition	05					9,901		9,901	U
67	0604706F	Life Support Systems	05	14,697	8,187		8,187	7,520		7,520	U
68	0604735F	Combat Training Ranges	05	9,812	11,795		11,795	77,409		77,409	U
69	0604800F	F-35 - EMD	05	566,937	586,953		586,953	450,467		450,467	U
70	0604853F	Evolved Expendable Launch Vehicle Program (SPACE) - EMD	05	225,600	227,784		227,784	296,572		296,572	U
71	0604932F	Long Range Standoff Weapon	05	3,438	16,143		16,143	95,604		95,604	U
72	0604933F	ICBM Fuze Modernization	05	57,893	142,551		142,551	189,751		189,751	U
73	0605030F	Joint Tactical Network Center (JTNC)	05					1,131		1,131	U
74	0605213F	F-22 Modernization Increment 3.2B	05	163,877	140,640		140,640	70,290		70,290	U
75	0605214F	Ground Attack Weapons Fuze Development	05	5,177	3,598		3,598	937		937	U

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76	0605221F	KC-46	05	763,224	592,364		592,364	261,724		261,724	U
77	0605223F	Advanced Pilot Training	05	8,201	10,395		10,395	12,377		12,377	U
78	0605229F	CSAR HH-60 Recapitalization	05	100,000	156,085		156,085	319,331		319,331	U
79	0605278F	HC/MC-130 Recap RDT&E	05	4,497							U
80	0605431F	Advanced EHF MILSATCOM (SPACE)	05	294,455	228,095		228,095	259,131		259,131	U
81	0605432F	Polar MILSATCOM (SPACE)	05	99,788	71,867		71,867	50,815		50,815	U
82	0605433F	Wideband Global SATCOM (SPACE)	05	28,345	52,185		52,185	41,632		41,632	U
83	0605458F	Air & Space Ops Center 10.2 RDT&E	05	83,245	47,629		47,629	28,911		28,911	U
84	0605931F	B-2 Defensive Management System	05	95,440	271,961		271,961	315,615		315,615	U
85	0101125F	Nuclear Weapons Modernization	05	148,281	212,121		212,121	137,909		137,909	U
86	0207171F	F-15 EPAWSS	05		180,681		180,681	256,669		256,669	U
87	0207701F	Full Combat Mission Training	05	8,831	18,082		18,082	12,051		12,051	U
88	0305176F	Combat Survivor Evader Locator	05		993		993	29,253		29,253	U
89	0307581F	JSTARS Recap	05	70,879	44,343		44,343	128,019		128,019	U
90	0401319F	Presidential Aircraft Replacement (PAR)	05	11,006	82,420		82,420	351,220		351,220	U
91	0701212F	Automated Test Systems	05		14,563		14,563	19,062		19,062	U
	System Development & Demonstration			3,516,726	3,907,650		3,907,650	4,075,804	425	4,076,229	
92	0604256F	Threat Simulator Development	06	24,318	23,844		23,844	21,630		21,630	U
93	0604759F	Major T&E Investment	06	45,985	73,302		73,302	66,385		66,385	U
94	0605101F	RAND Project Air Force	06	31,164	34,918		34,918	34,641		34,641	U
95	0605502F	Small Business Innovation Research	06	324,371							U

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96	0605712F	Initial Operational Test & Evaluation	06	8,916	10,476		10,476	11,529		11,529	U
97	0605807F	Test and Evaluation Support	06	691,977	683,308		683,308	661,417		661,417	U
98	0605860F	Rocket Systems Launch Program (SPACE)	06	33,420	21,792		21,792	11,198		11,198	U
99	0605864F	Space Test Program (STP)	06	20,552	28,143		28,143	27,070		27,070	U
100	0605976F	Facilities Restoration and Modernization - Test and Evaluation Support	06	46,955	40,518		40,518	134,111		134,111	U
101	0605978F	Facilities Sustainment - Test and Evaluation Support	06	32,965	27,895		27,895	28,091		28,091	U
102	0606017F	Requirements Analysis and Maturation	06	18,673	22,507		22,507	29,100		29,100	U
103	0606116F	Space Test and Training Range Development	06	22,724	18,940		18,940	18,528		18,528	U
104	0606392F	Space and Missile Center (SMC) Civilian Workforce	06	166,727	176,196		176,196	176,666		176,666	U
105	0308602F	ENTEPRISE INFORMATION SERVICES (EIS)	06	4,912	3,841		3,841	4,410		4,410	U
106	0702806F	Acquisition and Management Support	06	16,115	15,357		15,357	14,613		14,613	U
107	0804731F	General Skill Training	06	1,425	1,315		1,315	1,404		1,404	U
108	0909999F	Financing for Cancelled Account Adjustments	06	150							U
109	1001004F	International Activities	06	3,790	2,315		2,315	4,784		4,784	U
		Management Support		1,495,139	1,184,667		1,184,667	1,245,577		1,245,577	
110	0603423F	Global Positioning System III - Operational Control Segment	07	334,631	349,181		349,181	393,268		393,268	U
111	0604233F	Specialized Undergraduate Flight Training	07		8,565		8,565	15,427		15,427	U

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Appropriation: 3600F Research, Development, Test & Eval, AF

Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Se c
112	0604445F	Wide Area Surveillance	07	2,000	22,577		22,577	46,695		46,695	U
114	0604618F	Joint Direct Attack Munition	07	2,389							U
115	0605018F	AF Integrated Personnel and Pay System (AF-IPPS)	07	45,250	31,344		31,344	10,368		10,368	U
116	0605024F	Anti-Tamper Technology Executive Agency	07	33,775	26,718		26,718	31,952		31,952	U
117	0605117F	Foreign Materiel Acquisition and Exploitation	07		41,689		41,689	42,960		42,960	U
118	0605278F	HC/MC-130 Recap RDT&E	07		10,807		10,807	13,987		13,987	U
119	0101113F	B-52 Squadrons	07	41,072	74,520		74,520	78,267		78,267	U
120	0101122F	Air-Launched Cruise Missile (ALCM)	07	450	451		451	453		453	U
121	0101126F	B-1B Squadrons	07	4,208	2,245		2,245	5,830		5,830	U
122	0101127F	B-2 Squadrons	07	112,691	108,183		108,183	152,458		152,458	U
123	0101213F	Minuteman Squadrons	07	116,344	166,729		166,729	182,958		182,958	U
124	0101313F	Strat War Planning System - USSTRATCOM	07	31,046	28,358		28,358	39,148		39,148	U
125	0101314F	Night Fist - USSTRATCOM	07		87		87				U
126	0101316F	Worldwide Joint Strategic Communications	07		5,315		5,315	6,042		6,042	U
128	0102110F	UH-1N Replacement Program	07					14,116		14,116	U
129	0102326F	Region/Sector Operation Control Center Modernization Program	07	1,229				10,868		10,868	U
130	0105921F	Service Support to STRATCOM - Space Activities	07	3,079	8,090		8,090	8,674		8,674	U
131	0205219F	MQ-9 UAV	07	141,528	122,731		122,731	151,373		151,373	U

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Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Sec
132	0205671F	Joint Counter RCIED Electronic Warfare	07			300	300				U
133	0207131F	A-10 Squadrons	07		16,200		16,200	14,853		14,853	U
134	0207133F	F-16 Squadrons	07	130,376	166,297		166,297	132,795		132,795	U
135	0207134F	F-15E Squadrons	07	233,898	205,979		205,979	356,717		356,717	U
136	0207136F	Manned Destructive Suppression	07	14,413	14,860		14,860	14,773		14,773	U
137	0207138F	F-22A Squadrons	07	146,291	231,599		231,599	387,564		387,564	U
138	0207142F	F-35 Squadrons	07	39,275	53,921		53,921	153,045		153,045	U
139	0207161F	Tactical AIM Missiles	07	28,820	43,360		43,360	52,898		52,898	U
140	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	07	79,767	46,160		46,160	62,470		62,470	U
141	0207171F	F-15 EPAWSS	07	37,726							U
142	0207224F	Combat Rescue and Recovery	07	5,095	412		412				U
143	0207227F	Combat Rescue - Pararescue	07	856	657		657	362		362	U
144	0207247F	AF TENCAP	07	6,974	31,428		31,428	28,413		28,413	U
145	0207249F	Precision Attack Systems Procurement	07	835	1,105		1,105	649		649	U
146	0207253F	Compass Call	07	16,480	14,187		14,187	13,723		13,723	U
147	0207268F	Aircraft Engine Component Improvement Program	07	93,160	103,942		103,942	109,859		109,859	U
148	0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	07	12,414	9,793		9,793	30,002		30,002	U
149	0207410F	Air & Space Operations Center (AOC)	07	25,661	21,102		21,102	37,621		37,621	U
150	0207412F	Control and Reporting Center (CRC)	07		557		557	13,292		13,292	U
151	0207417F	Airborne Warning and Control System (AWACS)	07	172,785	131,812		131,812	86,644		86,644	U

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Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Se c
152	0207418F	Tactical Airborne Control Systems	07	3,650	6,001		6,001	2,442		2,442	U
154	0207431F	Combat Air Intelligence System Activities	07	7,291	6,793		6,793	10,911		10,911	U
155	0207444F	Tactical Air Control Party-Mod	07	4,616	12,411		12,411	11,843		11,843	U
156	0207448F	C2ISR Tactical Data Link	07	1,699	1,674		1,674	1,515		1,515	U
157	0207452F	DCAPES	07	806	16,723		16,723	14,979		14,979	U
158	0207590F	Seek Eagle	07	23,472	21,564		21,564	25,308		25,308	U
159	0207601F	USAF Modeling and Simulation	07	11,687	24,945		24,945	16,666		16,666	U
160	0207605F	Wargaming and Simulation Centers	07	5,749	6,035		6,035	4,245		4,245	U
161	0207697F	Distributed Training and Exercises	07	3,251	4,358		4,358	3,886		3,886	U
162	0208006F	Mission Planning Systems	07	58,782	55,835		55,835	71,785		71,785	U
163	0208059F	Service Support to Other Core Missions - STRATCOM (CYBERCOM Activities)	07	64,751							U
164	0208087F	AF Offensive Cyberspace Operations	07	12,928	12,874		12,874	25,025		25,025	U
165	0208088F	AF Defensive Cyberspace Operations	07	5,436	7,681		7,681	29,439		29,439	U
168	0301017F	Global Sensor Integrated on Network (GSIN)	07		5,974		5,974	3,470		3,470	U
169	0301112F	Nuclear Planning and Execution System (NPES)	07					4,060		4,060	U
175	0301400F	Space Superiority Intelligence	07	10,697	12,315		12,315	13,880		13,880	U
176	0302015F	E-4B National Airborne Operations Center (NAOC)	07	24,963	76,760		76,760	30,948		30,948	U
177	0303001F	Family of Advanced BLoS Terminals (FAB-T)	07		3,895		3,895	42,378		42,378	U

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178	0303131F	Minimum Essential Emergency Communications Network (MEECN)	07	87,240	74,712		74,712	47,471		47,471	U
179	0303140F	Information Systems Security Program	07	64,972	46,303		46,303	46,388		46,388	U
180	0303141F	Global Combat Support System	07	692				52		52	U
181	0303142F	Global Force Management - Data Initiative	07		2,470		2,470	2,099		2,099	U
182	0303601F	MILSATCOM Terminals	07	57,930							U
184	0304260F	Airborne SIGINT Enterprise	07	72,910	112,775		112,775	90,762		90,762	U
187	0305099F	Global Air Traffic Management (GATM)	07	4,157	4,217		4,217	4,354		4,354	U
188	0305110F	Satellite Control Network (SPACE)	07	18,806	7,861		7,861	15,624		15,624	U
189	0305111F	Weather Service	07	19,404	29,826		29,826	19,974		19,974	U
190	0305114F	Air Traffic Control, Approach, and Landing System (ATCALs)	07	25,309	19,392		19,392	9,770		9,770	U
191	0305116F	Aerial Targets	07	8,537	2,515		2,515	3,051		3,051	U
194	0305128F	Security and Investigative Activities	07		472		472	405		405	U
195	0305145F	Arms Control Implementation	07	13,222	9,137		9,137	4,844		4,844	U
196	0305146F	Defense Joint Counterintelligence Activities	07	40	361		361	339		339	U
199	0305173F	Space and Missile Test and Evaluation Center	07	3,490	3,152		3,152	3,989		3,989	U
200	0305174F	Space Innovation, Integration and Rapid Technology Development	07	1,999	1,543		1,543	3,070	4,715	7,785	U
201	0305179F	Integrated Broadcast Service (IBS)	07	8,592	7,860		7,860	8,833		8,833	U
202	0305182F	Spacelift Range System (SPACE)	07	10,134	6,881		6,881	11,867		11,867	U
203	0305202F	Dragon U-2	07	5,511	34,471		34,471	37,217		37,217	U

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204	0305205F	Endurance Unmanned Aerial Vehicles	07	20,000	5,000		5,000				U
205	0305206F	Airborne Reconnaissance Systems	07	37,649	60,142		60,142	3,841		3,841	U
206	0305207F	Manned Reconnaissance Systems	07	14,116	13,245		13,245	20,975		20,975	U
207	0305208F	Distributed Common Ground/Surface Systems	07	26,993	22,686		22,686	18,902		18,902	U
208	0305220F	RQ-4 UAV	07	241,828	188,053		188,053	256,307		256,307	U
209	0305221F	Network-Centric Collaborative Targeting	07	11,096	19,587		19,587	22,610		22,610	U
210	0305236F	Common Data Link Executive Agent (CDL EA)	07	32,015	43,796		43,796				U
211	0305238F	NATO AGS	07	232,851	138,400		138,400	38,904		38,904	U
212	0305240F	Support to DCGS Enterprise	07	17,115	28,336		28,336	23,084		23,084	U
213	0305258F	Advanced Evaluation Program	07					116,143		116,143	U
214	0305265F	GPS III Space Segment	07	204,864	180,359		180,359	141,888		141,888	U
215	0305600F	International Intelligence Technology and Architectures	07	2,270	2,298		2,298	2,360		2,360	U
216	0305614F	JSPOC Mission System	07	83,277	80,669		80,669	72,889		72,889	U
217	0305881F	Rapid Cyber Acquisition	07	3,959	3,149		3,149	4,280		4,280	U
218	0305906F	NCMC - TW/AA System	07					4,951		4,951	U
219	0305913F	NUDET Detection System (SPACE)	07	20,405	14,403		14,403	21,093		21,093	U
220	0305940F	Space Situation Awareness Operations	07	11,017	20,016		20,016	35,002		35,002	U
221	0306250F	Cyber Operations Technology Development	07	7,768	11,980		11,980				U
222	0308699F	Shared Early Warning (SEW)	07	1,119	849		849	6,366		6,366	U
223	0401115F	C-130 Airlift Squadron	07		33,962		33,962	15,599		15,599	U

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224	0401119F	C-5 Airlift Squadrons (IF)	07	31,772	22,864		22,864	66,146		66,146	U
225	0401130F	C-17 Aircraft (IF)	07	72,566	48,807		48,807	12,430		12,430	U
226	0401132F	C-130J Program	07	26,715	25,010		25,010	16,776		16,776	U
227	0401134F	Large Aircraft IR Countermeasures (LAIRCM)	07	4,672	6,802		6,802	5,166		5,166	U
228	0401219F	KC-10s	07	2,714	1,799		1,799				U
229	0401314F	Operational Support Airlift	07	27,783	46,453		46,453	13,817		13,817	U
230	0401318F	CV-22	07	37,698	27,776		27,776	16,702		16,702	U
231	0408011F	Special Tactics / Combat Control	07	8,081	7,929		7,929	7,164		7,164	U
232	0702207F	Depot Maintenance (Non-IF)	07	1,407	1,525		1,525	1,518		1,518	U
233	0708610F	Logistics Information Technology (LOGIT)	07	56,325	67,915		67,915	61,676		61,676	U
234	0708611F	Support Systems Development	07	15,209	12,107		12,107	9,128		9,128	U
235	0804743F	Other Flight Training	07	987	1,836		1,836	1,653		1,653	U
236	0808716F	Other Personnel Activities	07	126	121		121	57		57	U
237	0901202F	Joint Personnel Recovery Agency	07	2,523	5,911		5,911	3,663		3,663	U
238	0901218F	Civilian Compensation Program	07	2,418	3,604		3,604	3,735		3,735	U
239	0901220F	Personnel Administration	07	6,381	4,598		4,598	5,157		5,157	U
240	0901226F	Air Force Studies and Analysis Agency	07	1,346	1,103		1,103	1,523		1,523	U
241	0901279F	Facilities Operation - Administrative	07	3,666							U

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242	0901538F	Financial Management Information Systems Development	07	91,766	95,130		95,130	10,581		10,581	U
9999	99999999999	Classified Programs		11,090,409	12,071,051	16,800	12,087,851	13,091,557	27,765	13,119,322	U
		Operational Systems Development		15,010,147	16,060,018	17,100	16,077,118	17,457,056	32,480	17,489,536	
Total Research, Development, Test & Eval, AF				23,619,928	25,194,457	17,100	25,211,557	28,112,251	32,905	28,145,156	

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<u>Summary Recap of Budget Activities</u>	<u>FY 2015 (Base & OCO)</u>	<u>FY 2016 Base Enacted</u>	<u>FY 2016 OCO Enacted</u>	<u>FY 2016 Total Enacted</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 Total</u>
Basic Research	592,634	637,989		637,989	629,895		629,895
Applied Research	1,667,621	1,697,301		1,697,301	1,786,523		1,786,523
Advanced Technology Development	2,911,445	3,157,257	40,000	3,197,257	3,190,666		3,190,666
Advanced Component Development And Prototypes	6,234,147	7,199,010		7,199,010	6,919,519		6,919,519
System Development And Demonstration	611,986	521,497		521,497	628,218		628,218
Management Support	1,271,083	1,056,435		1,056,435	897,599		897,599
Operational System Development	4,158,925	4,412,170	137,087	4,549,257	4,256,406	162,419	4,418,825
Total Research, Development, Test & Evaluation	17,447,841	18,681,659	177,087	18,858,746	18,308,826	162,419	18,471,245
 <u>Summary Recap of FYDP Programs</u>							
General Purpose Forces	84,502	73,109		73,109	70,075		70,075
Intelligence and Communications	455,292	514,433		514,433	555,112		555,112
Research and Development	13,051,747	14,027,045	40,000	14,067,045	13,793,461		13,793,461
Central Supply and Maintenance	21,927	24,375		24,375	3,908		3,908
Training Medical and Other	38,266	42,679		42,679	34,384		34,384
Administration and Associated Activities	40,316	39,799		39,799	32,813		32,813
Special Operations Forces	473,921	483,783		483,783	491,759		491,759
Classified Programs	3,281,870	3,476,436	137,087	3,613,523	3,327,314	162,419	3,489,733
Total Research, Development, Test & Evaluation	17,447,841	18,681,659	177,087	18,858,746	18,308,826	162,419	18,471,245

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<u>Appropriation</u>	<u>FY 2015 (Base & OCO)</u>	<u>FY 2016 Base Enacted</u>	<u>FY 2016 OCO Enacted</u>	<u>FY 2016 Total Enacted</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 Total</u>
Chemical and Biological Defense Program	1,064,464	978,766		978,766	884,989		884,989
Defense Advanced Research Projects Agency	2,915,932	2,868,281		2,868,281	2,973,036		2,973,036
Defense Contract Management Agency	12,530	12,042		12,042	11,505		11,505
Defense Human Resources Activity	19,430	18,695		18,695	23,898		23,898
Defense Intelligence Agency							
Defense Information Systems Agency	215,982	209,712		209,712	251,852		251,852
Defense Logistics Agency	221,245	214,251		214,251	188,241		188,241
Defense Security Cooperative Agency	12,386	10,510		10,510	9,572		9,572
Defense Security Service	12,658	8,462		8,462	9,275		9,275
Defense Technical Information Center	50,789	56,775		56,775	48,234		48,234
Defense Threat Reduction Agency	487,802	488,817		488,817	461,305		461,305
Missile Defense Agency	5,647,845	6,215,381		6,215,381	5,892,757		5,892,757
National Geospatial Intelligence Agency							
National Security Agency							
Office of Secretary of Defense	2,685,149	3,279,688	40,000	3,319,688	3,430,277		3,430,277
U.S., Special Operations Command	495,001	554,145		554,145	497,174		497,174
The Joint Staff	150,372	76,865		76,865	68,586		68,586
Washington Headquarters Services	612	975		975	827		827
Total Research, Development, Test & Evaluation	17,447,841	18,681,659	177,087	18,858,746	18,308,826		18,471,245

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Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Se c
1	0601000BR	DTRA Basic Research Initiative	01	36,607	38,436		38,436	35,436		35,436	U
2	0601101E	Defense Research Sciences	01	322,030	333,119		333,119	362,297		362,297	U
3	0601110D8Z	Basic Research Initiatives	01	41,054	71,940		71,940	36,654		36,654	U
4	0601117E	Basic Operational Medical Research Science	01	59,341	56,544		56,544	57,791		57,791	U
5	0601120D8Z	National Defense Education Program	01	54,619	54,355		54,355	69,345		69,345	U
6	0601228D8Z	Historically Black Colleges and Universities/Minority Institutions	01	33,263	35,834		35,834	23,572		23,572	U
7	0601384BP	Chemical and Biological Defense Program	01	45,720	47,761		47,761	44,800		44,800	U
		Basic Research		592,634	637,989		637,989	629,895		629,895	
8	0602000D8Z	Joint Munitions Technology	02	19,491	19,314		19,314	17,745		17,745	U
9	0602115E	Biomedical Technology	02	164,589	114,262		114,262	115,213		115,213	U
10	0602230D8Z	Defense Technology Innovation	02					30,000		30,000	U
11	0602234D8Z	Lincoln Laboratory Research Program	02	49,409	50,925		50,925	48,269		48,269	U
12	0602251D8Z	Applied Research for the Advancement of S&T Priorities	02	40,168	48,131		48,131	42,206		42,206	U
13	0602303E	Information & Communications Technology	02	315,923	341,358		341,358	353,635		353,635	U
14	0602383E	Biological Warfare Defense	02	42,447	24,265		24,265	21,250		21,250	U
15	0602384BP	Chemical and Biological Defense Program	02	212,538	202,611		202,611	188,715		188,715	U
16	0602668D8Z	Cyber Security Research	02	17,748	13,701		13,701	12,183		12,183	U
17	0602702E	Tactical Technology	02	299,787	302,582		302,582	313,843		313,843	U
18	0602715E	Materials and Biological Technology	02	144,409	206,115		206,115	220,456		220,456	U

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19	0602716E	Electronics Technology	02	169,690	174,798		174,798	221,911		221,911	U
20	0602718BR	Weapons of Mass Destruction Defeat Technologies	02	147,019	152,915		152,915	154,857		154,857	U
21	0602751D8Z	Software Engineering Institute (SEI) Applied Research	02	8,844	8,807		8,807	8,420		8,420	U
22	1160401BB	SOF Technology Development	02	35,559	37,517		37,517	37,820		37,820	U
Applied Research				1,667,621	1,697,301		1,697,301	1,786,523		1,786,523	
23	0603000D8Z	Joint Munitions Advanced Technology	03	24,132	25,864		25,864	23,902		23,902	U
24	0603121D8Z	SO/LIC Advanced Development	03	8,587							U
25	0603122D8Z	Combating Terrorism Technology Support	03	99,121	108,030	40,000	148,030	73,002		73,002	U
26	0603133D8Z	Foreign Comparative Testing	03	21,128	24,782		24,782	19,343		19,343	U
27	0603160BR	Counterproliferation Initiatives - Proliferation Prevention and Defeat	03	287,903	290,310		290,310	266,444		266,444	U
28	0603176C	Advanced Concepts and Performance Assessment	03	9,999	12,139		12,139	17,880		17,880	U
29	0603177C	Discrimination Sensor Technology	03	35,223	28,200		28,200				U
30	0603178C	Weapons Technology	03	61,396	51,153		51,153	71,843		71,843	U
31	0603179C	Advanced C4ISR	03	13,061	9,876		9,876	3,626		3,626	U
32	0603180C	Advanced Research	03	18,476	17,364		17,364	23,433		23,433	U
33	0603225D8Z	Joint DoD-DoE Munitions Technology Development	03	17,889	18,765		18,765	17,256		17,256	U
34	0603264S	Agile Transportation for the 21st Century (AT21) - Theater Capability	03	1,460	1,706		1,706				U
35	0603274C	Special Program - MDA Technology	03	43,439	13,908		13,908	83,745		83,745	U
36	0603286E	Advanced Aerospace Systems	03	123,292	173,631		173,631	182,327		182,327	U

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37	0603287E	Space Programs and Technology	03	172,504	126,692		126,692	175,240		175,240	U
38	0603288D8Z	Analytic Assessments	03	13,299	14,645		14,645	12,048		12,048	U
39	0603289D8Z	Advanced Innovative Analysis and Concepts	03	48,760	50,030		50,030	57,020		57,020	U
40	0603294C	Common Kill Vehicle Technology	03	24,836	61,753		61,753				U
41	0603375D8Z	Technology Innovation	03	10,000	25,000		25,000	39,923		39,923	U
42	0603384BP	Chemical and Biological Defense Program - Advanced Development	03	147,141	140,094		140,094	127,941		127,941	U
43	0603527D8Z	RETRACT LARCH	03		108,430		108,430	181,977		181,977	U
44	0603618D8Z	Joint Electronic Advanced Technology	03	10,757	30,879		30,879	22,030		22,030	U
45	0603648D8Z	Joint Capability Technology Demonstrations	03	116,234	132,258		132,258	148,184		148,184	U
46	0603662D8Z	Networked Communications Capabilities	03		5,967		5,967	9,331		9,331	U
47	0603680D8Z	Defense-Wide Manufacturing Science and Technology Program	03	88,135	156,743		156,743	158,398		158,398	U
48	0603680S	Manufacturing Technology Program	03					31,259		31,259	U
49	0603699D8Z	Emerging Capabilities Technology Development	03	68,640	40,949		40,949	49,895		49,895	U
50	0603712S	Generic Logistics R&D Technology Demonstrations	03	22,224	15,537		15,537	11,011		11,011	U
51	0603713S	Deployment and Distribution Enterprise Technology	03	29,533	29,888		29,888				U
52	0603716D8Z	Strategic Environmental Research Program	03	54,357	55,705		55,705	65,078		65,078	U
53	0603720S	Microelectronics Technology Development and Support	03	81,199	89,038		89,038	97,826		97,826	U

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54	0603727D8Z	Joint Warfighting Program	03	10,108	4,982		4,982	7,848		7,848	U
55	0603739E	Advanced Electronics Technologies	03	81,119	76,021		76,021	49,807		49,807	U
56	0603760E	Command, Control and Communications Systems	03	229,945	201,335		201,335	155,081		155,081	U
57	0603766E	Network-Centric Warfare Technology	03	350,323	425,861		425,861	428,894		428,894	U
58	0603767E	Sensor Technology	03	283,905	240,127		240,127	241,288		241,288	U
59	0603769SE	Distributed Learning Advanced Technology Development	03	10,692	10,771		10,771				U
60	0603781D8Z	Software Engineering Institute	03	15,198	15,173		15,173	14,264		14,264	U
61	0603826D8Z	Quick Reaction Special Projects	03	55,821	70,320		70,320	74,943		74,943	U
62	0603832D8Z	DoD Modeling and Simulation Management Office	03	2,908							U
63	0603833D8Z	Engineering Science & Technology	03		18,341		18,341	17,659		17,659	U
64	0603941D8Z	Test & Evaluation Science & Technology	03	79,073	91,425		91,425	87,135		87,135	U
65	0604055D8Z	Operational Energy Capability Improvement	03	45,060	41,420		41,420	37,329		37,329	U
66	0303310D8Z	CWMD Systems	03	44,690	42,404		42,404	44,836		44,836	U
67	1160402BB	SOF Advanced Technology Development	03	49,878	59,741		59,741	61,620		61,620	U
		Advanced Technology Development		2,911,445	3,157,257	40,000	3,197,257	3,190,666		3,190,666	
68	0603161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E ADC&P	04	40,088	31,648		31,648	28,498		28,498	U
69	0603600D8Z	WALKOFF	04	98,547	90,387		90,387	89,643		89,643	U
70	0603714D8Z	Advanced Sensors Application Program	04	19,482	15,869		15,869				U
71	0603821D8Z	Acquisition Enterprise Data & Information Services	04					2,136		2,136	U

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72	0603851D8Z	Environmental Security Technical Certification Program	04	62,432	52,654		52,654	52,491		52,491	U
73	0603881C	Ballistic Missile Defense Terminal Defense Segment	04	161,298	212,230		212,230	206,834		206,834	U
74	0603882C	Ballistic Missile Defense Midcourse Defense Segment	04	863,965	1,269,913		1,269,913	862,080		862,080	U
75	0603884BP	Chemical and Biological Defense Program - Dem/Val	04	180,962	170,354		170,354	138,187		138,187	U
76	0603884C	Ballistic Missile Defense Sensors	04	260,347	228,392		228,392	230,077		230,077	U
77	0603890C	BMD Enabling Programs	04	395,927	404,780		404,780	401,594		401,594	U
78	0603891C	Special Programs - MDA	04	301,201	400,387		400,387	321,607		321,607	U
79	0603892C	AEGIS BMD	04	761,646	830,647		830,647	959,066		959,066	U
80	0603893C	Space Tracking & Surveillance System	04	29,530	28,605		28,605	32,129		32,129	U
81	0603895C	Ballistic Missile Defense System Space Programs	04	7,560	21,507		21,507	20,690		20,690	U
82	0603896C	Ballistic Missile Defense Command and Control, Battle Management and Communicati	04	420,516	429,853		429,853	439,617		439,617	U
83	0603898C	Ballistic Missile Defense Joint Warfighter Support	04	44,220	47,898		47,898	47,776		47,776	U
84	0603904C	Missile Defense Integration & Operations Center (MDIOC)	04	53,972	47,939		47,939	54,750		54,750	U
85	0603906C	Regarding Trench	04	15,912	9,583		9,583	8,785		8,785	U
86	0603907C	Sea Based X-Band Radar (SBX)	04	64,610	71,266		71,266	68,787		68,787	U
87	0603913C	Israeli Cooperative Programs	04	268,842	267,595		267,595	103,835		103,835	U
88	0603914C	Ballistic Missile Defense Test	04	354,414	281,740		281,740	293,441		293,441	U
89	0603915C	Ballistic Missile Defense Targets	04	447,424	527,563		527,563	563,576		563,576	U

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90	0603920D8Z	Humanitarian Demining	04	9,930	10,110		10,110	10,007		10,007	U
91	0603923D8Z	Coalition Warfare	04	9,974	10,330		10,330	10,126		10,126	U
92	0604016D8Z	Department of Defense Corrosion Program	04	12,519	6,518		6,518	3,893		3,893	U
93	0604115C	Technology Maturation Initiatives	04		27,225		27,225	90,266		90,266	U
94	0604132D8Z	Missile Defeat Project	04					45,000		45,000	U
95	0604250D8Z	Advanced Innovative Technologies	04	170,872	468,881		468,881	844,870		844,870	U
96	0604342D8Z	Defense Technology Offset	04		75,000		75,000				U
97	0604400D8Z	Department of Defense (DoD) Unmanned System Common Development	04	7,574	7,786		7,786	3,320		3,320	U
98	0604445J	Wide Area Surveillance	04	59,823							U
99	0604682D8Z	Wargaming and Support for Strategic Analysis (SSA)	04					4,000		4,000	U
100	0604775D8Z	Defense Rapid Innovation Program	04	224,910	250,000		250,000				U
101	0604787J	Joint Systems Integration	04	3,150							U
102	0604826J	Joint C5 Capability Development, Integration and interoperability Assessments	04		21,700		21,700	23,642		23,642	U
103	0604828J	Joint FIRES Integration and Interoperability Team	04	2,447							U
104	0604873C	Long Range Discrimination Radar (LRDR)	04	49,606	137,564		137,564	162,012		162,012	U
105	0604874C	Improved Homeland Defense Interceptors	04	97,739	278,944		278,944	274,148		274,148	U
106	0604876C	Ballistic Missile Defense Terminal Defense Segment Test	04	109,394	26,225		26,225	63,444		63,444	U
107	0604878C	Aegis BMD Test	04	88,041	78,468		78,468	95,012		95,012	U

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108	0604879C	Ballistic Missile Defense Sensor Test	04	60,048	83,597		83,597	83,250		83,250	U
109	0604880C	Land-Based SM-3 (LBSM3)	04	121,413	34,970		34,970	43,293		43,293	U
110	0604881C	AEGIS SM-3 Block IIA Co-Development	04	259,278	172,645		172,645	106,038		106,038	U
111	0604887C	Ballistic Missile Defense Midcourse Segment Test	04	78,463	64,618		64,618	56,481		56,481	U
112	0604894C	Multi-Object Kill Vehicle	04					71,513		71,513	U
113	0605170D8Z	Support to Networks and Information Integration	04	12,477							U
114	0303191D8Z	Joint Electromagnetic Technology (JET) Program	04	2,650	2,656		2,656	2,636		2,636	U
115	0305103C	Cyber Security Initiative	04	944	963		963	969		969	U
		Advanced Component Development And Prototypes		6,234,147	7,199,010		7,199,010	6,919,519		6,919,519	
116	0604161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E SDD	05	7,775	8,783		8,783	10,324		10,324	U
117	0604165D8Z	Prompt Global Strike Capability Development	05	95,588	88,660		88,660	181,303		181,303	U
118	0604384BP	Chemical and Biological Defense Program - EMD	05	330,326	282,147		282,147	266,231		266,231	U
119	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	05	24,930	18,388		18,388				U
120	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	05	19,556	14,257		14,257	16,288		16,288	U
121	0605000BR	Weapons of Mass Destruction Defeat Capabilities	05	6,667	7,156		7,156	4,568		4,568	U
122	0605013BL	Information Technology Development	05	12,530	12,042		12,042	11,505		11,505	U
123	0605021SE	Homeland Personnel Security Initiative	05	286				1,658		1,658	U

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124	0605022D8Z	Defense Exportability Program	05	3,150	3,267		3,267	2,920		2,920	U
125	0605027D8Z	OUSD(C) IT Development Initiatives	05	6,300	4,962		4,962				U
126	0605070S	DOD Enterprise Systems Development and Demonstration	05	13,893	11,912		11,912	12,631		12,631	U
127	0605075D8Z	DCMO Policy and Integration	05	18,682	2,219		2,219				U
128	0605080S	Defense Agency Initiatives (DAI) - Financial System	05	35,497	31,660		31,660	26,657		26,657	U
129	0605090S	Defense Retired and Annuitant Pay System (DRAS)	05	9,801	10,135		10,135	4,949		4,949	U
130	0605140D8Z	Trusted Foundry	05					69,000		69,000	U
131	0605210D8Z	Defense-Wide Electronic Procurement Capabilities	05	9,227	7,209		7,209	9,881		9,881	U
132	0303141K	Global Combat Support System	05	14,240	14,294		14,294	7,600		7,600	U
133	0305304D8Z	DoD Enterprise Energy Information Management (EEIM)	05	3,538	4,406		4,406	2,703		2,703	U
		System Development And Demonstration		611,986	521,497		521,497	628,218		628,218	
134	0604774D8Z	Defense Readiness Reporting System (DRRS)	06	5,605	5,571		5,571	4,678		4,678	U
135	0604875D8Z	Joint Systems Architecture Development	06	2,986	3,076		3,076	4,499		4,499	U
136	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	06	234,011	213,668		213,668	219,199		219,199	U
137	0604942D8Z	Assessments and Evaluations	06	15,220	28,618		28,618	28,706		28,706	U
138	0605001E	Mission Support	06					69,244		69,244	U
139	0605100D8Z	Joint Mission Environment Test Capability (JMETC)	06	26,736	40,146		40,146	87,080		87,080	U

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140	0605104D8Z	Technical Studies, Support and Analysis	06	23,735	24,887		24,887	23,069		23,069	U
141	0605117D8Z	Foreign Materiel Acquisition and Exploitation	06	46,781							U
142	0605126J	Joint Integrated Air and Missile Defense Organization (JIAMDO)	06	39,795	33,983		33,983	32,759		32,759	U
143	0605128D8Z	Classified Program USD(P)	06	99,960	115,000		115,000				U
144	0605142D8Z	Systems Engineering	06	43,248	39,581		39,581	32,429		32,429	U
145	0605151D8Z	Studies and Analysis Support - OSD	06	2,645	2,710		2,710	3,797		3,797	U
146	0605161D8Z	Nuclear Matters-Physical Security	06	4,213	5,277		5,277	5,302		5,302	U
147	0605170D8Z	Support to Networks and Information Integration	06	27,012	5,279		5,279	7,246		7,246	U
148	0605200D8Z	General Support to USD (Intelligence)	06	2,846	1,686		1,686	1,874		1,874	U
149	0605384BP	Chemical and Biological Defense Program	06	104,597	102,238		102,238	85,754		85,754	U
150	0605502BP	Small Business Innovative Research - Chemical Biological Def	06	15,078							U
151	0605502BR	Small Business Innovation Research	06	9,606							U
152	0605502C	Small Business Innovation Research - MDA	06	89,507							U
153	0605502D8Z	Small Business Innovative Research	06	52,627							U
154	0605502E	Small Business Innovative Research	06	85,266							U
155	0605502KA	Small Business Innovative Research	06	400							U
156	0605502S	Small Business Innovative Research	06	5,711							U
157	0605502T	Small Business Innovative Research	06	409							U

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158	0605790D8Z	Small Business Innovation Research (SBIR)/ Small Business Technology Transfer	06	1,631	2,166		2,166	2,187		2,187	U
159	0605798D8Z	Defense Technology Analysis	06	21,357	115,933		115,933	22,650		22,650	U
160	0605801KA	Defense Technical Information Center (DTIC)	06	50,389	56,775		56,775	43,834		43,834	U
161	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	06	8,452	7,924		7,924	22,240		22,240	U
162	0605804D8Z	Development Test and Evaluation	06	18,833	21,337		21,337	19,541		19,541	U
163	0605898E	Management HQ - R&D	06	71,362	71,571		71,571	4,759		4,759	U
164	0605998KA	Management HQ - Defense Technical Information Center (DTIC)	06					4,400		4,400	U
165	0606100D8Z	Budget and Program Assessments	06	4,030	4,116		4,116	4,014		4,014	U
166	0203345D8Z	Defense Operations Security Initiative (DOSI)	06	1,900	1,943		1,943	2,072		2,072	U
167	0204571J	Joint Staff Analytical Support	06	16,404	5,983		5,983	7,464		7,464	U
170	0303166J	Support to Information Operations (IO) Capabilities	06	12,179	10,404		10,404	857		857	U
171	0303260D8Z	Defense Military Deception Program Office (DMDPO)	06		971		971	916		916	U
172	0305172K	Combined Advanced Applications	06					15,336		15,336	U
173	0305193D8Z	Cyber Intelligence	06	6,735	6,567		6,567	18,523		18,523	U
175	0804767D8Z	COCOM Exercise Engagement and Training Transformation (CE2T2) - MHA	06	38,266	42,679		42,679	34,384		34,384	U
176	0901598C	Management HQ - MDA	06	35,598	35,871		35,871	31,160		31,160	U
177	0901598D8W	Management Headquarters WHS	06	612							U

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178	0903230D8W	WHS - Mission Operations Support - IT	06		975		975				U
179	0903235D8W	Joint Service Provider (JSP)	06					827		827	U
180	0909999D8Z	Financing for Cancelled Account Adjustments	06	995							U
9999	9999999999	Classified Programs		44,346	49,500		49,500	56,799		56,799	U
		Management Support		1,271,083	1,056,435		1,056,435	897,599		897,599	
181	0604130V	Enterprise Security System (ESS)	07	3,988	5,929		5,929	4,241		4,241	U
182	0605127T	Regional International Outreach (RIO) and Partnership for Peace Information Mana	07	1,694	1,750		1,750	1,424		1,424	U
183	0605147T	Overseas Humanitarian Assistance Shared Information System (OHASIS)	07	275	294		294	287		287	U
184	0607210D8Z	Industrial Base Analysis and Sustainment Support	07	14,282	22,532		22,532	16,195		16,195	U
185	0607310D8Z	CWMD Systems: Operational Systems Development	07	2,849	1,898		1,898	4,194		4,194	U
186	0607327T	Global Theater Security Cooperation Management Information Systems (G-TSCMIS)	07	10,008	8,466		8,466	7,861		7,861	U
187	0607384BP	Chemical and Biological Defense (Operational Systems Development)	07	28,102	33,561		33,561	33,361		33,361	U
188	0607828J	Joint Integration and Interoperability	07	10,167							U
189	0208043J	Planning and Decision Aid System (PDAS)	07	3,296	1,842		1,842	3,038		3,038	U
190	0208045K	C4I Interoperability	07	62,902	63,341		63,341	57,501		57,501	U
192	0301144K	Joint/Allied Coalition Information Sharing	07	3,931	1,845		1,845	5,935		5,935	U

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Defense-Wide
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 Total Obligational Authority
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Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Se c
196	0302016K	National Military Command System-Wide Support	07	924	963		963	575		575	U
197	0302019K	Defense Info Infrastructure Engineering and Integration	07	12,680	10,120		10,120	18,041		18,041	U
198	0303126K	Long-Haul Communications - DCS	07	26,209	36,830		36,830	13,994		13,994	U
199	0303131K	Minimum Essential Emergency Communications Network (MEECN)	07	12,671	13,735		13,735	12,206		12,206	U
200	0303135G	Public Key Infrastructure (PKI)	07	222	6,101		6,101	34,314		34,314	U
201	0303136G	Key Management Infrastructure (KMI)	07	32,698	43,867		43,867	36,602		36,602	U
202	0303140D8Z	Information Systems Security Program	07	10,933	8,940		8,940	8,876		8,876	U
203	0303140G	Information Systems Security Program	07	138,854	161,890		161,890	159,068		159,068	U
204	0303150K	Global Command and Control System	07	30,536	21,503		21,503	24,438		24,438	U
205	0303153K	Defense Spectrum Organization	07	13,614	20,298		20,298	13,197		13,197	U
206	0303170K	Net-Centric Enterprise Services (NCES)	07	3,774	444		444				U
207	0303228K	Joint Information Environment (JIE)	07					2,789		2,789	U
208	0303260D8Z	Defense Military Deception Program Office (DMDPO)	07	925							U
209	0303430K	Federal Investigative Services Information Technology	07					75,000		75,000	U
210	0303610K	Teleport Program	07	3,158	1,736		1,736	657		657	U
211	0304210BB	Special Applications for Contingencies	07	14,818	65,060		65,060				U
215	0305103K	Cyber Security Initiative	07	3,085	2,976		2,976	1,553		1,553	U
216	0305125D8Z	Critical Infrastructure Protection (CIP)	07	8,702							U

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Defense-Wide
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Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Se
220	0305186D8Z	Policy R&D Programs	07	7,005	4,175		4,175	6,204		6,204	U
221	0305199D8Z	Net Centricity	07	23,229	18,095		18,095	17,971		17,971	U
223	0305208BB	Distributed Common Ground/Surface Systems	07	6,262	5,302		5,302	5,415		5,415	U
226	0305208K	Distributed Common Ground/Surface Systems	07	3,328	3,239		3,239	3,030		3,030	U
229	0305327V	Insider Threat	07	8,670	2,533		2,533	5,034		5,034	U
230	0305387D8Z	Homeland Defense Technology Transfer Program	07	2,088	2,116		2,116	2,037		2,037	U
234	0305889G	Counterdrug Intelligence Support	07	2,000							U
236	0307577D8Z	Intelligence Mission Data (IMD)	07					13,800		13,800	U
237	0708011S	Industrial Preparedness	07	20,405	22,605		22,605				U
238	0708012S	Pacific Disaster Centers	07	1,522	1,770		1,770	1,754		1,754	U
239	0708047S	Defense Property Accountability System	07					2,154		2,154	U
240	0902298J	Management HQ - OJCS	07	3,111	2,953		2,953	826		826	U
241	1105219BB	MQ-9 UAV	07	14,418	22,151		22,151	17,804		17,804	U
242	1105232BB	RQ-11 UAV	07	259	758		758				U
243	1160279BB	Small Business Innovative Research/ Small Bus Tech Transfer Pilot Prog	07	14,438							U
244	1160403BB	Aviation Systems	07	149,337	179,134		179,134	159,143		159,143	U
245	1160405BB	Intelligence Systems Development	07	9,490	6,866		6,866	7,958		7,958	U
246	1160408BB	Operational Enhancements	07	78,627	63,008		63,008	64,895		64,895	U
247	1160431BB	Warrior Systems	07	19,906	33,842		33,842	44,885		44,885	U
248	1160432BB	Special Programs	07	19,887	3,401		3,401	1,949		1,949	U

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Defense-Wide
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 Total Obligational Authority
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Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Element Number	Program Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Sec
249	1160434BB	Unmanned ISR	07					22,117		22,117	U
250	1160480BB	SOF Tactical Vehicles	07	3,553	3,212		3,212	3,316		3,316	U
251	1160483BB	Maritime Systems	07	58,656	59,597		59,597	54,577		54,577	U
252	1160489BB	Global Video Surveillance Activities	07	3,788	3,933		3,933	3,841		3,841	U
253	1160490BB	Operational Enhancements Intelligence	07	16,125	10,623		10,623	11,834		11,834	U
9999	9999999999	Classified Programs		3,237,524	3,426,936	137,087	3,564,023	3,270,515	162,419	3,432,934	U
		Operational System Development		4,158,925	4,412,170		4,549,257	4,256,406		4,418,825	
Total Research, Development, Test & Eval, DW				17,447,841	18,681,659	177,087	18,858,746	18,308,826		18,471,245	

Defense-Wide
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 Total Obligational Authority
 (Dollars in Thousands)

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<u>Summary Recap of Budget Activities</u>	<u>FY 2015 (Base & OCO)</u>	<u>FY 2016 Base Enacted</u>	<u>FY 2016 OCO Enacted</u>	<u>FY 2016 Total Enacted</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 Total</u>
Management Support	208,711	187,483		187,483	178,994		178,994
Total Research, Development, Test & Evaluation	208,711	187,483		187,483	178,994		178,994
 <u>Summary Recap of FYDP Programs</u>							
Research and Development	208,711	187,483		187,483	178,994		178,994
Total Research, Development, Test & Evaluation	208,711	187,483		187,483	178,994		178,994

Defense-Wide
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 Total Obligational Authority
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Appropriation: 0460D Operational Test & Eval, Defense

Line No	Element Number	Program Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Se c
1	06051180	TE Operational Test and Evaluation	06	93,223	76,838		76,838	78,047		78,047	U
2	06051310	TE Live Fire Test and Evaluation	06	45,142	46,882		46,882	48,316		48,316	U
3	06058140	TE Operational Test Activities and Analyses	06	70,346	63,763		63,763	52,631		52,631	U
		Management Support		208,711	187,483		187,483	178,994		178,994	
Total Operational Test & Eval, Defense				208,711	187,483		187,483	178,994		178,994	

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Chemical and Biological Defense Program
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 (Dollars in Thousands)

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Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Sec
7	0601384BP	Chemical and Biological Defense Program	01	45,720	47,761		47,761	44,800		44,800	U
		Basic Research		45,720	47,761		47,761	44,800		44,800	
15	0602384BP	Chemical and Biological Defense Program	02	212,538	202,611		202,611	188,715		188,715	U
		Applied Research		212,538	202,611		202,611	188,715		188,715	
42	0603384BP	Chemical and Biological Defense Program - Advanced Development	03	147,141	140,094		140,094	127,941		127,941	U
		Advanced Technology Development		147,141	140,094		140,094	127,941		127,941	
75	0603884BP	Chemical and Biological Defense Program - Dem/Val	04	180,962	170,354		170,354	138,187		138,187	U
		Advanced Component Development And Prototypes		180,962	170,354		170,354	138,187		138,187	
118	0604384BP	Chemical and Biological Defense Program - EMD	05	330,326	282,147		282,147	266,231		266,231	U
		System Development And Demonstration		330,326	282,147		282,147	266,231		266,231	
149	0605384BP	Chemical and Biological Defense Program	06	104,597	102,238		102,238	85,754		85,754	U
150	0605502BP	Small Business Innovative Research - Chemical Biological Def	06	15,078							U
		Management Support		119,675	102,238		102,238	85,754		85,754	
187	0607384BP	Chemical and Biological Defense (Operational Systems Development)	07	28,102	33,561		33,561	33,361		33,361	U
		Operational System Development		28,102	33,561		33,561	33,361		33,361	
Total Chemical and Biological Defense Program				1,064,464	978,766		978,766	884,989		884,989	

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Defense Advanced Research Projects Agency
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 Total Obligational Authority
 (Dollars in Thousands)

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Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	S e c
2	0601101E	Defense Research Sciences	01	322,030	333,119		333,119	362,297		362,297	U
4	0601117E	Basic Operational Medical Research Science	01	59,341	56,544		56,544	57,791		57,791	U
Basic Research				381,371	389,663		389,663	420,088		420,088	
9	0602115E	Biomedical Technology	02	164,589	114,262		114,262	115,213		115,213	U
13	0602303E	Information & Communications Technology	02	315,923	341,358		341,358	353,635		353,635	U
14	0602383E	Biological Warfare Defense	02	42,447	24,265		24,265	21,250		21,250	U
17	0602702E	Tactical Technology	02	299,787	302,582		302,582	313,843		313,843	U
18	0602715E	Materials and Biological Technology	02	144,409	206,115		206,115	220,456		220,456	U
19	0602716E	Electronics Technology	02	169,690	174,798		174,798	221,911		221,911	U
Applied Research				1,136,845	1,163,380		1,163,380	1,246,308		1,246,308	
36	0603286E	Advanced Aerospace Systems	03	123,292	173,631		173,631	182,327		182,327	U
37	0603287E	Space Programs and Technology	03	172,504	126,692		126,692	175,240		175,240	U
55	0603739E	Advanced Electronics Technologies	03	81,119	76,021		76,021	49,807		49,807	U
56	0603760E	Command, Control and Communications Systems	03	229,945	201,335		201,335	155,081		155,081	U
57	0603766E	Network-Centric Warfare Technology	03	350,323	425,861		425,861	428,894		428,894	U
58	0603767E	Sensor Technology	03	283,905	240,127		240,127	241,288		241,288	U
Advanced Technology Development				1,241,088	1,243,667		1,243,667	1,232,637		1,232,637	
138	0605001E	Mission Support	06					69,244		69,244	U
154	0605502E	Small Business Innovative Research	06	85,266							U
163	0605898E	Management HQ - R&D	06	71,362	71,571		71,571	4,759		4,759	U
Management Support				156,628	71,571		71,571	74,003		74,003	

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Defense Advanced Research Projects Agency
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 Total Obligational Authority
 (Dollars in Thousands)

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Appropriation: 0400D Research, Development, Test & Eval, DW

Line	Element	Program		FY 2015	FY 2016	FY 2016	FY 2016	FY 2017	FY 2017	FY 2017	S
<u>No</u>	<u>Number</u>	<u>Item</u>	<u>Act</u>	<u>(Base & OCO)</u>	<u>Base Enacted</u>	<u>OCO Enacted</u>	<u>Total Enacted</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>e</u>
				-----	-----	-----	-----	-----	-----	-----	
Total Defense Advanced Research Projects Agency				2,915,932	2,868,281		2,868,281	2,973,036		2,973,036	c

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Defense Contract Management Agency
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 (Dollars in Thousands)

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Appropriation: 0400D Research, Development, Test & Eval, DW

Line	Element	Program		FY 2015	FY 2016	FY 2016	FY 2016	FY 2017	FY 2017	FY 2017	S
<u>No</u>	<u>Number</u>	<u>Item</u>	<u>Act</u>	<u>(Base & OCO)</u>	<u>Base Enacted</u>	<u>OCO Enacted</u>	<u>Total Enacted</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>c</u>
122	0605013BL	Information Technology Development	05	12,530	12,042		12,042	11,505		11,505	U
		System Development And Demonstration		-----	-----	-----	-----	-----	-----	-----	
				12,530	12,042		12,042	11,505		11,505	
				-----	-----	-----	-----	-----	-----	-----	
		Total Defense Contract Management Agency		12,530	12,042		12,042	11,505		11,505	

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Defense Human Resources Activity
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Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Element Number	Program Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Sec
59	0603769SE	Distributed Learning Advanced Technology Development	03	10,692	10,771		10,771				U
		Advanced Technology Development		10,692	10,771		10,771				
123	0605021SE	Homeland Personnel Security Initiative	05	286				1,658		1,658	U
		System Development And Demonstration		286				1,658		1,658	
161	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	06	8,452	7,924		7,924	22,240		22,240	U
		Management Support		8,452	7,924		7,924	22,240		22,240	
Total Defense Human Resources Activity				19,430	18,695		18,695	23,898		23,898	

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Defense Information Systems Agency
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 Total Obligational Authority
 (Dollars in Thousands)

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Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	S e c
119	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	05	24,930	18,388		18,388				U
132	0303141K	Global Combat Support System	05	14,240	14,294		14,294	7,600		7,600	U
		System Development And Demonstration		39,170	32,682		32,682	7,600		7,600	
172	0305172K	Combined Advanced Applications	06					15,336		15,336	U
		Management Support						15,336		15,336	
190	0208045K	C4I Interoperability	07	62,902	63,341		63,341	57,501		57,501	U
192	0301144K	Joint/Allied Coalition Information Sharing	07	3,931	1,845		1,845	5,935		5,935	U
196	0302016K	National Military Command System-Wide Support	07	924	963		963	575		575	U
197	0302019K	Defense Info Infrastructure Engineering and Integration	07	12,680	10,120		10,120	18,041		18,041	U
198	0303126K	Long-Haul Communications - DCS	07	26,209	36,830		36,830	13,994		13,994	U
199	0303131K	Minimum Essential Emergency Communications Network (MEECN)	07	12,671	13,735		13,735	12,206		12,206	U
204	0303150K	Global Command and Control System	07	30,536	21,503		21,503	24,438		24,438	U
205	0303153K	Defense Spectrum Organization	07	13,614	20,298		20,298	13,197		13,197	U
206	0303170K	Net-Centric Enterprise Services (NCES)	07	3,774	444		444				U
207	0303228K	Joint Information Environment (JIE)	07					2,789		2,789	U
209	0303430K	Federal Investigative Services Information Technology	07					75,000		75,000	U
210	0303610K	Teleport Program	07	3,158	1,736		1,736	657		657	U
215	0305103K	Cyber Security Initiative	07	3,085	2,976		2,976	1,553		1,553	U

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Defense Information Systems Agency
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Appropriation: 0400D Research, Development, Test & Eval, DW

Line	Element	Program		FY 2015	FY 2016	FY 2016	FY 2016	FY 2017	FY 2017	FY 2017	S
<u>No</u>	<u>Number</u>	<u>Item</u>	<u>Act</u>	<u>(Base & OCO)</u>	<u>Base Enacted</u>	<u>OCO Enacted</u>	<u>Total Enacted</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>c</u>
226	0305208K	Distributed Common Ground/Surface Systems	07	3,328	3,239		3,239	3,030		3,030	U
		Operational System Development		176,812	177,030		177,030	228,916		228,916	
Total Defense Information Systems Agency				215,982	209,712		209,712	251,852		251,852	

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Defense Logistics Agency
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 Total Obligational Authority
 (Dollars in Thousands)

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Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Sec
34	0603264S	Agile Transportation for the 21st Century (AT21) - Theater Capability	03	1,460	1,706		1,706				U
48	0603680S	Manufacturing Technology Program	03					31,259		31,259	U
50	0603712S	Generic Logistics R&D Technology Demonstrations	03	22,224	15,537		15,537	11,011		11,011	U
51	0603713S	Deployment and Distribution Enterprise Technology	03	29,533	29,888		29,888				U
53	0603720S	Microelectronics Technology Development and Support	03	81,199	89,038		89,038	97,826		97,826	U
Advanced Technology Development				134,416	136,169		136,169	140,096		140,096	
126	0605070S	DOD Enterprise Systems Development and Demonstration	05	13,893	11,912		11,912	12,631		12,631	U
128	0605080S	Defense Agency Initiatives (DAI) - Financial System	05	35,497	31,660		31,660	26,657		26,657	U
129	0605090S	Defense Retired and Annuitant Pay System (DRAS)	05	9,801	10,135		10,135	4,949		4,949	U
System Development And Demonstration				59,191	53,707		53,707	44,237		44,237	
156	0605502S	Small Business Innovative Research	06	5,711							U
Management Support				5,711							
237	0708011S	Industrial Preparedness	07	20,405	22,605		22,605				U
238	0708012S	Pacific Disaster Centers	07	1,522	1,770		1,770	1,754		1,754	U
239	0708047S	Defense Property Accountability System	07					2,154		2,154	U
Operational System Development				21,927	24,375		24,375	3,908		3,908	
Total Defense Logistics Agency				221,245	214,251		214,251	188,241		188,241	

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Defense Security Cooperative Agency
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 Total Obligational Authority
 (Dollars in Thousands)

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Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Sec
157	0605502T	Small Business Innovative Research	06	409							U
		Management Support		409							
182	0605127T	Regional International Outreach (RIO) and Partnership for Peace Information Mana	07	1,694	1,750		1,750	1,424		1,424	U
183	0605147T	Overseas Humanitarian Assistance Shared Information System (OHASIS)	07	275	294		294	287		287	U
186	0607327T	Global Theater Security Cooperation Management Information Systems (G-TSCMIS)	07	10,008	8,466		8,466	7,861		7,861	U
		Operational System Development		11,977	10,510		10,510	9,572		9,572	
Total Defense Security Cooperative Agency				12,386	10,510		10,510	9,572		9,572	

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Defense Security Service
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 (Dollars in Thousands)

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Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Element Number	Program Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Sec
181	0604130V	Enterprise Security System (ESS)	07	3,988	5,929		5,929	4,241		4,241	U
229	0305327V	Insider Threat	07	8,670	2,533		2,533	5,034		5,034	U
		Operational System Development		12,658	8,462		8,462	9,275		9,275	
Total Defense Security Service				12,658	8,462		8,462	9,275		9,275	

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Defense Technical Information Center
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Line No	Element Number	Program Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Se c
155	0605502KA	Small Business Innovative Research	06	400							U
160	0605801KA	Defense Technical Information Center (DTIC)	06	50,389	56,775		56,775	43,834		43,834	U
164	0605998KA	Management HQ - Defense Technical Information Center (DTIC)	06					4,400		4,400	U
Management Support				50,789	56,775		56,775	48,234		48,234	
Total Defense Technical Information Center				50,789	56,775		56,775	48,234		48,234	

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Defense Threat Reduction Agency
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Line	Program Element	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	S e c
1	0601000BR	DTRA Basic Research Initiative	01	36,607	38,436		38,436	35,436		35,436	U
	Basic Research			36,607	38,436		38,436	35,436		35,436	
20	0602718BR	Weapons of Mass Destruction Defeat Technologies	02	147,019	152,915		152,915	154,857		154,857	U
	Applied Research			147,019	152,915		152,915	154,857		154,857	
27	0603160BR	Counterproliferation Initiatives - Proliferation Prevention and Defeat	03	287,903	290,310		290,310	266,444		266,444	U
	Advanced Technology Development			287,903	290,310		290,310	266,444		266,444	
121	0605000BR	Weapons of Mass Destruction Defeat Capabilities	05	6,667	7,156		7,156	4,568		4,568	U
	System Development And Demonstration			6,667	7,156		7,156	4,568		4,568	
151	0605502BR	Small Business Innovation Research	06	9,606							U
	Management Support			9,606							
Total Defense Threat Reduction Agency				487,802	488,817		488,817	461,305		461,305	

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Missile Defense Agency
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28	0603176C	Advanced Concepts and Performance Assessment	03	9,999	12,139		12,139	17,880		17,880	U
29	0603177C	Discrimination Sensor Technology	03	35,223	28,200		28,200				U
30	0603178C	Weapons Technology	03	61,396	51,153		51,153	71,843		71,843	U
31	0603179C	Advanced C4ISR	03	13,061	9,876		9,876	3,626		3,626	U
32	0603180C	Advanced Research	03	18,476	17,364		17,364	23,433		23,433	U
35	0603274C	Special Program - MDA Technology	03	43,439	13,908		13,908	83,745		83,745	U
40	0603294C	Common Kill Vehicle Technology	03	24,836	61,753		61,753				U
Advanced Technology Development				206,430	194,393		194,393	200,527		200,527	
73	0603881C	Ballistic Missile Defense Terminal Defense Segment	04	161,298	212,230		212,230	206,834		206,834	U
74	0603882C	Ballistic Missile Defense Midcourse Defense Segment	04	863,965	1,269,913		1,269,913	862,080		862,080	U
76	0603884C	Ballistic Missile Defense Sensors	04	260,347	228,392		228,392	230,077		230,077	U
77	0603890C	BMD Enabling Programs	04	395,927	404,780		404,780	401,594		401,594	U
78	0603891C	Special Programs - MDA	04	301,201	400,387		400,387	321,607		321,607	U
79	0603892C	AEGIS BMD	04	761,646	830,647		830,647	959,066		959,066	U
80	0603893C	Space Tracking & Surveillance System	04	29,530	28,605		28,605	32,129		32,129	U
81	0603895C	Ballistic Missile Defense System Space Programs	04	7,560	21,507		21,507	20,690		20,690	U
82	0603896C	Ballistic Missile Defense Command and Control, Battle Management and Communicati	04	420,516	429,853		429,853	439,617		439,617	U
83	0603898C	Ballistic Missile Defense Joint Warfighter Support	04	44,220	47,898		47,898	47,776		47,776	U

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Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Se c
84	0603904C	Missile Defense Integration & Operations Center (MDIOC)	04	53,972	47,939		47,939	54,750		54,750	U
85	0603906C	Regarding Trench	04	15,912	9,583		9,583	8,785		8,785	U
86	0603907C	Sea Based X-Band Radar (SBX)	04	64,610	71,266		71,266	68,787		68,787	U
87	0603913C	Israeli Cooperative Programs	04	268,842	267,595		267,595	103,835		103,835	U
88	0603914C	Ballistic Missile Defense Test	04	354,414	281,740		281,740	293,441		293,441	U
89	0603915C	Ballistic Missile Defense Targets	04	447,424	527,563		527,563	563,576		563,576	U
93	0604115C	Technology Maturation Initiatives	04		27,225		27,225	90,266		90,266	U
104	0604873C	Long Range Discrimination Radar (LRDR)	04	49,606	137,564		137,564	162,012		162,012	U
105	0604874C	Improved Homeland Defense Interceptors	04	97,739	278,944		278,944	274,148		274,148	U
106	0604876C	Ballistic Missile Defense Terminal Defense Segment Test	04	109,394	26,225		26,225	63,444		63,444	U
107	0604878C	Aegis BMD Test	04	88,041	78,468		78,468	95,012		95,012	U
108	0604879C	Ballistic Missile Defense Sensor Test	04	60,048	83,597		83,597	83,250		83,250	U
109	0604880C	Land-Based SM-3 (LBSM3)	04	121,413	34,970		34,970	43,293		43,293	U
110	0604881C	AEGIS SM-3 Block IIA Co-Development	04	259,278	172,645		172,645	106,038		106,038	U
111	0604887C	Ballistic Missile Defense Midcourse Segment Test	04	78,463	64,618		64,618	56,481		56,481	U
112	0604894C	Multi-Object Kill Vehicle	04					71,513		71,513	U
115	0305103C	Cyber Security Initiative	04	944	963		963	969		969	U
Advanced Component Development And Prototypes				5,316,310	5,985,117		5,985,117	5,661,070		5,661,070	
152	0605502C	Small Business Innovation Research - MDA	06	89,507							U

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Missile Defense Agency
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Line	Element	Program		FY 2015	FY 2016	FY 2016	FY 2016	FY 2017	FY 2017	FY 2017	S
<u>No</u>	<u>Number</u>	<u>Item</u>	<u>Act</u>	<u>(Base & OCO)</u>	<u>Base Enacted</u>	<u>OCO Enacted</u>	<u>Total Enacted</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>c</u>
176	0901598C	Management HQ - MDA	06	35,598	35,871		35,871	31,160		31,160	U
		Management Support		125,105	35,871		35,871	31,160		31,160	
Total Missile Defense Agency				5,647,845	6,215,381		6,215,381	5,892,757		5,892,757	

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National Security Agency
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Line No	Element Number	Program Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Se c
200	0303135G	Public Key Infrastructure (PKI)	07	222	6,101		6,101	34,314		34,314	U
201	0303136G	Key Management Infrastructure (KMI)	07	32,698	43,867		43,867	36,602		36,602	U
203	0303140G	Information Systems Security Program	07	138,854	161,890		161,890	159,068		159,068	U
234	0305889G	Counterdrug Intelligence Support	07	2,000							U
		Operational System Development		-----	-----	-----	-----	-----	-----	-----	
Total National Security Agency				-----	-----	-----	-----	-----	-----	-----	

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3	0601110D8Z	Basic Research Initiatives	01	41,054	71,940		71,940	36,654		36,654	U
5	0601120D8Z	National Defense Education Program	01	54,619	54,355		54,355	69,345		69,345	U
6	0601228D8Z	Historically Black Colleges and Universities/Minority Institutions	01	33,263	35,834		35,834	23,572		23,572	U
Basic Research				128,936	162,129		162,129	129,571		129,571	
8	0602000D8Z	Joint Munitions Technology	02	19,491	19,314		19,314	17,745		17,745	U
10	0602230D8Z	Defense Technology Innovation	02					30,000		30,000	U
11	0602234D8Z	Lincoln Laboratory Research Program	02	49,409	50,925		50,925	48,269		48,269	U
12	0602251D8Z	Applied Research for the Advancement of S&T Priorities	02	40,168	48,131		48,131	42,206		42,206	U
16	0602668D8Z	Cyber Security Research	02	17,748	13,701		13,701	12,183		12,183	U
21	0602751D8Z	Software Engineering Institute (SEI) Applied Research	02	8,844	8,807		8,807	8,420		8,420	U
Applied Research				135,660	140,878		140,878	158,823		158,823	
23	0603000D8Z	Joint Munitions Advanced Technology	03	24,132	25,864		25,864	23,902		23,902	U
24	0603121D8Z	SO/LIC Advanced Development	03	8,587							U
25	0603122D8Z	Combating Terrorism Technology Support	03	99,121	108,030	40,000	148,030	73,002		73,002	U
26	0603133D8Z	Foreign Comparative Testing	03	21,128	24,782		24,782	19,343		19,343	U
33	0603225D8Z	Joint DoD-DoE Munitions Technology Development	03	17,889	18,765		18,765	17,256		17,256	U
38	0603288D8Z	Analytic Assessments	03	13,299	14,645		14,645	12,048		12,048	U
39	0603289D8Z	Advanced Innovative Analysis and Concepts	03	48,760	50,030		50,030	57,020		57,020	U
41	0603375D8Z	Technology Innovation	03	10,000	25,000		25,000	39,923		39,923	U

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43	0603527D8Z	RETRACT LARCH	03		108,430		108,430	181,977		181,977	U
44	0603618D8Z	Joint Electronic Advanced Technology	03	10,757	30,879		30,879	22,030		22,030	U
45	0603648D8Z	Joint Capability Technology Demonstrations	03	116,234	132,258		132,258	148,184		148,184	U
46	0603662D8Z	Networked Communications Capabilities	03		5,967		5,967	9,331		9,331	U
47	0603680D8Z	Defense-Wide Manufacturing Science and Technology Program	03	88,135	156,743		156,743	158,398		158,398	U
49	0603699D8Z	Emerging Capabilities Technology Development	03	68,640	40,949		40,949	49,895		49,895	U
52	0603716D8Z	Strategic Environmental Research Program	03	54,357	55,705		55,705	65,078		65,078	U
54	0603727D8Z	Joint Warfighting Program	03	10,108	4,982		4,982	7,848		7,848	U
60	0603781D8Z	Software Engineering Institute	03	15,198	15,173		15,173	14,264		14,264	U
61	0603826D8Z	Quick Reaction Special Projects	03	55,821	70,320		70,320	74,943		74,943	U
62	0603832D8Z	DoD Modeling and Simulation Management Office	03	2,908							U
63	0603833D8Z	Engineering Science & Technology	03		18,341		18,341	17,659		17,659	U
64	0603941D8Z	Test & Evaluation Science & Technology	03	79,073	91,425		91,425	87,135		87,135	U
65	0604055D8Z	Operational Energy Capability Improvement	03	45,060	41,420		41,420	37,329		37,329	U
66	0303310D8Z	CWMD Systems	03	44,690	42,404		42,404	44,836		44,836	U
		Advanced Technology Development		833,897	1,082,112	40,000	1,122,112	1,161,401		1,161,401	
68	0603161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E ADC&P	04	40,088	31,648		31,648	28,498		28,498	U
69	0603600D8Z	WALKOFF	04	98,547	90,387		90,387	89,643		89,643	U

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70	0603714D8Z	Advanced Sensors Application Program	04	19,482	15,869		15,869				U
71	0603821D8Z	Acquisition Enterprise Data & Information Services	04					2,136		2,136	U
72	0603851D8Z	Environmental Security Technical Certification Program	04	62,432	52,654		52,654	52,491		52,491	U
90	0603920D8Z	Humanitarian Demining	04	9,930	10,110		10,110	10,007		10,007	U
91	0603923D8Z	Coalition Warfare	04	9,974	10,330		10,330	10,126		10,126	U
92	0604016D8Z	Department of Defense Corrosion Program	04	12,519	6,518		6,518	3,893		3,893	U
94	0604132D8Z	Missile Defeat Project	04					45,000		45,000	U
95	0604250D8Z	Advanced Innovative Technologies	04	170,872	468,881		468,881	844,870		844,870	U
96	0604342D8Z	Defense Technology Offset	04		75,000		75,000				U
97	0604400D8Z	Department of Defense (DoD) Unmanned System Common Development	04	7,574	7,786		7,786	3,320		3,320	U
99	0604682D8Z	Wargaming and Support for Strategic Analysis (SSA)	04					4,000		4,000	U
100	0604775D8Z	Defense Rapid Innovation Program	04	224,910	250,000		250,000				U
113	0605170D8Z	Support to Networks and Information Integration	04	12,477							U
114	0303191D8Z	Joint Electromagnetic Technology (JET) Program	04	2,650	2,656		2,656	2,636		2,636	U
Advanced Component Development And Prototypes				671,455	1,021,839		1,021,839	1,096,620		1,096,620	
116	0604161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E SDD	05	7,775	8,783		8,783	10,324		10,324	U
117	0604165D8Z	Prompt Global Strike Capability Development	05	95,588	88,660		88,660	181,303		181,303	U

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120	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	05	19,556	14,257		14,257	16,288		16,288	U
124	0605022D8Z	Defense Exportability Program	05	3,150	3,267		3,267	2,920		2,920	U
125	0605027D8Z	OUSD(C) IT Development Initiatives	05	6,300	4,962		4,962				U
127	0605075D8Z	DCMO Policy and Integration	05	18,682	2,219		2,219				U
130	0605140D8Z	Trusted Foundry	05					69,000		69,000	U
131	0605210D8Z	Defense-Wide Electronic Procurement Capabilities	05	9,227	7,209		7,209	9,881		9,881	U
133	0305304D8Z	DoD Enterprise Energy Information Management (EEIM)	05	3,538	4,406		4,406	2,703		2,703	U
System Development And Demonstration				163,816	133,763		133,763	292,419		292,419	
134	0604774D8Z	Defense Readiness Reporting System (DRRS)	06	5,605	5,571		5,571	4,678		4,678	U
135	0604875D8Z	Joint Systems Architecture Development	06	2,986	3,076		3,076	4,499		4,499	U
136	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	06	234,011	213,668		213,668	219,199		219,199	U
137	0604942D8Z	Assessments and Evaluations	06	15,220	28,618		28,618	28,706		28,706	U
139	0605100D8Z	Joint Mission Environment Test Capability (JMETC)	06	26,736	40,146		40,146	87,080		87,080	U
140	0605104D8Z	Technical Studies, Support and Analysis	06	23,735	24,887		24,887	23,069		23,069	U
141	0605117D8Z	Foreign Materiel Acquisition and Exploitation	06	46,781							U
143	0605128D8Z	Classified Program USD(P)	06	99,960	115,000		115,000				U
144	0605142D8Z	Systems Engineering	06	43,248	39,581		39,581	32,429		32,429	U
145	0605151D8Z	Studies and Analysis Support - OSD	06	2,645	2,710		2,710	3,797		3,797	U

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146	0605161D8Z	Nuclear Matters-Physical Security	06	4,213	5,277		5,277	5,302		5,302	U
147	0605170D8Z	Support to Networks and Information Integration	06	27,012	5,279		5,279	7,246		7,246	U
148	0605200D8Z	General Support to USD (Intelligence)	06	2,846	1,686		1,686	1,874		1,874	U
153	0605502D8Z	Small Business Innovative Research	06	52,627							U
158	0605790D8Z	Small Business Innovation Research (SBIR)/ Small Business Technology Transfer	06	1,631	2,166		2,166	2,187		2,187	U
159	0605798D8Z	Defense Technology Analysis	06	21,357	115,933		115,933	22,650		22,650	U
162	0605804D8Z	Development Test and Evaluation	06	18,833	21,337		21,337	19,541		19,541	U
165	0606100D8Z	Budget and Program Assessments	06	4,030	4,116		4,116	4,014		4,014	U
166	0203345D8Z	Defense Operations Security Initiative (DOSI)	06	1,900	1,943		1,943	2,072		2,072	U
171	0303260D8Z	Defense Military Deception Program Office (DMDPO)	06		971		971	916		916	U
173	0305193D8Z	Cyber Intelligence	06	6,735	6,567		6,567	18,523		18,523	U
175	0804767D8Z	COCOM Exercise Engagement and Training Transformation (CE2T2) - MHA	06	38,266	42,679		42,679	34,384		34,384	U
180	0909999D8Z	Financing for Cancelled Account Adjustments	06	995							U
	Management Support			681,372	681,211		681,211	522,166		522,166	
184	0607210D8Z	Industrial Base Analysis and Sustainment Support	07	14,282	22,532		22,532	16,195		16,195	U
185	0607310D8Z	CWMD Systems: Operational Systems Development	07	2,849	1,898		1,898	4,194		4,194	U
202	0303140D8Z	Information Systems Security Program	07	10,933	8,940		8,940	8,876		8,876	U

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208	0303260D8Z	Defense Military Deception Program Office (DMDPO)	07	925							U
216	0305125D8Z	Critical Infrastructure Protection (CIP)	07	8,702							U
220	0305186D8Z	Policy R&D Programs	07	7,005	4,175		4,175	6,204		6,204	U
221	0305199D8Z	Net Centricity	07	23,229	18,095		18,095	17,971		17,971	U
230	0305387D8Z	Homeland Defense Technology Transfer Program	07	2,088	2,116		2,116	2,037		2,037	U
236	0307577D8Z	Intelligence Mission Data (IMD)	07					13,800		13,800	U
	Operational System Development			70,013	57,756		57,756	69,277		69,277	
Total Office of Secretary of Defense				2,685,149	3,279,688	40,000	3,319,688	3,430,277		3,430,277	

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U.S., Special Operations Command
 FY 2017 President's Budget
 Exhibit R-1 FY 2017 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

FEB 2016

Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Sec
22	1160401BB	SOF Technology Development	02	35,559	37,517		37,517	37,820		37,820	U
Applied Research				35,559	37,517		37,517	37,820		37,820	
67	1160402BB	SOF Advanced Technology Development	03	49,878	59,741		59,741	61,620		61,620	U
Advanced Technology Development				49,878	59,741		59,741	61,620		61,620	
211	0304210BB	Special Applications for Contingencies	07	14,818	65,060		65,060				U
223	0305208BB	Distributed Common Ground/Surface Systems	07	6,262	5,302		5,302	5,415		5,415	U
241	1105219BB	MQ-9 UAV	07	14,418	22,151		22,151	17,804		17,804	U
242	1105232BB	RQ-11 UAV	07	259	758		758				U
243	1160279BB	Small Business Innovative Research/ Small Bus Tech Transfer Pilot Prog	07	14,438							U
244	1160403BB	Aviation Systems	07	149,337	179,134		179,134	159,143		159,143	U
245	1160405BB	Intelligence Systems Development	07	9,490	6,866		6,866	7,958		7,958	U
246	1160408BB	Operational Enhancements	07	78,627	63,008		63,008	64,895		64,895	U
247	1160431BB	Warrior Systems	07	19,906	33,842		33,842	44,885		44,885	U
248	1160432BB	Special Programs	07	19,887	3,401		3,401	1,949		1,949	U
249	1160434BB	Unmanned ISR	07					22,117		22,117	U
250	1160480BB	SOF Tactical Vehicles	07	3,553	3,212		3,212	3,316		3,316	U
251	1160483BB	Maritime Systems	07	58,656	59,597		59,597	54,577		54,577	U
252	1160489BB	Global Video Surveillance Activities	07	3,788	3,933		3,933	3,841		3,841	U
253	1160490BB	Operational Enhancements Intelligence	07	16,125	10,623		10,623	11,834		11,834	U
Operational System Development				409,564	456,887		456,887	397,734		397,734	

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U.S., Special Operations Command
 FY 2017 President's Budget
 Exhibit R-1 FY 2017 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

FEB 2016

Appropriation: 0400D Research, Development, Test & Eval, DW

Line	Element	Program		FY 2015	FY 2016	FY 2016	FY 2016	FY 2017	FY 2017	FY 2017	S
<u>No</u>	<u>Number</u>	<u>Item</u>	<u>Act</u>	<u>(Base & OCO)</u>	<u>Base Enacted</u>	<u>OCO Enacted</u>	<u>Total Enacted</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>e</u>
											<u>c</u>
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Total U.S., Special Operations Command				495,001	554,145		554,145	497,174		497,174	

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The Joint Staff
 FY 2017 President's Budget
 Exhibit R-1 FY 2017 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

FEB 2016

Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Sec
98	0604445J	Wide Area Surveillance	04	59,823							U
101	0604787J	Joint Systems Integration	04	3,150							U
102	0604826J	Joint C5 Capability Development, Integration and interoperability Assessments	04		21,700		21,700	23,642		23,642	U
103	0604828J	Joint FIRES Integration and Interoperability Team	04	2,447							U
Advanced Component Development And Prototypes				65,420	21,700		21,700	23,642		23,642	
142	0605126J	Joint Integrated Air and Missile Defense Organization (JIAMDO)	06	39,795	33,983		33,983	32,759		32,759	U
167	0204571J	Joint Staff Analytical Support	06	16,404	5,983		5,983	7,464		7,464	U
170	0303166J	Support to Information Operations (IO) Capabilities	06	12,179	10,404		10,404	857		857	U
Management Support				68,378	50,370		50,370	41,080		41,080	
188	0607828J	Joint Integration and Interoperability	07	10,167							U
189	0208043J	Planning and Decision Aid System (PDAS)	07	3,296	1,842		1,842	3,038		3,038	U
240	0902298J	Management HQ - OJCS	07	3,111	2,953		2,953	826		826	U
Operational System Development				16,574	4,795		4,795	3,864		3,864	
Total The Joint Staff				150,372	76,865		76,865	68,586		68,586	

Washington Headquarters Services
 FY 2017 President's Budget
 Exhibit R-1 FY 2017 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

FEB 2016

Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Element Number	Program Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Sec
177	0901598D8W	Management Headquarters WHS	06	612							U
178	0903230D8W	WHS - Mission Operations Support - IT	06		975		975				U
179	0903235D8W	Joint Service Provider (JSP)	06					827		827	U
		Management Support		612	975		975	827		827	
Total Washington Headquarters Services				612	975		975	827		827	

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Inspector General
 FY 2017 President's Budget
 Exhibit R-1 FY 2017 President's Budget
 Non RDT&E Title
 (Dollars in Thousands)

FEB 2016

<u>Summary Recap of Budget Activities</u>	<u>FY 2015 (Base & OCO)</u>	<u>FY 2016 Base Enacted</u>	<u>FY 2016 OCO Enacted</u>	<u>FY 2016 Total Enacted</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 Total</u>
RDT&E	1,400	2,100		2,100	3,153		3,153
Total Research, Development, Test & Evaluation	1,400	2,100		2,100	3,153		3,153
 <u>Summary Recap of Non-RDT&E Title FYDP Programs</u>							
Administration and Associated Activities	1,400	2,100		2,100	3,153		3,153
Total Research, Development, Test & Evaluation	1,400	2,100		2,100	3,153		3,153

Inspector General
 FY 2017 President's Budget
 Exhibit R-1 FY 2017 President's Budget
 Non RDT&E Title
 (Dollars in Thousands)

FEB 2016

Appropriation: 0107D Office of the Inspector General

Line No	Element Number	Program Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Sec
1	0901517X	Inspector General, DoD, Audit, Intelligence and Non-Criminal Investigative Activ	02	1,400	2,100		2,100	3,153		3,153	U
		RDT&E		1,400	2,100		2,100	3,153		3,153	
Total Office of the Inspector General				1,400	2,100		2,100	3,153		3,153	

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Defense Health Agency
 FY 2017 President's Budget
 Exhibit R-1 FY 2017 President's Budget
 Non RDT&E Title
 (Dollars in Thousands)

FEB 2016

	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total
<u>Summary Recap of Budget Activities</u>							
RDT&E	1,698,615	2,121,452		2,121,452	822,907		822,907
Total Research, Development, Test & Evaluation	1,698,615	2,121,452		2,121,452	822,907		822,907
<u>Summary Recap of Non-RDT&E Title FYDP Programs</u>							
Research and Development	1,698,615	2,121,452		2,121,452	822,907		822,907
Total Research, Development, Test & Evaluation	1,698,615	2,121,452		2,121,452	822,907		822,907

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Defense Health Agency
 FY 2017 President's Budget
 Exhibit R-1 FY 2017 President's Budget
 Non RDT&E Title
 (Dollars in Thousands)

FEB 2016

Appropriation: 0130D Defense Health Program

Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Sec
1	0601101DHA	In-House Laboratory Independent Research	02	2,904	4,599		4,599	2,653		2,653	U
2	0601117DHA	Basic Operational Medical Research Science	02	8,282	9,558		9,558	6,444		6,444	U
3	0602115DHA	Applied Biomedical Technology	02	67,237	75,155		75,155	57,275		57,275	U
4	0602787DHA	Medical Technology	02	1,145	1,222		1,222	1,242		1,242	U
5	0603002DHA	Medical Advanced Technology	02	286	305		305	310		310	U
6	0603115DHA	Medical Development	02	1,177,334	1,272,109		1,272,109	220,916		220,916	U
7	0604110DHA	Medical Products Support and Advanced Concept Development	02	146,411	175,518		175,518	96,602		96,602	U
8	0605013DHA	Information Technology Development	02	19,399	19,312		19,312	25,340		25,340	U
9	0605023DHA	Information Technology Development - Integrated Electronic Health Record	02	28,514	248		248				U
10	0605025DHA	Information Technology Development ? Theater Medical Information Program-Joint	02	21,403	22,100		22,100				U
11	0605026DHA	Information Technology Development- DoD Healthcare Management System Modernizati	02	88,744	438,376		438,376	298,623		298,623	U
12	0605039DHA	DoD Medical Information Exchange and Interoperability	02		11,000		11,000				U
13	0605045DHA	Joint Operational Medicine Information System	02					22,140		22,140	U
14	0605145DHA	Medical Products and Support Systems Development	02	25,383	16,787		16,787	17,954		17,954	U
15	0605502HP	Small Business Innovative Research	02	57,108							U
16	0606105DHA	Medical Program-Wide Activities	02	38,052	57,807		57,807	58,410		58,410	U

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Defense Health Agency
 FY 2017 President's Budget
 Exhibit R-1 FY 2017 President's Budget
 Non RDT&E Title
 (Dollars in Thousands)

FEB 2016

Appropriation: 0130D Defense Health Program

Line No	Element Number	Program Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Se c
17	0607100DHA	Medical Products and Capabilities Enhancement Activities	02	16,413	17,356		17,356	14,998		14,998	U
		RDT&E		1,698,615	2,121,452		2,121,452	822,907		822,907	
Total Defense Health Program				1,698,615	2,121,452		2,121,452	822,907		822,907	

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Department of the Army
 FY 2017 President's Budget
 Exhibit R-1 FY 2017 President's Budget
 Non RDT&E Title
 (Dollars in Thousands)

FEB 2016

	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total
<u>Summary Recap of Budget Activities</u>							
Research, Development, Test, And Evaluation	595,913	579,342		579,342	388,609		388,609
Total Research, Development, Test & Evaluation	595,913	579,342		579,342	388,609		388,609
<u>Summary Recap of Non-RDT&E Title FYDP Programs</u>							
Central Supply and Maintenance	595,913	579,342		579,342	388,609		388,609
Total Research, Development, Test & Evaluation	595,913	579,342		579,342	388,609		388,609

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Department of the Army
 FY 2017 President's Budget
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 Non RDT&E Title
 (Dollars in Thousands)

FEB 2016

Appropriation: 0390D Chem Agents & Munitions Destruction

Line No	Element Number	Program Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Se c
1	0708081D	Chemical Materials Agency	02	20,105	10,003		10,003	7,717		7,717	U
2	0708083D	Assembled Chemical Weapons Alternatives	02	575,808	569,339		569,339	380,892		380,892	U
		Research, Development, Test, And Evaluation		595,913	579,342		579,342	388,609		388,609	
Total Chem Agents & Munitions Destruction				595,913	579,342		579,342	388,609		388,609	

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Department of the Navy
 FY 2017 President's Budget
 Exhibit R-1 FY 2017 President's Budget
 Non RDT&E Title
 (Dollars in Thousands)

FEB 2016

	FY 2015 <u>(Base & OCO)</u>	FY 2016 <u>Base Enacted</u>	FY 2016 <u>OCO Enacted</u>	FY 2016 <u>Total Enacted</u>	FY 2017 <u>Base</u>	FY 2017 <u>OCO</u>	FY 2017 <u>Total</u>
<u>Summary Recap of Budget Activities</u>							
Research and Development	21,620	25,197		25,197			
Total Research, Development, Test & Evaluation	21,620	25,197		25,197			
<u>Summary Recap of Non-RDT&E Title FYDP Programs</u>							
Mobility Forces	21,620	25,197		25,197			
Total Research, Development, Test & Evaluation	21,620	25,197		25,197			

Department of the Navy
 FY 2017 President's Budget
 Exhibit R-1 FY 2017 President's Budget
 Non RDT&E Title
 (Dollars in Thousands)

FEB 2016

Appropriation: 4557N National Defense Sealift Fund

Line	Element	Program		FY 2015	FY 2016	FY 2016	FY 2016	FY 2017	FY 2017	FY 2017	S
<u>No</u>	<u>Number</u>	<u>Item</u>	<u>Act</u>	<u>(Base & OCO)</u>	<u>Base Enacted</u>	<u>OCO Enacted</u>	<u>Total Enacted</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>c</u>
1	0408042N	National Defense Sealift Fund	04	21,620	25,197		25,197				U
		Research and Development		21,620	25,197		25,197				
Total National Defense Sealift Fund				21,620	25,197		25,197				