

# **RDT&E PROGRAMS (R-1)**



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*Department of Defense Budget*  
*Budget Amendment to the Fiscal Year 2017 President's Budget Request for*  
*Overseas Contingency Operations (OCO)*  
*Nov 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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Department of Defense  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
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 Total Obligational Authority  
 (Dollars in Thousands)

Nov 2016

<u>Appropriation</u>	<u>FY 2015 (Base &amp; OCO)</u>	<u>FY 2016 Base Enacted</u>	<u>FY 2016 OCO Enacted</u>	<u>FY 2016 Total Enacted</u>
Research, Development, Test & Eval, Army	6,744,134	7,562,170	1,500	7,563,670
Research, Development, Test & Eval, Navy	16,067,423	18,111,247	35,747	18,146,994
Research, Development, Test & Eval, AF	23,619,928	25,194,457	17,100	25,211,557
Research, Development, Test & Eval, DW	17,447,841	18,681,659	177,087	18,858,746
Operational Test & Eval, Defense	208,711	187,483		187,483
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>64,088,037</b>	<b>69,737,016</b>	<b>231,434</b>	<b>69,968,450</b>
 <u>Other RDT&amp;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
Defense Health Program	1,698,615	2,121,452		2,121,452
Chem Agents & Munitions Destruction	595,913	579,342		579,342
National Defense Sealift Fund	21,620	25,197		25,197
<b>Total Not in Research, Development, Test &amp; Evaluation Title</b>	<b>2,317,548</b>	<b>2,728,091</b>		<b>2,728,091</b>

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Nov 2016

<u>Appropriation</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 OCO Amendment</u>	<u>FY 2017 Total</u>
Research, Development, Test & Eval, Army	7,515,399	100,522	139,200	7,755,121
Research, Development, Test & Eval, Navy	17,276,301	78,323		17,354,624
Research, Development, Test & Eval, AF	28,112,251	32,905		28,145,156
Research, Development, Test & Eval, DW	18,308,826	162,419	3,000	18,474,245
Operational Test & Eval, Defense	178,994			178,994
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>71,391,771</b>	<b>374,169</b>	<b>142,200</b>	<b>71,908,140</b>
 <u>Other RDT&amp;E Budget Activities Not Included in the Research, Development, Test and Evaluation Title</u>				
Office of the Inspector General	3,153			3,153
Defense Health Program	822,907			822,907
Chem Agents & Munitions Destruction	388,609			388,609
National Defense Sealift Fund				
<b>Total Not in Research, Development, Test &amp; Evaluation Title</b>	<b>1,214,669</b>			<b>1,214,669</b>

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<u>Summary Recap of Budget Activities</u>	<u>FY 2015 (Base &amp; OCO)</u>	<u>FY 2016 Base Enacted</u>	<u>FY 2016 OCO Enacted</u>	<u>FY 2016 Total Enacted</u>
Basic Research	2,213,498	2,309,196		2,309,196
Applied Research	4,577,986	4,996,199		4,996,199
Advanced Technology Development	5,232,528	5,691,164	40,000	5,731,164
Advanced Component Development & Prototypes	12,252,328	14,288,756	1,500	14,290,256
System Development & Demonstration	10,853,343	12,789,090		12,789,090
RDT&E Management Support	5,419,247	4,417,389		4,417,389
Operational Systems Development	23,539,107	25,245,222	189,934	25,435,156
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>64,088,037</b>	<b>69,737,016</b>	<b>231,434</b>	<b>69,968,450</b>
 <u>Summary Recap of FYDP Programs</u>				
Strategic Forces	599,359	770,242		770,242
General Purpose Forces	3,586,870	3,787,731	300	3,788,031
Intelligence and Communications	3,006,937	2,974,173		2,974,173
Mobility Forces	223,007	303,822		303,822
Research and Development	40,174,781	43,949,521	41,500	43,991,021
Central Supply and Maintenance	245,298	224,770		224,770
Training Medical and Other	40,804	45,951		45,951
Administration and Associated Activities	148,936	150,500		150,500
Support of Other Nations	3,790	2,315		2,315
Special Operations Forces	473,921	483,783		483,783
Classified Programs	15,584,334	17,044,208	189,634	17,233,842
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>64,088,037</b>	<b>69,737,016</b>	<b>231,434</b>	<b>69,968,450</b>

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Nov 2016

<u>Summary Recap of Budget Activities</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 OCO Amendment</u>	<u>FY 2017 Total</u>
Basic Research	2,101,832			2,101,832
Applied Research	4,815,400			4,815,400
Advanced Technology Development	5,583,524			5,583,524
Advanced Component Development & Prototypes	14,980,854	51,272		15,032,126
System Development & Demonstration	12,994,771	84,468	139,200	13,218,439
RDT&E Management Support	4,312,040			4,312,040
Operational Systems Development	26,603,350	238,429	3,000	26,844,779
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>71,391,771</b>	<b>374,169</b>	<b>142,200</b>	<b>71,908,140</b>
 <u>Summary Recap of FYDP Programs</u>				
Strategic Forces	833,671			833,671
General Purpose Forces	4,339,059			4,339,059
Intelligence and Communications	3,357,316	11,819		3,369,135
Mobility Forces	505,020			505,020
Research and Development	43,882,736	135,740	139,200	44,157,676
Central Supply and Maintenance	224,718			224,718
Training Medical and Other	37,498			37,498
Administration and Associated Activities	63,254			63,254
Support of Other Nations	4,784			4,784
Special Operations Forces	491,759			491,759
Classified Programs	17,651,956	226,610	3,000	17,881,566
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>71,391,771</b>	<b>374,169</b>	<b>142,200</b>	<b>71,908,140</b>

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Nov 2016

	<u>FY 2015</u> <u>(Base &amp; 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>Summary Recap of Non-RDT&amp;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
Central Supply and Maintenance	595,913	579,342		579,342
Administration and Associated Activities	1,400	2,100		2,100
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>2,317,548</b>	<b>2,728,091</b>		<b>2,728,091</b>

Department of Defense  
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 Total Obligational Authority  
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Nov 2016

	<u>FY 2017</u> <u>Base</u>	<u>FY 2017</u> <u>OCO</u>	<u>FY 2017</u> <u>OCO Amendment</u>	<u>FY 2017</u> <u>Total</u>
<u>Summary Recap of Non-RDT&amp;E Title FYDP Programs</u>				
Mobility Forces				
Research and Development	822,907			822,907
Central Supply and Maintenance	388,609			388,609
Administration and Associated Activities	3,153			3,153
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>1,214,669</b>			<b>1,214,669</b>

Department of the Army  
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<u>Summary Recap of Budget Activities</u>	<u>FY 2015 (Base &amp; OCO)</u>	<u>FY 2016 Base Enacted</u>	<u>FY 2016 OCO Enacted</u>	<u>FY 2016 Total Enacted</u>
Basic Research	447,868	469,079		469,079
Applied Research	964,085	1,092,885		1,092,885
Advanced Technology Development	1,089,087	1,127,304		1,127,304
Advanced Component Development & Prototypes	298,467	506,123	1,500	507,623
System Development & Demonstration	1,604,756	2,085,147		2,085,147
RDT&E Management Support	1,166,015	1,070,581		1,070,581
Operational Systems Development	1,173,856	1,211,051		1,211,051
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>6,744,134</b>	<b>7,562,170</b>	<b>1,500</b>	<b>7,563,670</b>
 <u>Summary Recap of FYDP Programs</u>				
General Purpose Forces	705,451	779,716		779,716
Intelligence and Communications	162,187	171,857		171,857
Research and Development	5,788,542	6,545,639	1,500	6,547,139
Central Supply and Maintenance	73,419	60,422		60,422
Administration and Associated Activities	233			
Classified Programs	14,302	4,536		4,536
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>6,744,134</b>	<b>7,562,170</b>	<b>1,500</b>	<b>7,563,670</b>

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<u>Summary Recap of Budget Activities</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 OCO Amendment</u>	<u>FY 2017 Total</u>
Basic Research	428,943			428,943
Applied Research	907,574			907,574
Advanced Technology Development	930,065			930,065
Advanced Component Development & Prototypes	550,635	9,375		560,010
System Development & Demonstration	2,265,094	84,043	139,200	2,488,337
RDT&E Management Support	1,136,134			1,136,134
Operational Systems Development	1,296,954	7,104		1,304,058
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>7,515,399</b>	<b>100,522</b>	<b>139,200</b>	<b>7,755,121</b>
 <u>Summary Recap of FYDP Programs</u>				
General Purpose Forces	618,038			618,038
Intelligence and Communications	238,711	7,104		245,815
Research and Development	6,591,738	93,418	139,200	6,824,356
Central Supply and Maintenance	62,287			62,287
Administration and Associated Activities				
Classified Programs	4,625			4,625
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>7,515,399</b>	<b>100,522</b>	<b>139,200</b>	<b>7,755,121</b>

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 Total Obligational Authority  
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Nov 2016

Appropriation: 2040A Research, Development, Test &amp; 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	Se
1	0601101A	In-House Laboratory Independent Research	01	13,125	13,018		13,018	U
2	0601102A	Defense Research Sciences	01	249,855	279,118		279,118	U
3	0601103A	University Research Initiatives	01	79,122	72,603		72,603	U
4	0601104A	University and Industry Research Centers	01	105,766	104,340		104,340	U
		<b>Basic Research</b>		<b>447,868</b>	<b>469,079</b>		<b>469,079</b>	
5	0602105A	Materials Technology	02	45,563	68,314		68,314	U
6	0602120A	Sensors and Electronic Survivability	02	45,792	58,374		58,374	U
7	0602122A	TRACTOR HIP	02	16,358	6,879		6,879	U
8	0602211A	Aviation Technology	02	62,046	56,884		56,884	U
9	0602270A	Electronic Warfare Technology	02	19,333	19,243		19,243	U
10	0602303A	Missile Technology	02	61,144	53,553		53,553	U
11	0602307A	Advanced Weapons Technology	02	37,464	38,028		38,028	U
12	0602308A	Advanced Concepts and Simulation	02	26,505	27,862		27,862	U
13	0602601A	Combat Vehicle and Automotive Technology	02	71,811	98,439		98,439	U
14	0602618A	Ballistics Technology	02	83,610	117,801		117,801	U
15	0602622A	Chemical, Smoke and Equipment Defeating Technology	02	3,865	3,866		3,866	U
16	0602623A	Joint Service Small Arms Program	02	6,633	5,487		5,487	U
17	0602624A	Weapons and Munitions Technology	02	62,131	83,340		83,340	U
18	0602705A	Electronics and Electronic Devices	02	72,442	64,301		64,301	U
19	0602709A	Night Vision Technology	02	44,694	38,807		38,807	U
20	0602712A	Countermines Systems	02	28,597	36,568		36,568	U
21	0602716A	Human Factors Engineering Technology	02	23,434	23,681		23,681	U

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Nov 2016

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

Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
1	0601101A	In-House Laboratory Independent Research	01	12,381			12,381	U
2	0601102A	Defense Research Sciences	01	253,116			253,116	U
3	0601103A	University Research Initiatives	01	69,166			69,166	U
4	0601104A	University and Industry Research Centers	01	94,280			94,280	U
		<b>Basic Research</b>		<b>428,943</b>			<b>428,943</b>	
5	0602105A	Materials Technology	02	31,533			31,533	U
6	0602120A	Sensors and Electronic Survivability	02	36,109			36,109	U
7	0602122A	TRACTOR HIP	02	6,995			6,995	U
8	0602211A	Aviation Technology	02	65,914			65,914	U
9	0602270A	Electronic Warfare Technology	02	25,466			25,466	U
10	0602303A	Missile Technology	02	44,313			44,313	U
11	0602307A	Advanced Weapons Technology	02	28,803			28,803	U
12	0602308A	Advanced Concepts and Simulation	02	27,688			27,688	U
13	0602601A	Combat Vehicle and Automotive Technology	02	67,959			67,959	U
14	0602618A	Ballistics Technology	02	85,436			85,436	U
15	0602622A	Chemical, Smoke and Equipment Defeating Technology	02	3,923			3,923	U
16	0602623A	Joint Service Small Arms Program	02	5,545			5,545	U
17	0602624A	Weapons and Munitions Technology	02	53,581			53,581	U
18	0602705A	Electronics and Electronic Devices	02	56,322			56,322	U
19	0602709A	Night Vision Technology	02	36,079			36,079	U
20	0602712A	Countermining Systems	02	26,497			26,497	U
21	0602716A	Human Factors Engineering Technology	02	23,671			23,671	U

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Appropriation: 2040A Research, Development, Test &amp; 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	Se
22	0602720A	Environmental Quality Technology	02	15,288	20,850		20,850	U
23	0602782A	Command, Control, Communications Technology	02	33,117	36,160		36,160	U
24	0602783A	Computer and Software Technology	02	10,514	12,656		12,656	U
25	0602784A	Military Engineering Technology	02	66,582	80,909		80,909	U
26	0602785A	Manpower/Personnel/Training Technology	02	21,280	24,735		24,735	U
27	0602786A	Warfighter Technology	02	31,597	39,295		39,295	U
28	0602787A	Medical Technology	02	74,285	76,853		76,853	U
		<b>Applied Research</b>		<b>964,085</b>	<b>1,092,885</b>		<b>1,092,885</b>	
29	0603001A	Warfighter Advanced Technology	03	75,833	55,973		55,973	U
30	0603002A	Medical Advanced Technology	03	104,997	108,584		108,584	U
31	0603003A	Aviation Advanced Technology	03	99,762	103,136		103,136	U
32	0603004A	Weapons and Munitions Advanced Technology	03	72,176	82,663		82,663	U
33	0603005A	Combat Vehicle and Automotive Advanced Technology	03	143,606	135,571		135,571	U
34	0603006A	Space Application Advanced Technology	03	6,664	5,554		5,554	U
35	0603007A	Manpower, Personnel and Training Advanced Technology	03	11,677	12,636		12,636	U
36	0603008A	Electronic Warfare Advanced Technology	03	43,416				U
37	0603009A	TRACTOR HIKE	03	7,492	7,502		7,502	U
38	0603015A	Next Generation Training & Simulation Systems	03	16,103	17,425		17,425	U
39	0603020A	TRACTOR ROSE	03	14,483	11,912		11,912	U
40	0603125A	Combating Terrorism - Technology Development	03	23,334	33,520		33,520	U
41	0603130A	TRACTOR NAIL	03	3,440	2,381		2,381	U
42	0603131A	TRACTOR EGGS	03	2,406	2,431		2,431	U



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

Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
22	0602720A	Environmental Quality Technology	02	22,151			22,151	U
23	0602782A	Command, Control, Communications Technology	02	37,803			37,803	U
24	0602783A	Computer and Software Technology	02	13,811			13,811	U
25	0602784A	Military Engineering Technology	02	67,416			67,416	U
26	0602785A	Manpower/Personnel/Training Technology	02	26,045			26,045	U
27	0602786A	Warfighter Technology	02	37,403			37,403	U
28	0602787A	Medical Technology	02	77,111			77,111	U
<b>Applied Research</b>								
				<b>907,574</b>			<b>907,574</b>	
29	0603001A	Warfighter Advanced Technology	03	38,831			38,831	U
30	0603002A	Medical Advanced Technology	03	68,365			68,365	U
31	0603003A	Aviation Advanced Technology	03	94,280			94,280	U
32	0603004A	Weapons and Munitions Advanced Technology	03	68,714			68,714	U
33	0603005A	Combat Vehicle and Automotive Advanced Technology	03	122,132			122,132	U
34	0603006A	Space Application Advanced Technology	03	3,904			3,904	U
35	0603007A	Manpower, Personnel and Training Advanced Technology	03	14,417			14,417	U
36	0603008A	Electronic Warfare Advanced Technology	03					U
37	0603009A	TRACTOR HIKE	03	8,074			8,074	U
38	0603015A	Next Generation Training & Simulation Systems	03	18,969			18,969	U
39	0603020A	TRACTOR ROSE	03	11,910			11,910	U
40	0603125A	Combating Terrorism - Technology Development	03	27,686			27,686	U
41	0603130A	TRACTOR NAIL	03	2,340			2,340	U
42	0603131A	TRACTOR EGGS	03	2,470			2,470	U

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

Line	Program Element No	Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
43	0603270A		Electronic Warfare Technology	03	27,238	32,874		32,874	U
44	0603313A		Missile and Rocket Advanced Technology	03	78,302	104,449		104,449	U
45	0603322A		TRACTOR CAGE	03	11,105	10,999		10,999	U
46	0603461A		High Performance Computing Modernization Program	03	214,614	222,159		222,159	U
47	0603606A		Landmine Warfare and Barrier Advanced Technology	03	12,795	13,966		13,966	U
48	0603607A		Joint Service Small Arms Program	03	7,055	5,105		5,105	U
49	0603710A		Night Vision Advanced Technology	03	46,056	40,929		40,929	U
50	0603728A		Environmental Quality Technology Demonstrations	03	11,311	14,727		14,727	U
51	0603734A		Military Engineering Advanced Technology	03	17,124	26,845		26,845	U
52	0603772A		Advanced Tactical Computer Science and Sensor Technology	03	38,098	38,147		38,147	U
53	0603794A		C3 Advanced Technology	03		37,816		37,816	U
			<b>Advanced Technology Development</b>		<b>1,089,087</b>	<b>1,127,304</b>		<b>1,127,304</b>	
54	0603305A		Army Missile Defense Systems Integration	04	25,672	29,347		29,347	U
55	0603308A		Army Space Systems Integration	04	13,804	25,061		25,061	U
56	0603619A		Landmine Warfare and Barrier - Adv Dev	04		45,757		45,757	U
57	0603627A		Smoke, Obscurant and Target Defeating Sys-Adv Dev	04		13,426		13,426	U
58	0603639A		Tank and Medium Caliber Ammunition	04	25,317	46,749		46,749	U
59	0603747A		Soldier Support and Survivability	04	8,633	2,801	1,500	4,301	U
60	0603766A		Tactical Electronic Surveillance System - Adv Dev	04	9,255	13,472		13,472	U
61	0603774A		Night Vision Systems Advanced Development	04	3,521	7,292		7,292	U
62	0603779A		Environmental Quality Technology - Dem/Val	04	7,529	8,813		8,813	U
63	0603790A		NATO Research and Development	04	2,839	6,075		6,075	U

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43	0603270A	Electronic Warfare Technology	03	27,893			27,893	U
44	0603313A	Missile and Rocket Advanced Technology	03	52,190			52,190	U
45	0603322A	TRACTOR CAGE	03	11,107			11,107	U
46	0603461A	High Performance Computing Modernization Program	03	177,190			177,190	U
47	0603606A	Landmine Warfare and Barrier Advanced Technology	03	17,451			17,451	U
48	0603607A	Joint Service Small Arms Program	03	5,839			5,839	U
49	0603710A	Night Vision Advanced Technology	03	44,468			44,468	U
50	0603728A	Environmental Quality Technology Demonstrations	03	11,137			11,137	U
51	0603734A	Military Engineering Advanced Technology	03	20,684			20,684	U
52	0603772A	Advanced Tactical Computer Science and Sensor Technology	03	44,239			44,239	U
53	0603794A	C3 Advanced Technology	03	35,775			35,775	U
		<b>Advanced Technology Development</b>		<b>930,065</b>			<b>930,065</b>	
54	0603305A	Army Missile Defense Systems Integration	04	9,433			9,433	U
55	0603308A	Army Space Systems Integration	04	23,056	9,375		32,431	U
56	0603619A	Landmine Warfare and Barrier - Adv Dev	04	72,117			72,117	U
57	0603627A	Smoke, Obscurant and Target Defeating Sys-Adv Dev	04	28,244			28,244	U
58	0603639A	Tank and Medium Caliber Ammunition	04	40,096			40,096	U
59	0603747A	Soldier Support and Survivability	04	10,506			10,506	U
60	0603766A	Tactical Electronic Surveillance System - Adv Dev	04	15,730			15,730	U
61	0603774A	Night Vision Systems Advanced Development	04	10,321			10,321	U
62	0603779A	Environmental Quality Technology - Dem/Val	04	7,785			7,785	U
63	0603790A	NATO Research and Development	04	2,300			2,300	U

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Line	Program Element No	Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
64	0603801A		Aviation - Adv Dev	04					U
65	0603804A		Logistics and Engineer Equipment - Adv Dev	04	13,188	21,233		21,233	U
66	0603807A		Medical Systems - Adv Dev	04	22,825	31,962		31,962	U
67	0603827A		Soldier Systems - Advanced Development	04	9,194	22,994		22,994	U
68	0604100A		Analysis Of Alternatives	04	9,685	9,805		9,805	U
69	0604114A		Lower Tier Air Missile Defense (LTAMD) Sensor	04					U
70	0604115A		Technology Maturation Initiatives	04	43,083	35,917		35,917	U
71	0604120A		Assured Positioning, Navigation and Timing (PNT)	04	11,447	30,058		30,058	U
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					U
			<b>Advanced Component Development &amp; Prototypes</b>		<b>298,467</b>	<b>506,123</b>	<b>1,500</b>	<b>507,623</b>	
74	0604201A		Aircraft Avionics	05	39,583	18,639		18,639	U
75	0604270A		Electronic Warfare Development	05	5,792	18,843		18,843	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	U
78	0604321A		All Source Analysis System	05	5,532	4,309		4,309	U
79	0604328A		TRACTOR CAGE	05	19,929	15,138		15,138	U
80	0604601A		Infantry Support Weapons	05	36,826	89,661		89,661	U
81	0604604A		Medium Tactical Vehicles	05	202				U
82	0604611A		JAVELIN	05	4,006	3,945		3,945	U
83	0604622A		Family of Heavy Tactical Vehicles	05	12,768				U
84	0604633A		Air Traffic Control	05	17,066	10,076		10,076	U

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Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
64	0603801A	Aviation - Adv Dev	04	10,014			10,014	U
65	0603804A	Logistics and Engineer Equipment - Adv Dev	04	20,834			20,834	U
66	0603807A	Medical Systems - Adv Dev	04	33,503			33,503	U
67	0603827A	Soldier Systems - Advanced Development	04	31,120			31,120	U
68	0604100A	Analysis Of Alternatives	04	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	70,047			70,047	U
71	0604120A	Assured Positioning, Navigation and Timing (PNT)	04	83,279			83,279	U
72	0604319A	Indirect Fire Protection Capability Increment 2-Intercept (IFPC2)	04					U
73	0305251A	Cyberspace Operations Forces and Force Support	04	40,510			40,510	U
		<b>Advanced Component Development &amp; Prototypes</b>		<b>550,635</b>	<b>9,375</b>		<b>560,010</b>	
74	0604201A	Aircraft Avionics	05	83,248			83,248	U
75	0604270A	Electronic Warfare Development	05	34,642			34,642	U
76	0604280A	Joint Tactical Radio	05					U
77	0604290A	Mid-tier Networking Vehicular Radio (MNVR)	05	12,172			12,172	U
78	0604321A	All Source Analysis System	05	3,958			3,958	U
79	0604328A	TRACTOR CAGE	05	12,525			12,525	U
80	0604601A	Infantry Support Weapons	05	66,943			66,943	U
81	0604604A	Medium Tactical Vehicles	05					U
82	0604611A	JAVELIN	05	20,011			20,011	U
83	0604622A	Family of Heavy Tactical Vehicles	05	11,429			11,429	U
84	0604633A	Air Traffic Control	05	3,421			3,421	U

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85	0604641A		Tactical Unmanned Ground Vehicle (TUGV)	05	2,663	15,374		15,374	U
86	0604642A		Light Tactical Wheeled Vehicles	05					U
87	0604645A		Armored Systems Modernization (ASM) - Eng Dev	05					U
88	0604710A		Night Vision Systems - Eng Dev	05	58,997	67,582		67,582	U
89	0604713A		Combat Feeding, Clothing, and Equipment	05	2,983	1,763		1,763	U
90	0604715A		Non-System Training Devices - Eng Dev	05	8,775	27,155		27,155	U
91	0604741A		Air Defense Command, Control and Intelligence - Eng Dev	05	15,294	34,569		34,569	U
92	0604742A		Constructive Simulation Systems Development	05	4,394	23,364		23,364	U
93	0604746A		Automatic Test Equipment Development	05	10,685	8,960		8,960	U
94	0604760A		Distributive Interactive Simulations (DIS) - Eng Dev	05	9,699	9,138		9,138	U
95	0604780A		Combined Arms Tactical Trainer (CATT) Core	05	33,422	21,622		21,622	U
96	0604798A		Brigade Analysis, Integration and Evaluation	05	82,957	99,242		99,242	U
97	0604802A		Weapons and Munitions - Eng Dev	05	17,312	21,379		21,379	U
98	0604804A		Logistics and Engineer Equipment - Eng Dev	05	23,652	46,039		46,039	U
99	0604805A		Command, Control, Communications Systems - Eng Dev	05	5,116	2,683		2,683	U
100	0604807A		Medical Materiel/Medical Biological Defense Equipment - Eng Dev	05	29,441	45,412		45,412	U
101	0604808A		Landmine Warfare/Barrier - Eng Dev	05	53,579	55,215		55,215	U
102	0604818A		Army Tactical Command & Control Hardware & Software	05	29,690	131,639		131,639	U
103	0604820A		Radar Development	05	5,022	12,309		12,309	U
104	0604822A		General Fund Enterprise Business System (GFEBs)	05	5,500	21,155		21,155	U
105	0604823A		Firefinder	05	22,587	2,967		2,967	U
106	0604827A		Soldier Systems - Warrior Dem/Val	05	5,942	18,776		18,776	U

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Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
85	0604641A	Tactical Unmanned Ground Vehicle (TUGV)	05	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	84,519			84,519	U
89	0604713A	Combat Feeding, Clothing, and Equipment	05	2,054			2,054	U
90	0604715A	Non-System Training Devices - Eng Dev	05	30,774	33		30,807	U
91	0604741A	Air Defense Command, Control and Intelligence - Eng Dev	05	53,332		78,700	132,032	U
92	0604742A	Constructive Simulation Systems Development	05	17,887			17,887	U
93	0604746A	Automatic Test Equipment Development	05	8,813			8,813	U
94	0604760A	Distributive Interactive Simulations (DIS) - Eng Dev	05	10,487			10,487	U
95	0604780A	Combined Arms Tactical Trainer (CATT) Core	05	15,068			15,068	U
96	0604798A	Brigade Analysis, Integration and Evaluation	05	89,716			89,716	U
97	0604802A	Weapons and Munitions - Eng Dev	05	80,365			80,365	U
98	0604804A	Logistics and Engineer Equipment - Eng Dev	05	75,098			75,098	U
99	0604805A	Command, Control, Communications Systems - Eng Dev	05	4,245			4,245	U
100	0604807A	Medical Materiel/Medical Biological Defense Equipment - Eng Dev	05	41,124			41,124	U
101	0604808A	Landmine Warfare/Barrier - Eng Dev	05	39,630			39,630	U
102	0604818A	Army Tactical Command & Control Hardware & Software	05	205,590			205,590	U
103	0604820A	Radar Development	05	15,983			15,983	U
104	0604822A	General Fund Enterprise Business System (GFEBs)	05	6,805			6,805	U
105	0604823A	Firefinder	05	9,235			9,235	U
106	0604827A	Soldier Systems - Warrior Dem/Val	05	12,393			12,393	U

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107	0604854A	Artillery Systems - EMD	05	1,838	1,953		1,953	U
108	0605013A	Information Technology Development	05	64,982	60,358		60,358	U
109	0605018A	Integrated Personnel and Pay System-Army (IPPS-A)	05	62,831	121,011		121,011	U
110	0605028A	Armored Multi-Purpose Vehicle (AMPV)	05	88,797	226,210		226,210	U
111	0605029A	Integrated Ground Security Surveillance Response Capability (IGSSR-C)	05					U
112	0605030A	Joint Tactical Network Center (JTNC)	05	8,615	13,357		13,357	U
113	0605031A	Joint Tactical Network (JTN)	05	17,305	18,055		18,055	U
114	0605032A	TRACTOR TIRE	05		5,677		5,677	U
115	0605033A	Ground-Based Operational Surveillance System - Expeditionary (GBOSS-E)	05					U
116	0605034A	Tactical Security System (TSS)	05					U
117	0605035A	Common Infrared Countermeasures (CIRCM)	05	169,196	101,570		101,570	U
118	0605036A	Combating Weapons of Mass Destruction (CWMD)	05					U
119	0605041A	Defensive CYBER Tool Development	05					U
120	0605042A	Tactical Network Radio Systems (Low-Tier)	05					U
121	0605047A	Contract Writing System	05					U
122	0605051A	Aircraft Survivability Development	05		78,112		78,112	U
123	0605052A	Indirect Fire Protection Capability Inc 2 - Block 1	05					U
124	0605350A	WIN-T Increment 3 - Full Networking	05	108,851	33,515		33,515	U
125	0605380A	AMF Joint Tactical Radio System (JTRS)	05	6,616	11,455		11,455	U
126	0605450A	Joint Air-to-Ground Missile (JAGM)	05	80,585	83,054		83,054	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	U

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107	0604854A	Artillery Systems - EMD	05	1,756			1,756	U
108	0605013A	Information Technology Development	05	74,236			74,236	U
109	0605018A	Integrated Personnel and Pay System-Army (IPPS-A)	05	155,584			155,584	U
110	0605028A	Armored Multi-Purpose Vehicle (AMPV)	05	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	15,041			15,041	U
113	0605031A	Joint Tactical Network (JTN)	05	16,014			16,014	U
114	0605032A	TRACTOR TIRE	05	27,254		10,000	37,254	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	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		50,500	84,336	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	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					U
125	0605380A	AMF Joint Tactical Radio System (JTRS)	05	5,028			5,028	U
126	0605450A	Joint Air-to-Ground Missile (JAGM)	05	42,972			42,972	U
127	0605456A	PAC-3/MSE Missile	05					U
128	0605457A	Army Integrated Air and Missile Defense (AIAMD)	05	252,811			252,811	U

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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	U
132	0605812A	Joint Light Tactical Vehicle (JLTV) Engineering and Manufacturing Development Ph	05	43,302	32,486		32,486	U
133	0605830A	Aviation Ground Support Equipment	05	9,655	13,880		13,880	U
134	0210609A	Paladin Integrated Management (PIM)	05	77,210	152,288		152,288	U
135	0303032A	TROJAN - RH12	05	983	5,022		5,022	U
136	0304270A	Electronic Warfare Development	05	8,961	12,686		12,686	U
<b>System Development &amp; Demonstration</b>				<b>1,604,756</b>	<b>2,085,147</b>		<b>2,085,147</b>	
137	0604256A	Threat Simulator Development	06	21,691	27,535		27,535	U
138	0604258A	Target Systems Development	06	9,778	16,684		16,684	U
139	0604759A	Major T&E Investment	06	54,281	66,580		66,580	U
140	0605103A	Rand Arroyo Center	06	19,817	19,382		19,382	U
141	0605301A	Army Kwajalein Atoll	06	169,699	203,905		203,905	U
142	0605326A	Concepts Experimentation Program	06	18,757	19,430		19,430	U
143	0605502A	Small Business Innovative Research	06	172,658				U
144	0605601A	Army Test Ranges and Facilities	06	271,377	279,896		279,896	U
145	0605602A	Army Technical Test Instrumentation and Targets	06	43,961	51,550		51,550	U
146	0605604A	Survivability/Lethality Analysis	06	33,210	33,246		33,246	U
147	0605606A	Aircraft Certification	06	4,667	4,760		4,760	U
148	0605702A	Meteorological Support to RDT&E Activities	06	6,289	8,303		8,303	U
149	0605706A	Materiel Systems Analysis	06	20,578	20,403		20,403	U

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129	0605625A	Manned Ground Vehicle	05					U
130	0605626A	Aerial Common Sensor	05					U
131	0605766A	National Capabilities Integration (MIP)	05	4,955			4,955	U
132	0605812A	Joint Light Tactical Vehicle (JLTV) Engineering and Manufacturing Development Ph	05	11,530			11,530	U
133	0605830A	Aviation Ground Support Equipment	05	2,142			2,142	U
134	0210609A	Paladin Integrated Management (PIM)	05	41,498			41,498	U
135	0303032A	TROJAN - RH12	05	4,273			4,273	U
136	0304270A	Electronic Warfare Development	05	14,425			14,425	U
<b>System Development &amp; Demonstration</b>				<b>2,265,094</b>	<b>84,043</b>	<b>139,200</b>	<b>2,488,337</b>	
137	0604256A	Threat Simulator Development	06	25,675			25,675	U
138	0604258A	Target Systems Development	06	19,122			19,122	U
139	0604759A	Major T&E Investment	06	84,777			84,777	U
140	0605103A	Rand Arroyo Center	06	20,658			20,658	U
141	0605301A	Army Kwajalein Atoll	06	236,648			236,648	U
142	0605326A	Concepts Experimentation Program	06	25,596			25,596	U
143	0605502A	Small Business Innovative Research	06					U
144	0605601A	Army Test Ranges and Facilities	06	293,748			293,748	U
145	0605602A	Army Technical Test Instrumentation and Targets	06	52,404			52,404	U
146	0605604A	Survivability/Lethality Analysis	06	38,571			38,571	U
147	0605606A	Aircraft Certification	06	4,665			4,665	U
148	0605702A	Meteorological Support to RDT&E Activities	06	6,925			6,925	U
149	0605706A	Materiel Systems Analysis	06	21,677			21,677	U

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

Line	Program Element No	Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
150	0605709A		Exploitation of Foreign Items	06	8,418	10,396		10,396	U
151	0605712A		Support of Operational Testing	06	48,953	49,337		49,337	U
152	0605716A		Army Evaluation Center	06	54,468	52,694		52,694	U
153	0605718A		Army Modeling & Sim X-Cmd Collaboration & Integ	06	1,081	938		938	U
154	0605801A		Programwide Activities	06	63,687	60,319		60,319	U
155	0605803A		Technical Information Activities	06	28,781	28,478		28,478	U
156	0605805A		Munitions Standardization, Effectiveness and Safety	06	62,168	64,604		64,604	U
157	0605857A		Environmental Quality Technology Mgmt Support	06	2,512	3,186		3,186	U
158	0605898A		Army Direct Report Headquarters - R&D - MHA	06	48,951	48,955		48,955	U
159	0303260A		Defense Military Deception Initiative	06					U
160	0909999A		Financing for Cancelled Account Adjustments	06	233				U
			<b>RDT&amp;E Management Support</b>		<b>1,166,015</b>	<b>1,070,581</b>		<b>1,070,581</b>	
161	0603778A		MLRS Product Improvement Program	07	17,852	18,397		18,397	U
162	0603813A		TRACTOR PULL	07		9,461		9,461	U
163	0605024A		Anti-Tamper Technology Support	07					U
164	0607131A		Weapons and Munitions Product Improvement Programs	07		4,945		4,945	U
165	0607133A		TRACTOR SMOKE	07		7,569		7,569	U
166	0607134A		Long Range Precision Fires (LRPF)	07					U
167	0607135A		Apache Product Improvement Program	07	86,099	65,562		65,562	U
168	0607136A		Blackhawk Product Improvement Program	07	48,406	66,653		66,653	U
169	0607137A		Chinook Product Improvement Program	07	35,424	32,407		32,407	U
170	0607138A		Fixed Wing Product Improvement Program	07	819	1,151		1,151	U

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

Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
150	0605709A	Exploitation of Foreign Items	06	12,415			12,415	U
151	0605712A	Support of Operational Testing	06	49,684			49,684	U
152	0605716A	Army Evaluation Center	06	55,905			55,905	U
153	0605718A	Army Modeling & Sim X-Cmd Collaboration & Integ	06	7,959			7,959	U
154	0605801A	Programwide Activities	06	51,822			51,822	U
155	0605803A	Technical Information Activities	06	33,323			33,323	U
156	0605805A	Munitions Standardization, Effectiveness and Safety	06	40,545			40,545	U
157	0605857A	Environmental Quality Technology Mgmt Support	06	2,130			2,130	U
158	0605898A	Army Direct Report Headquarters - R&D - MHA	06	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					U
		<b>RDT&amp;E Management Support</b>		<b>1,136,134</b>			<b>1,136,134</b>	
161	0603778A	MLRS Product Improvement Program	07	9,663			9,663	U
162	0603813A	TRACTOR PULL	07	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	14,517			14,517	U
165	0607133A	TRACTOR SMOKE	07	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	66,441			66,441	U
168	0607136A	Blackhawk Product Improvement Program	07	46,765			46,765	U
169	0607137A	Chinook Product Improvement Program	07	91,848			91,848	U
170	0607138A	Fixed Wing Product Improvement Program	07	796			796	U

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Appropriation: 2040A Research, Development, Test &amp; 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	Se
171	0607139A	Improved Turbine Engine Program	07	49,328	51,164		51,164	U
172	0607140A	Emerging Technologies from NIE	07	4,916	2,481		2,481	U
173	0607141A	Logistics Automation	07	3,513	1,673		1,673	U
174	0607665A	Family of Biometrics	07	1,332	13,237		13,237	U
175	0607865A	Patriot Product Improvement	07	57,962	89,816		89,816	U
176	0202429A	Aerostat Joint Project - COCOM Exercise	07	43,248	10,565		10,565	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	U
179	0203735A	Combat Vehicle Improvement Programs	07	297,423	354,667		354,667	U
180	0203740A	Maneuver Control System	07	43,453	15,408		15,408	U
181	0203744A	Aircraft Modifications/Product Improvement Programs	07	40				U
182	0203752A	Aircraft Engine Component Improvement Program	07	372	364		364	U
183	0203758A	Digitization	07	5,765	4,361		4,361	U
184	0203801A	Missile/Air Defense Product Improvement Program	07	4,917	3,154		3,154	U
185	0203802A	Other Missile Product Improvement Programs	07	40,468	35,951		35,951	U
186	0203808A	TRACTOR CARD	07	19,347	34,686		34,686	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	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	U
191	0205778A	Guided Multiple-Launch Rocket System (GMLRS)	07	43,791	36,727		36,727	U
192	0208053A	Joint Tactical Ground System	07	10,209	20,515		20,515	U

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## Appropriation: 2040A Research, Development, Test &amp; Eval, Army

Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
171	0607139A	Improved Turbine Engine Program	07	126,105			126,105	U
172	0607140A	Emerging Technologies from NIE	07	2,369			2,369	U
173	0607141A	Logistics Automation	07	4,563			4,563	U
174	0607665A	Family of Biometrics	07	12,098			12,098	U
175	0607865A	Patriot Product Improvement	07	49,482			49,482	U
176	0202429A	Aerostat Joint Project - COCOM Exercise	07	45,482			45,482	U
177	0203726A	Adv Field Artillery Tactical Data System	07					U
178	0203728A	Joint Automated Deep Operation Coordination System (JADOCS)	07	30,455			30,455	U
179	0203735A	Combat Vehicle Improvement Programs	07	316,857			316,857	U
180	0203740A	Maneuver Control System	07	4,031			4,031	U
181	0203744A	Aircraft Modifications/Product Improvement Programs	07	35,793			35,793	U
182	0203752A	Aircraft Engine Component Improvement Program	07	259			259	U
183	0203758A	Digitization	07	6,483			6,483	U
184	0203801A	Missile/Air Defense Product Improvement Program	07	5,122			5,122	U
185	0203802A	Other Missile Product Improvement Programs	07	7,491			7,491	U
186	0203808A	TRACTOR CARD	07	20,333			20,333	U
187	0205402A	Integrated Base Defense - Operational System Dev	07					U
188	0205410A	Materials Handling Equipment	07	124			124	U
189	0205412A	Environmental Quality Technology - Operational System Dev	07					U
190	0205456A	Lower Tier Air and Missile Defense (AMD) System	07	69,417			69,417	U
191	0205778A	Guided Multiple-Launch Rocket System (GMLRS)	07	22,044			22,044	U
192	0208053A	Joint Tactical Ground System	07	12,649			12,649	U

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## Appropriation: 2040A Research, Development, Test &amp; 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	Se
194	0303028A	Security and Intelligence Activities	07	12,518	6,998		6,998	U
195	0303140A	Information Systems Security Program	07	13,627	31,154		31,154	U
196	0303141A	Global Combat Support System	07	5,225	21,574		21,574	U
197	0303142A	SATCOM Ground Environment (SPACE)	07	9,978	9,355		9,355	U
198	0303150A	WWMCCS/Global Command and Control System	07	2,493	7,034		7,034	U
201	0305179A	Integrated Broadcast Service (IBS)	07		750		750	U
202	0305204A	Tactical Unmanned Aerial Vehicles	07	20,290	13,225		13,225	U
203	0305206A	Airborne Reconnaissance Systems	07		22,870		22,870	U
204	0305208A	Distributed Common Ground/Surface Systems	07	20,155	25,592		25,592	U
205	0305219A	MQ-1C Gray Eagle UAS	07	46,472				U
206	0305232A	RQ-11 UAV	07					U
207	0305233A	RQ-7 UAV	07	16,389	11,797		11,797	U
208	0307665A	Biometrics Enabled Intelligence	07	1,973				U
209	0310349A	Win-T Increment 2 - Initial Networking	07	3,123	3,800		3,800	U
210	0708045A	End Item Industrial Preparedness Activities	07	73,419	60,422		60,422	U
9999	9999999999	Classified Programs		14,302	4,536		4,536	U
		<b>Operational Systems Development</b>		<b>1,173,856</b>	<b>1,211,051</b>		<b>1,211,051</b>	
		<b>Total Research, Development, Test &amp; Eval, Army</b>		<b>6,744,134</b>	<b>7,562,170</b>	<b>1,500</b>	<b>7,563,670</b>	



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## Appropriation: 2040A Research, Development, Test &amp; Eval, Army

Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
194	0303028A	Security and Intelligence Activities	07	11,619			11,619	U
195	0303140A	Information Systems Security Program	07	38,280			38,280	U
196	0303141A	Global Combat Support System	07	27,223			27,223	U
197	0303142A	SATCOM Ground Environment (SPACE)	07	18,815			18,815	U
198	0303150A	WWMCCS/Global Command and Control System	07	4,718			4,718	U
201	0305179A	Integrated Broadcast Service (IBS)	07					U
202	0305204A	Tactical Unmanned Aerial Vehicles	07	8,218			8,218	U
203	0305206A	Airborne Reconnaissance Systems	07	11,799			11,799	U
204	0305208A	Distributed Common Ground/Surface Systems	07	32,284			32,284	U
205	0305219A	MQ-1C Gray Eagle UAS	07	13,470			13,470	U
206	0305232A	RQ-11 UAV	07	1,613			1,613	U
207	0305233A	RQ-7 UAV	07	4,597			4,597	U
208	0307665A	Biometrics Enabled Intelligence	07		7,104		7,104	U
209	0310349A	Win-T Increment 2 - Initial Networking	07	4,867			4,867	U
210	0708045A	End Item Industrial Preparedness Activities	07	62,287			62,287	U
9999	9999999999	Classified Programs		4,625			4,625	U
		<b>Operational Systems Development</b>		<b>1,296,954</b>	<b>7,104</b>		<b>1,304,058</b>	
		<b>Total Research, Development, Test &amp; Eval, Army</b>		<b>7,515,399</b>	<b>100,522</b>	<b>139,200</b>	<b>7,755,121</b>	

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<u>Summary Recap of Budget Activities</u>	<u>FY 2015 (Base &amp; OCO)</u>	<u>FY 2016 Base Enacted</u>	<u>FY 2016 OCO Enacted</u>	<u>FY 2016 Total Enacted</u>
Basic Research	634,410	671,875		671,875
Applied Research	855,861	965,872		965,872
Advanced Technology Development	625,631	696,226		696,226
Advanced Component Development & Prototypes	4,357,168	5,022,272		5,022,272
System Development & Demonstration	5,119,875	6,274,796		6,274,796
Management Support	1,278,299	918,223		918,223
Operational Systems Development	3,196,179	3,561,983	35,747	3,597,730
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>16,067,423</b>	<b>18,111,247</b>	<b>35,747</b>	<b>18,146,994</b>
 <u>Summary Recap of FYDP Programs</u>				
Strategic Forces	140,959	164,143		164,143
General Purpose Forces	1,292,908	1,326,178		1,326,178
Intelligence and Communications	754,576	719,253		719,253
Research and Development	12,620,194	14,380,627		14,380,627
Central Supply and Maintenance	60,896	28,506		28,506
Administration and Associated Activities	137	355		355
Classified Programs	1,197,753	1,492,185	35,747	1,527,932
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>16,067,423</b>	<b>18,111,247</b>	<b>35,747</b>	<b>18,146,994</b>

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<u>Summary Recap of Budget Activities</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 OCO Amendment</u>	<u>FY 2017 Total</u>
Basic Research	542,970			542,970
Applied Research	861,151			861,151
Advanced Technology Development	736,988			736,988
Advanced Component Development & Prototypes	4,662,867	41,897		4,704,764
System Development & Demonstration	6,025,655			6,025,655
Management Support	853,736			853,736
Operational Systems Development	3,592,934	36,426		3,629,360
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>17,276,301</b>	<b>78,323</b>		<b>17,354,624</b>
 <u>Summary Recap of FYDP Programs</u>				
Strategic Forces	196,948			196,948
General Purpose Forces	1,447,043			1,447,043
Intelligence and Communications	713,042			713,042
Research and Development	13,638,282	41,897		13,680,179
Central Supply and Maintenance	52,526			52,526
Administration and Associated Activities				
Classified Programs	1,228,460	36,426		1,264,886
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>17,276,301</b>	<b>78,323</b>		<b>17,354,624</b>

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Appropriation: 1319N Research, Development, Test &amp; 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	Se
1	0601103N	University Research Initiatives	01	129,331	146,196		146,196	U
2	0601152N	In-House Laboratory Independent Research	01	18,997	19,126		19,126	U
3	0601153N	Defense Research Sciences	01	486,082	506,553		506,553	U
		<b>Basic Research</b>		<b>634,410</b>	<b>671,875</b>		<b>671,875</b>	
4	0602114N	Power Projection Applied Research	02	94,944	87,223		87,223	U
5	0602123N	Force Protection Applied Research	02	159,556	178,616		178,616	U
6	0602131M	Marine Corps Landing Force Technology	02	44,629	51,643		51,643	U
7	0602235N	Common Picture Applied Research	02	44,874	42,538		42,538	U
8	0602236N	Warfighter Sustainment Applied Research	02	46,202	45,047		45,047	U
9	0602271N	Electromagnetic Systems Applied Research	02	102,750	114,644		114,644	U
10	0602435N	Ocean Warfighting Environment Applied Research	02	62,643	72,252		72,252	U
11	0602651M	Joint Non-Lethal Weapons Applied Research	02	5,728	6,114		6,114	U
12	0602747N	Undersea Warfare Applied Research	02	88,204	150,839		150,839	U
13	0602750N	Future Naval Capabilities Applied Research	02	171,992	179,538		179,538	U
14	0602782N	Mine and Expeditionary Warfare Applied Research	02	34,339	37,418		37,418	U
15	0602898N	Science and Technology Management - ONR Headquarters	02					U
		<b>Applied Research</b>		<b>855,861</b>	<b>965,872</b>		<b>965,872</b>	
16	0603114N	Power Projection Advanced Technology	03	36,651	36,971		36,971	U
17	0603123N	Force Protection Advanced Technology	03	25,148	38,044		38,044	U
18	0603271N	Electromagnetic Systems Advanced Technology	03	62,860	34,856		34,856	U
19	0603640M	USMC Advanced Technology Demonstration (ATD)	03	125,696	131,490		131,490	U
20	0603651M	Joint Non-Lethal Weapons Technology Development	03	11,163	12,745		12,745	U

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Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
1	0601103N	University Research Initiatives	01	101,714			101,714	U
2	0601152N	In-House Laboratory Independent Research	01	18,508			18,508	U
3	0601153N	Defense Research Sciences	01	422,748			422,748	U
		<b>Basic Research</b>		<b>542,970</b>			<b>542,970</b>	
4	0602114N	Power Projection Applied Research	02	41,371			41,371	U
5	0602123N	Force Protection Applied Research	02	158,745			158,745	U
6	0602131M	Marine Corps Landing Force Technology	02	51,590			51,590	U
7	0602235N	Common Picture Applied Research	02	41,185			41,185	U
8	0602236N	Warfighter Sustainment Applied Research	02	45,467			45,467	U
9	0602271N	Electromagnetic Systems Applied Research	02	118,941			118,941	U
10	0602435N	Ocean Warfighting Environment Applied Research	02	42,618			42,618	U
11	0602651M	Joint Non-Lethal Weapons Applied Research	02	6,327			6,327	U
12	0602747N	Undersea Warfare Applied Research	02	126,313			126,313	U
13	0602750N	Future Naval Capabilities Applied Research	02	165,103			165,103	U
14	0602782N	Mine and Expeditionary Warfare Applied Research	02	33,916			33,916	U
15	0602898N	Science and Technology Management - ONR Headquarters	02	29,575			29,575	U
		<b>Applied Research</b>		<b>861,151</b>			<b>861,151</b>	
16	0603114N	Power Projection Advanced Technology	03	96,406			96,406	U
17	0603123N	Force Protection Advanced Technology	03	48,438			48,438	U
18	0603271N	Electromagnetic Systems Advanced Technology	03	26,421			26,421	U
19	0603640M	USMC Advanced Technology Demonstration (ATD)	03	140,416			140,416	U
20	0603651M	Joint Non-Lethal Weapons Technology Development	03	13,117			13,117	U

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

Line	Program Element No	Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
21	0603673N		Future Naval Capabilities Advanced Technology Development	03	257,806	265,562		265,562	U
22	0603680N		Manufacturing Technology Program	03		57,074		57,074	U
23	0603729N		Warfighter Protection Advanced Technology	03	39,374	36,299		36,299	U
24	0603747N		Undersea Warfare Advanced Technology	03	9,639	13,748		13,748	U
25	0603758N		Navy Warfighting Experiments and Demonstrations	03	55,363	65,946		65,946	U
26	0603782N		Mine and Expeditionary Warfare Advanced Technology	03	1,931	3,491		3,491	U
			<b>Advanced Technology Development</b>		<b>625,631</b>	<b>696,226</b>		<b>696,226</b>	
27	0603207N		Air/Ocean Tactical Applications	04	39,669	37,832		37,832	U
28	0603216N		Aviation Survivability	04	4,280	10,904		10,904	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	U
31	0603254N		ASW Systems Development	04	7,602	5,551		5,551	U
32	0603261N		Tactical Airborne Reconnaissance	04	5,870	3,080		3,080	U
33	0603382N		Advanced Combat Systems Technology	04	1,582	1,631		1,631	U
34	0603502N		Surface and Shallow Water Mine Countermeasures	04	83,793	90,472		90,472	U
35	0603506N		Surface Ship Torpedo Defense	04	56,802	71,300		71,300	U
36	0603512N		Carrier Systems Development	04	5,954	8,348		8,348	U
37	0603525N		PILOT FISH	04	140,841	122,939		122,939	U
38	0603527N		RETRACT LARCH	04	29,725	28,803		28,803	U
39	0603536N		RETRACT JUNIPER	04	79,059	112,604		112,604	U
40	0603542N		Radiological Control	04	667	710		710	U
41	0603553N		Surface ASW	04	1,020	1,096		1,096	U

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Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
21	0603673N	Future Naval Capabilities Advanced Technology Development	03	249,092			249,092	U
22	0603680N	Manufacturing Technology Program	03	56,712			56,712	U
23	0603729N	Warfighter Protection Advanced Technology	03	4,789			4,789	U
24	0603747N	Undersea Warfare Advanced Technology	03	25,880			25,880	U
25	0603758N	Navy Warfighting Experiments and Demonstrations	03	60,550			60,550	U
26	0603782N	Mine and Expeditionary Warfare Advanced Technology	03	15,167			15,167	U
		<b>Advanced Technology Development</b>		<b>736,988</b>			<b>736,988</b>	
27	0603207N	Air/Ocean Tactical Applications	04	48,536			48,536	U
28	0603216N	Aviation Survivability	04	5,239			5,239	U
29	0603237N	Deployable Joint Command and Control	04					U
30	0603251N	Aircraft Systems	04	1,519			1,519	U
31	0603254N	ASW Systems Development	04	7,041			7,041	U
32	0603261N	Tactical Airborne Reconnaissance	04	3,274			3,274	U
33	0603382N	Advanced Combat Systems Technology	04	57,034			57,034	U
34	0603502N	Surface and Shallow Water Mine Countermeasures	04	165,775			165,775	U
35	0603506N	Surface Ship Torpedo Defense	04	87,066			87,066	U
36	0603512N	Carrier Systems Development	04	7,605			7,605	U
37	0603525N	PILOT FISH	04	132,068			132,068	U
38	0603527N	RETRACT LARCH	04	14,546	3,907		18,453	U
39	0603536N	RETRACT JUNIPER	04	115,435			115,435	U
40	0603542N	Radiological Control	04	702			702	U
41	0603553N	Surface ASW	04	1,081			1,081	U

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Line	Program Element No	Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
42	0603561N		Advanced Submarine System Development	04	65,913	85,834		85,834	U
43	0603562N		Submarine Tactical Warfare Systems	04	7,986	10,371		10,371	U
44	0603563N		Ship Concept Advanced Design	04	17,831	10,459		10,459	U
45	0603564N		Ship Preliminary Design & Feasibility Studies	04	8,007	3,332		3,332	U
46	0603570N		Advanced Nuclear Power Systems	04	499,961	482,040		482,040	U
47	0603573N		Advanced Surface Machinery Systems	04	20,357	24,143		24,143	U
48	0603576N		CHALK EAGLE	04	529,885	511,651		511,651	U
49	0603581N		Littoral Combat Ship (LCS)	04	80,199	91,416		91,416	U
50	0603582N		Combat System Integration	04	20,741	32,561		32,561	U
51	0603595N		Ohio Replacement	04	833,274	971,393		971,393	U
52	0603596N		LCS Mission Modules	04	172,602	203,143		203,143	U
53	0603597N		Automated Test and Analysis	04	7,816	23,000		23,000	U
54	0603599N		Frigate Development	04		30,000		30,000	U
55	0603609N		Conventional Munitions	04	7,603	7,678		7,678	U
56	0603611M		Marine Corps Assault Vehicles	04	101,175	212,173		212,173	U
57	0603635M		Marine Corps Ground Combat/Support System	04	1,241	378		378	U
58	0603654N		Joint Service Explosive Ordnance Development	04	22,274	15,329		15,329	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	U
61	0603721N		Environmental Protection	04	13,200	19,289		19,289	U
62	0603724N		Navy Energy Program	04	62,412	56,391		56,391	U
63	0603725N		Facilities Improvement	04	2,588	3,726		3,726	U



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42	0603561N	Advanced Submarine System Development	04	100,565			100,565	U
43	0603562N	Submarine Tactical Warfare Systems	04	8,782			8,782	U
44	0603563N	Ship Concept Advanced Design	04	14,590			14,590	U
45	0603564N	Ship Preliminary Design & Feasibility Studies	04	15,805			15,805	U
46	0603570N	Advanced Nuclear Power Systems	04	453,313			453,313	U
47	0603573N	Advanced Surface Machinery Systems	04	36,655			36,655	U
48	0603576N	CHALK EAGLE	04	367,016			367,016	U
49	0603581N	Littoral Combat Ship (LCS)	04	51,630			51,630	U
50	0603582N	Combat System Integration	04	23,530			23,530	U
51	0603595N	Ohio Replacement	04	700,811			700,811	U
52	0603596N	LCS Mission Modules	04	160,058			160,058	U
53	0603597N	Automated Test and Analysis	04					U
54	0603599N	Frigate Development	04	84,900			84,900	U
55	0603609N	Conventional Munitions	04	8,342			8,342	U
56	0603611M	Marine Corps Assault Vehicles	04	158,682			158,682	U
57	0603635M	Marine Corps Ground Combat/Support System	04	1,303			1,303	U
58	0603654N	Joint Service Explosive Ordnance Development	04	46,911			46,911	U
59	0603658N	Cooperative Engagement	04					U
60	0603713N	Ocean Engineering Technology Development	04	4,556			4,556	U
61	0603721N	Environmental Protection	04	20,343			20,343	U
62	0603724N	Navy Energy Program	04	52,479			52,479	U
63	0603725N	Facilities Improvement	04	5,458			5,458	U

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64	0603734N		CHALK CORAL	04	162,900	174,771		174,771	U
65	0603739N		Navy Logistic Productivity	04	3,355	3,866		3,866	U
66	0603746N		RETRACT MAPLE	04	346,830	359,856		359,856	U
67	0603748N		LINK PLUMERIA	04	260,179	237,376		237,376	U
68	0603751N		RETRACT ELM	04	32,889	37,700		37,700	U
69	0603764N		LINK EVERGREEN	04	44,894	47,312		47,312	U
70	0603787N		Special Processes	04	24,336	17,392		17,392	U
71	0603790N		NATO Research and Development	04	8,659	8,320		8,320	U
72	0603795N		Land Attack Technology	04	310	887		887	U
73	0603851M		Joint Non-Lethal Weapons Testing	04	32,955	29,444		29,444	U
74	0603860N		Joint Precision Approach and Landing Systems - Dem/Val	04	41,644	81,466		81,466	U
75	0603925N		Directed Energy and Electric Weapon Systems	04	54,154	41,730		41,730	U
76	0604112N		Gerald R. Ford Class Nuclear Aircraft Carrier (CVN 78 - 80)	04	46,308	98,105		98,105	U
77	0604122N		Remote Minehunting System (RMS)	04	20,534	17,589		17,589	U
78	0604272N		Tactical Air Directional Infrared Countermeasures (TADIRCM)	04	5,677	18,969		18,969	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	U
81	0604454N		LX (R)	04	32,522	75,486		75,486	U
82	0604536N		Advanced Undersea Prototyping	04					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	U
85	0604707N		Space and Electronic Warfare (SEW) Architecture/Engineering Support	04	21,916	20,203		20,203	U

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Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
64	0603734N	CHALK CORAL	04	245,860			245,860	U
65	0603739N	Navy Logistic Productivity	04	3,089			3,089	U
66	0603746N	RETRACT MAPLE	04	323,526			323,526	U
67	0603748N	LINK PLUMERIA	04	318,497			318,497	U
68	0603751N	RETRACT ELM	04	52,834			52,834	U
69	0603764N	LINK EVERGREEN	04	48,116			48,116	U
70	0603787N	Special Processes	04	13,619			13,619	U
71	0603790N	NATO Research and Development	04	9,867			9,867	U
72	0603795N	Land Attack Technology	04	6,015			6,015	U
73	0603851M	Joint Non-Lethal Weapons Testing	04	27,904			27,904	U
74	0603860N	Joint Precision Approach and Landing Systems - Dem/Val	04	104,144			104,144	U
75	0603925N	Directed Energy and Electric Weapon Systems	04	32,700			32,700	U
76	0604112N	Gerald R. Ford Class Nuclear Aircraft Carrier (CVN 78 - 80)	04	70,528			70,528	U
77	0604122N	Remote Minehunting System (RMS)	04	3,001			3,001	U
78	0604272N	Tactical Air Directional Infrared Countermeasures (TADIRCM)	04	34,920	37,990		72,910	U
79	0604279N	ASE Self-Protection Optimization	04					U
80	0604292N	MH-XX	04	1,620			1,620	U
81	0604454N	LX (R)	04	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					U
84	0604659N	Precision Strike Weapons Development Program	04	9,910			9,910	U
85	0604707N	Space and Electronic Warfare (SEW) Architecture/Engineering Support	04	23,971			23,971	U

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86	0604786N	Offensive Anti-Surface Warfare Weapon Development	04	181,719	285,849		285,849	U
87	0605812M	Joint Light Tactical Vehicle (JLTV) Engineering and Manufacturing Development Ph	04	8,970	32,149		32,149	U
88	0303354N	ASW Systems Development - MIP	04	6,495	9,835		9,835	U
89	0304270N	Electronic Warfare Development - MIP	04	332	580		580	U
<b>Advanced Component Development &amp; Prototypes</b>				<b>4,357,168</b>	<b>5,022,272</b>		<b>5,022,272</b>	
90	0603208N	Training System Aircraft	05	13,115	17,989		17,989	U
91	0604212N	Other Helo Development	05	34,436	11,101		11,101	U
92	0604214N	AV-8B Aircraft - Eng Dev	05	24,558	27,668		27,668	U
93	0604215N	Standards Development	05	52,842	53,049		53,049	U
94	0604216N	Multi-Mission Helicopter Upgrade Development	05	11,159	18,858		18,858	U
95	0604218N	Air/Ocean Equipment Engineering	05	2,126	4,515		4,515	U
96	0604221N	P-3 Modernization Program	05	698	1,514		1,514	U
97	0604230N	Warfare Support System	05	9,050	5,875		5,875	U
98	0604231N	Tactical Command System	05	52,287	73,533		73,533	U
99	0604234N	Advanced Hawkeye	05	171,189	217,645		217,645	U
100	0604245N	H-1 Upgrades	05	43,469	27,235		27,235	U
101	0604261N	Acoustic Search Sensors	05	24,395	31,235		31,235	U
102	0604262N	V-22A	05	50,188	76,483		76,483	U
103	0604264N	Air Crew Systems Development	05	14,503	12,665		12,665	U
104	0604269N	EA-18	05	18,653	46,921		46,921	U
105	0604270N	Electronic Warfare Development	05	27,250	20,113		20,113	U
106	0604273N	Executive Helo Development	05	356,567	507,093		507,093	U

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Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
86	0604786N	Offensive Anti-Surface Warfare Weapon Development	04	252,409			252,409	U
87	0605812M	Joint Light Tactical Vehicle (JLTV) Engineering and Manufacturing Development Ph	04	23,197			23,197	U
88	0303354N	ASW Systems Development - MIP	04	9,110			9,110	U
89	0304270N	Electronic Warfare Development - MIP	04	437			437	U
<b>Advanced Component Development &amp; Prototypes</b>				<b>4,662,867</b>	<b>41,897</b>		<b>4,704,764</b>	
90	0603208N	Training System Aircraft	05	19,938			19,938	U
91	0604212N	Other Helo Development	05	6,268			6,268	U
92	0604214N	AV-8B Aircraft - Eng Dev	05	33,664			33,664	U
93	0604215N	Standards Development	05	1,300			1,300	U
94	0604216N	Multi-Mission Helicopter Upgrade Development	05	5,275			5,275	U
95	0604218N	Air/Ocean Equipment Engineering	05	3,875			3,875	U
96	0604221N	P-3 Modernization Program	05	1,909			1,909	U
97	0604230N	Warfare Support System	05	13,237			13,237	U
98	0604231N	Tactical Command System	05	36,323			36,323	U
99	0604234N	Advanced Hawkeye	05	363,792			363,792	U
100	0604245N	H-1 Upgrades	05	27,441			27,441	U
101	0604261N	Acoustic Search Sensors	05	34,525			34,525	U
102	0604262N	V-22A	05	174,423			174,423	U
103	0604264N	Air Crew Systems Development	05	13,577			13,577	U
104	0604269N	EA-18	05	116,761			116,761	U
105	0604270N	Electronic Warfare Development	05	48,766			48,766	U
106	0604273N	Executive Helo Development	05	338,357			338,357	U

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107	0604274N	Next Generation Jammer (NGJ)	05	224,578	387,770		387,770	U
108	0604280N	Joint Tactical Radio System - Navy (JTRS-Navy)	05	6,725	24,985		24,985	U
109	0604282N	Next Generation Jammer (NGJ) Increment II	05		13,000		13,000	U
110	0604307N	Surface Combatant Combat System Engineering	05	178,430	386,576		386,576	U
111	0604311N	LPD-17 Class Systems Integration	05	363	747		747	U
112	0604329N	Small Diameter Bomb (SDB)	05	53,950	57,144		57,144	U
113	0604366N	Standard Missile Improvements	05	50,241	115,644		115,644	U
114	0604373N	Airborne MCM	05	37,831	9,647		9,647	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	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	U
119	0604503N	SSN-688 and Trident Modernization	05	70,053	109,893		109,893	U
120	0604504N	Air Control	05	28,669	57,928		57,928	U
121	0604512N	Shipboard Aviation Systems	05	120,062	120,217		120,217	U
122	0604518N	Combat Information Center Conversion	05					U
123	0604522N	Air and Missile Defense Radar (AMDR) System	05	126,525	232,677		232,677	U
124	0604558N	New Design SSN	05	85,787	157,056		157,056	U
125	0604562N	Submarine Tactical Warfare System	05	37,768	52,713		52,713	U
126	0604567N	Ship Contract Design/ Live Fire T&E	05	39,459	38,925		38,925	U
127	0604574N	Navy Tactical Computer Resources	05	3,884	4,096		4,096	U

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107	0604274N	Next Generation Jammer (NGJ)	05	577,822			577,822	U
108	0604280N	Joint Tactical Radio System - Navy (JTRS-Navy)	05	2,365			2,365	U
109	0604282N	Next Generation Jammer (NGJ) Increment II	05	52,065			52,065	U
110	0604307N	Surface Combatant Combat System Engineering	05	282,764			282,764	U
111	0604311N	LPD-17 Class Systems Integration	05	580			580	U
112	0604329N	Small Diameter Bomb (SDB)	05	97,622			97,622	U
113	0604366N	Standard Missile Improvements	05	120,561			120,561	U
114	0604373N	Airborne MCM	05	45,622			45,622	U
115	0604376M	Marine Air Ground Task Force (MAGTF) Electronic Warfare (EW) for Aviation	05					U
116	0604378N	Naval Integrated Fire Control - Counter Air Systems Engineering	05	25,750			25,750	U
117	0604404N	Unmanned Carrier Launched Airborne Surveillance and Strike (UCLASS) System	05					U
118	0604501N	Advanced Above Water Sensors	05	85,868			85,868	U
119	0604503N	SSN-688 and Trident Modernization	05	117,476			117,476	U
120	0604504N	Air Control	05	47,404			47,404	U
121	0604512N	Shipboard Aviation Systems	05	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	144,395			144,395	U
124	0604558N	New Design SSN	05	113,013			113,013	U
125	0604562N	Submarine Tactical Warfare System	05	43,160			43,160	U
126	0604567N	Ship Contract Design/ Live Fire T&E	05	65,002			65,002	U
127	0604574N	Navy Tactical Computer Resources	05	3,098			3,098	U

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128	0604580N	Virginia Payload Module (VPM)	05	106,223	167,719		167,719	U
129	0604601N	Mine Development	05	10,962	15,122		15,122	U
130	0604610N	Lightweight Torpedo Development	05	39,664	43,738		43,738	U
131	0604654N	Joint Service Explosive Ordnance Development	05	8,978	8,123		8,123	U
132	0604703N	Personnel, Training, Simulation, and Human Factors	05	5,925	7,686		7,686	U
133	0604727N	Joint Standoff Weapon Systems	05	4,389	405		405	U
134	0604755N	Ship Self Defense (Detect & Control)	05	64,704	145,336		145,336	U
135	0604756N	Ship Self Defense (Engage: Hard Kill)	05	94,534	86,811		86,811	U
136	0604757N	Ship Self Defense (Engage: Soft Kill/EW)	05	107,319	105,416		105,416	U
137	0604761N	Intelligence Engineering	05	200	2,053		2,053	U
138	0604771N	Medical Development	05	26,589	25,291		25,291	U
139	0604777N	Navigation/ID System	05	28,952	32,456		32,456	U
140	0604800M	Joint Strike Fighter (JSF) - EMD	05	487,940	537,901		537,901	U
141	0604800N	Joint Strike Fighter (JSF) - EMD	05	486,978	504,736		504,736	U
142	0604810M	Joint Strike Fighter Follow On Development - Marine Corps	05	10,086	20,798		20,798	U
143	0604810N	Joint Strike Fighter Follow On Development - Navy	05	10,302	21,200		21,200	U
144	0605013M	Information Technology Development	05	2,670	4,824		4,824	U
145	0605013N	Information Technology Development	05	55,106	85,816		85,816	U
146	0605024N	Anti-Tamper Technology Support	05					U
147	0605212N	CH-53K RDTE	05	538,192	592,317		592,317	U
148	0605215N	Mission Planning	05					U
149	0605217N	Common Avionics	05					U



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Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
128	0604580N	Virginia Payload Module (VPM)	05	97,920			97,920	U
129	0604601N	Mine Development	05	10,490			10,490	U
130	0604610N	Lightweight Torpedo Development	05	20,178			20,178	U
131	0604654N	Joint Service Explosive Ordnance Development	05	7,369			7,369	U
132	0604703N	Personnel, Training, Simulation, and Human Factors	05	4,995			4,995	U
133	0604727N	Joint Standoff Weapon Systems	05	412			412	U
134	0604755N	Ship Self Defense (Detect & Control)	05	134,619			134,619	U
135	0604756N	Ship Self Defense (Engage: Hard Kill)	05	114,475			114,475	U
136	0604757N	Ship Self Defense (Engage: Soft Kill/EW)	05	114,211			114,211	U
137	0604761N	Intelligence Engineering	05	11,029			11,029	U
138	0604771N	Medical Development	05	9,220			9,220	U
139	0604777N	Navigation/ID System	05	42,723			42,723	U
140	0604800M	Joint Strike Fighter (JSF) - EMD	05	531,426			531,426	U
141	0604800N	Joint Strike Fighter (JSF) - EMD	05	528,716			528,716	U
142	0604810M	Joint Strike Fighter Follow On Development - Marine Corps	05	74,227			74,227	U
143	0604810N	Joint Strike Fighter Follow On Development - Navy	05	63,387			63,387	U
144	0605013M	Information Technology Development	05	4,856			4,856	U
145	0605013N	Information Technology Development	05	97,066			97,066	U
146	0605024N	Anti-Tamper Technology Support	05	2,500			2,500	U
147	0605212N	CH-53K RDTE	05	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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Line No	Program Element Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	Se
150	0605220N	Ship to Shore Connector (SSC)	05	41,616	7,778		7,778	U
151	0605327N	T-AO (X)	05					U
152	0605414N	Carrier Based Aerial Refueling System (CBARS)	05					U
153	0605450N	Joint Air-to-Ground Missile (JAGM)	05	6,104	25,898		25,898	U
154	0605500N	Multi-mission Maritime Aircraft (MMA)	05	297,380	156,293		156,293	U
155	0605504N	Multi-Mission Maritime (MMA) Increment III	05		91,616		91,616	U
156	0204202N	DDG-1000	05	196,987	103,179		103,179	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	U
160	0304785N	Tactical Cryptologic Systems	05	10,157	17,785		17,785	U
161	0305124N	Special Applications Program	05	73,975	35,905		35,905	U
162	0306250M	Cyber Operations Technology Development	05					U
		<b>System Development &amp; Demonstration</b>		<b>5,119,875</b>	<b>6,274,796</b>		<b>6,274,796</b>	
163	0604256N	Threat Simulator Development	06	40,178	30,769		30,769	U
164	0604258N	Target Systems Development	06	66,251	71,152		71,152	U
165	0604759N	Major T&E Investment	06	121,108	61,234		61,234	U
166	0605126N	Joint Theater Air and Missile Defense Organization	06	4,800	6,995		6,995	U
167	0605152N	Studies and Analysis Support - Navy	06	3,412	4,011		4,011	U
168	0605154N	Center for Naval Analyses	06	43,054	47,071		47,071	U
169	0605285N	Next Generation Fighter	06	4,794	5,000		5,000	U
170	0605502N	Small Business Innovative Research	06	325,429				U

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150	0605220N	Ship to Shore Connector (SSC)	05	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	17,880			17,880	U
154	0605500N	Multi-mission Maritime Aircraft (MMA)	05	59,126			59,126	U
155	0605504N	Multi-Mission Maritime (MMA) Increment III	05	182,220			182,220	U
156	0204202N	DDG-1000	05	45,642			45,642	U
157	0303167N	Pre-Auction Spectrum Relocation Fund	05					U
158	0303267N	Auctioned Spectrum Relocation Fund	05					U
159	0304231N	Tactical Command System - MIP	05	676			676	U
160	0304785N	Tactical Cryptologic Systems	05	36,747			36,747	U
161	0305124N	Special Applications Program	05	35,002			35,002	U
162	0306250M	Cyber Operations Technology Development	05	4,942			4,942	U
		<b>System Development &amp; Demonstration</b>		<b>6,025,655</b>			<b>6,025,655</b>	
163	0604256N	Threat Simulator Development	06	16,633			16,633	U
164	0604258N	Target Systems Development	06	36,662			36,662	U
165	0604759N	Major T&E Investment	06	42,109			42,109	U
166	0605126N	Joint Theater Air and Missile Defense Organization	06	2,998			2,998	U
167	0605152N	Studies and Analysis Support - Navy	06	3,931			3,931	U
168	0605154N	Center for Naval Analyses	06	46,634			46,634	U
169	0605285N	Next Generation Fighter	06	1,200			1,200	U
170	0605502N	Small Business Innovative Research	06					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	Se
171	0605804N	Technical Information Services	06	1,290	925		925	U
172	0605853N	Management, Technical & International Support	06	83,789	83,024		83,024	U
173	0605856N	Strategic Technical Support	06	2,500	3,258		3,258	U
174	0605861N	RDT&E Science and Technology Management	06	72,943	76,948		76,948	U
175	0605863N	RDT&E Ship and Aircraft Support	06	127,634	132,122		132,122	U
176	0605864N	Test and Evaluation Support	06	335,791	351,912		351,912	U
177	0605865N	Operational Test and Evaluation Capability	06	16,423	17,985		17,985	U
178	0605866N	Navy Space and Electronic Warfare (SEW) Support	06	2,992	5,316		5,316	U
179	0605867N	SEW Surveillance/Reconnaissance Support	06	8,325	6,519		6,519	U
180	0605873M	Marine Corps Program Wide Support	06	17,449	13,627		13,627	U
181	0605898N	Management HQ - R&D	06					U
182	0606355N	Warfare Innovation Management	06					U
183	0909980N	Judgment Fund Reimbursement	06		353		353	U
184	0909999N	Financing for Cancelled Account Adjustments	06	137	2		2	U
		<b>Management Support</b>		<b>1,278,299</b>	<b>918,223</b>		<b>918,223</b>	
186	0604402N	Unmanned Combat Air Vehicle (UCAV) Advanced Component and Prototype Development	07	35,309				U
187	0605525N	Carrier Onboard Delivery (COD) Follow On	07	8,873				U
188	0607658N	Cooperative Engagement Capability (CEC)	07					U
189	0607700N	Deployable Joint Command and Control	07					U
190	0101221N	Strategic Sub & Weapons System Support	07	93,912	96,404		96,404	U
191	0101224N	SSBN Security Technology Program	07	29,146	46,481		46,481	U
192	0101226N	Submarine Acoustic Warfare Development	07	4,366	4,700		4,700	U

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Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
171	0605804N	Technical Information Services	06	903			903	U
172	0605853N	Management, Technical & International Support	06	87,077			87,077	U
173	0605856N	Strategic Technical Support	06	3,597			3,597	U
174	0605861N	RDT&E Science and Technology Management	06	62,811			62,811	U
175	0605863N	RDT&E Ship and Aircraft Support	06	106,093			106,093	U
176	0605864N	Test and Evaluation Support	06	349,146			349,146	U
177	0605865N	Operational Test and Evaluation Capability	06	18,160			18,160	U
178	0605866N	Navy Space and Electronic Warfare (SEW) Support	06	9,658			9,658	U
179	0605867N	SEW Surveillance/Reconnaissance Support	06	6,500			6,500	U
180	0605873M	Marine Corps Program Wide Support	06	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					U
184	0909999N	Financing for Cancelled Account Adjustments	06					U
		<b>Management Support</b>		<b>853,736</b>			<b>853,736</b>	
186	0604402N	Unmanned Combat Air Vehicle (UCAV) Advanced Component and Prototype Development	07					U
187	0605525N	Carrier Onboard Delivery (COD) Follow On	07					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	136,556			136,556	U
191	0101224N	SSBN Security Technology Program	07	33,845			33,845	U
192	0101226N	Submarine Acoustic Warfare Development	07	9,329			9,329	U

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193	0101402N	Navy Strategic Communications	07	13,535	16,558		16,558	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	U
196	0204163N	Fleet Telecommunications (Tactical)	07	26,333	41,538		41,538	U
197	0204228N	Surface Support	07	3,000	36,045		36,045	U
198	0204229N	Tomahawk and Tomahawk Mission Planning Center (TMPC)	07	25,543	25,227		25,227	U
199	0204311N	Integrated Surveillance System	07	72,315	49,587		49,587	U
200	0204413N	Amphibious Tactical Support Units (Displacement Craft)	07	5,522	11,335		11,335	U
201	0204460M	Ground/Air Task Oriented Radar (G/ATOR)	07	90,577	65,598		65,598	U
202	0204571N	Consolidated Training Systems Development	07	38,359	34,325		34,325	U
203	0204574N	Cryptologic Direct Support	07	1,627	1,915		1,915	U
204	0204575N	Electronic Warfare (EW) Readiness Support	07	15,993	46,403		46,403	U
205	0205601N	HARM Improvement	07	17,377	23,708		23,708	U
206	0205604N	Tactical Data Links	07	135,582	142,361		142,361	U
207	0205620N	Surface ASW Combat System Integration	07	25,567	24,435		24,435	U
208	0205632N	MK-48 ADCAP	07	25,920	47,703		47,703	U
209	0205633N	Aviation Improvements	07	83,083	106,255		106,255	U
210	0205675N	Operational Nuclear Power Systems	07	104,023	101,323		101,323	U
211	0206313M	Marine Corps Communications Systems	07	82,576	77,909		77,909	U
212	0206335M	Common Aviation Command and Control System (CAC2S)	07	31,568	13,431		13,431	U
213	0206623M	Marine Corps Ground Combat/Supporting Arms Systems	07	49,173	48,590		48,590	U
214	0206624M	Marine Corps Combat Services Support	07	18,185	19,955		19,955	U

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193	0101402N	Navy Strategic Communications	07	17,218			17,218	U
194	0203761N	Rapid Technology Transition (RTT)	07					U
195	0204136N	F/A-18 Squadrons	07	189,125			189,125	U
196	0204163N	Fleet Telecommunications (Tactical)	07	48,225			48,225	U
197	0204228N	Surface Support	07	21,156			21,156	U
198	0204229N	Tomahawk and Tomahawk Mission Planning Center (TMPC)	07	71,355			71,355	U
199	0204311N	Integrated Surveillance System	07	58,542			58,542	U
200	0204413N	Amphibious Tactical Support Units (Displacement Craft)	07	13,929			13,929	U
201	0204460M	Ground/Air Task Oriented Radar (G/ATOR)	07	83,538			83,538	U
202	0204571N	Consolidated Training Systems Development	07	38,593			38,593	U
203	0204574N	Cryptologic Direct Support	07	1,122			1,122	U
204	0204575N	Electronic Warfare (EW) Readiness Support	07	99,998			99,998	U
205	0205601N	HARM Improvement	07	48,635			48,635	U
206	0205604N	Tactical Data Links	07	124,785			124,785	U
207	0205620N	Surface ASW Combat System Integration	07	24,583			24,583	U
208	0205632N	MK-48 ADCAP	07	39,134			39,134	U
209	0205633N	Aviation Improvements	07	120,861			120,861	U
210	0205675N	Operational Nuclear Power Systems	07	101,786			101,786	U
211	0206313M	Marine Corps Communications Systems	07	82,159			82,159	U
212	0206335M	Common Aviation Command and Control System (CAC2S)	07	11,850			11,850	U
213	0206623M	Marine Corps Ground Combat/Supporting Arms Systems	07	47,877			47,877	U
214	0206624M	Marine Corps Combat Services Support	07	13,194			13,194	U

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215	0206625M	USMC Intelligence/Electronic Warfare Systems (MIP)	07	16,178	12,671		12,671	U
216	0206629M	Amphibious Assault Vehicle	07	87,940	45,110		45,110	U
217	0207161N	Tactical AIM Missiles	07	36,361	71,016		71,016	U
218	0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	07	9,820	32,172		32,172	U
219	0219902M	Global Combat Support System - Marine Corps (GCSS-MC)	07					U
223	0303109N	Satellite Communications (SPACE)	07	34,716	47,312		47,312	U
224	0303138N	Consolidated Afloat Network Enterprise Services (CANES)	07	24,137	21,667		21,667	U
225	0303140N	Information Systems Security Program	07	22,655	28,081		28,081	U
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	U
229	0305204N	Tactical Unmanned Aerial Vehicles	07	8,505	8,550		8,550	U
230	0305205N	UAS Integration and Interoperability	07		41,831		41,831	U
231	0305208M	Distributed Common Ground/Surface Systems	07	10,916	1,105		1,105	U
232	0305208N	Distributed Common Ground/Surface Systems	07	18,146	23,149		23,149	U
233	0305220N	MQ-4C Triton	07	419,242	227,118		227,118	U
234	0305231N	MQ-8 UAV	07	43,294	52,770		52,770	U
235	0305232M	RQ-11 UAV	07	682	635		635	U
236	0305233N	RQ-7 UAV	07	851	688		688	U
237	0305234N	Small (Level 0) Tactical UAS (STUASL0)	07	4,813	4,647		4,647	U
238	0305239M	RQ-21A	07	7,782	6,251		6,251	U
239	0305241N	Multi-Intelligence Sensor Development	07	17,751	39,645		39,645	U
240	0305242M	Unmanned Aerial Systems (UAS) Payloads (MIP)	07	1,900	9,246		9,246	U



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215	0206625M	USMC Intelligence/Electronic Warfare Systems (MIP)	07	17,171			17,171	U
216	0206629M	Amphibious Assault Vehicle	07	38,020			38,020	U
217	0207161N	Tactical AIM Missiles	07	56,285			56,285	U
218	0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	07	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	37,372			37,372	U
224	0303138N	Consolidated Afloat Network Enterprise Services (CANES)	07	23,541			23,541	U
225	0303140N	Information Systems Security Program	07	38,510			38,510	U
227	0305160N	Navy Meteorological and Ocean Sensors-Space (METOC)	07					U
228	0305192N	Military Intelligence Program (MIP) Activities	07	6,019			6,019	U
229	0305204N	Tactical Unmanned Aerial Vehicles	07	8,436			8,436	U
230	0305205N	UAS Integration and Interoperability	07	36,509			36,509	U
231	0305208M	Distributed Common Ground/Surface Systems	07	2,100			2,100	U
232	0305208N	Distributed Common Ground/Surface Systems	07	44,571			44,571	U
233	0305220N	MQ-4C Triton	07	111,729			111,729	U
234	0305231N	MQ-8 UAV	07	26,518			26,518	U
235	0305232M	RQ-11 UAV	07	418			418	U
236	0305233N	RQ-7 UAV	07	716			716	U
237	0305234N	Small (Level 0) Tactical UAS (STUASL0)	07	5,071			5,071	U
238	0305239M	RQ-21A	07	9,497			9,497	U
239	0305241N	Multi-Intelligence Sensor Development	07	77,965			77,965	U
240	0305242M	Unmanned Aerial Systems (UAS) Payloads (MIP)	07	11,181			11,181	U

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241	0305421N	RQ-4 Modernization	07	30,000	129,892		129,892	U
242	0308601N	Modeling and Simulation Support	07	4,556	4,757		4,757	U
243	0702207N	Depot Maintenance (Non-IF)	07	20,678	24,185		24,185	U
244	0708011N	Industrial Preparedness	07	36,031				U
245	0708730N	Maritime Technology (MARITECH)	07	4,187	4,321		4,321	U
9999	9999999999	Classified Programs		1,197,753	1,492,185	35,747	1,527,932	U
		<b>Operational Systems Development</b>		<b>3,196,179</b>	<b>3,561,983</b>		<b>3,597,730</b>	
		<b>Total Research, Development, Test &amp; Eval, Navy</b>		<b>16,067,423</b>	<b>18,111,247</b>		<b>18,146,994</b>	

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

Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Se
241	0305421N	RQ-4 Modernization	07	181,266			181,266	U
242	0308601N	Modeling and Simulation Support	07	4,709			4,709	U
243	0702207N	Depot Maintenance (Non-IF)	07	49,322			49,322	U
244	0708011N	Industrial Preparedness	07					U
245	0708730N	Maritime Technology (MARITECH)	07	3,204			3,204	U
9999	9999999999	Classified Programs		1,228,460	36,426		1,264,886	U
		<b>Operational Systems Development</b>		<b>3,592,934</b>			<b>3,629,360</b>	
<b>Total Research, Development, Test &amp; Eval, Navy</b>				<b>17,276,301</b>	<b>78,323</b>		<b>17,354,624</b>	

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<u>Summary Recap of Budget Activities</u>	<u>FY 2015 (Base &amp; OCO)</u>	<u>FY 2016 Base Enacted</u>	<u>FY 2016 OCO Enacted</u>	<u>FY 2016 Total Enacted</u>
Basic Research	538,586	530,253		530,253
Applied Research	1,090,419	1,240,141		1,240,141
Advanced Technology Development	606,365	710,377		710,377
Advanced Component Development & Prototypes	1,362,546	1,561,351		1,561,351
System Development & Demonstration	3,516,726	3,907,650		3,907,650
Management Support	1,495,139	1,184,667		1,184,667
Operational Systems Development	15,010,147	16,060,018	17,100	16,077,118
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>23,619,928</b>	<b>25,194,457</b>	<b>17,100</b>	<b>25,211,557</b>
 <u>Summary Recap of FYDP Programs</u>				
Strategic Forces	458,400	606,099		606,099
General Purpose Forces	1,504,009	1,608,728	300	1,609,028
Intelligence and Communications	1,634,882	1,568,630		1,568,630
Mobility Forces	223,007	303,822		303,822
Research and Development	8,505,587	8,808,727		8,808,727
Central Supply and Maintenance	89,056	111,467		111,467
Training Medical and Other	2,538	3,272		3,272
Administration and Associated Activities	108,250	110,346		110,346
Support of Other Nations	3,790	2,315		2,315
Classified Programs	11,090,409	12,071,051	16,800	12,087,851
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>23,619,928</b>	<b>25,194,457</b>	<b>17,100</b>	<b>25,211,557</b>

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<u>Summary Recap of Budget Activities</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 OCO Amendment</u>	<u>FY 2017 Total</u>
Basic Research	500,024			500,024
Applied Research	1,260,152			1,260,152
Advanced Technology Development	725,805			725,805
Advanced Component Development & Prototypes	2,847,833			2,847,833
System Development & Demonstration	4,075,804	425		4,076,229
Management Support	1,245,577			1,245,577
Operational Systems Development	17,457,056	32,480		17,489,536
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>28,112,251</b>	<b>32,905</b>		<b>28,145,156</b>
 <u>Summary Recap of FYDP Programs</u>				
Strategic Forces	636,723			636,723
General Purpose Forces	2,203,903			2,203,903
Intelligence and Communications	1,850,451	4,715		1,855,166
Mobility Forces	505,020			505,020
Research and Development	9,680,261	425		9,680,686
Central Supply and Maintenance	105,997			105,997
Training Medical and Other	3,114			3,114
Administration and Associated Activities	30,441			30,441
Support of Other Nations	4,784			4,784
Classified Programs	13,091,557	27,765		13,119,322
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>28,112,251</b>	<b>32,905</b>		<b>28,145,156</b>

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Appropriation: 3600F Research, Development, Test &amp; 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	Se
1	0601102F	Defense Research Sciences	01	382,332	374,721		374,721	U
2	0601103F	University Research Initiatives	01	142,752	141,754		141,754	U
3	0601108F	High Energy Laser Research Initiatives	01	13,502	13,778		13,778	U
		<b>Basic Research</b>		<b>538,586</b>	<b>530,253</b>		<b>530,253</b>	
4	0602102F	Materials	02	114,302	133,734		133,734	U
5	0602201F	Aerospace Vehicle Technologies	02	101,053	122,969		122,969	U
6	0602202F	Human Effectiveness Applied Research	02	95,727	110,221		110,221	U
7	0602203F	Aerospace Propulsion	02	168,628	185,926		185,926	U
8	0602204F	Aerospace Sensors	02	118,654	152,175		152,175	U
9	0602601F	Space Technology	02	96,425	109,122		109,122	U
10	0602602F	Conventional Munitions	02	86,328	99,851		99,851	U
11	0602605F	Directed Energy Technology	02	126,189	115,105		115,105	U
12	0602788F	Dominant Information Sciences and Methods	02	146,951	169,183		169,183	U
13	0602890F	High Energy Laser Research	02	36,162	41,855		41,855	U
		<b>Applied Research</b>		<b>1,090,419</b>	<b>1,240,141</b>		<b>1,240,141</b>	
14	0603112F	Advanced Materials for Weapon Systems	03	38,262	46,665		46,665	U
15	0603199F	Sustainment Science and Technology (S&T)	03	14,900	18,378		18,378	U
16	0603203F	Advanced Aerospace Sensors	03	34,100	42,001		42,001	U
17	0603211F	Aerospace Technology Dev/Demo	03	86,275	100,622		100,622	U
18	0603216F	Aerospace Propulsion and Power Technology	03	126,729	178,594		178,594	U
19	0603270F	Electronic Combat Technology	03	45,548	46,946		46,946	U
20	0603401F	Advanced Spacecraft Technology	03	65,207	61,813		61,813	U

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

Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
1	0601102F	Defense Research Sciences	01	340,812			340,812	U
2	0601103F	University Research Initiatives	01	145,044			145,044	U
3	0601108F	High Energy Laser Research Initiatives	01	14,168			14,168	U
		<b>Basic Research</b>		<b>500,024</b>			<b>500,024</b>	
4	0602102F	Materials	02	126,152			126,152	U
5	0602201F	Aerospace Vehicle Technologies	02	122,831			122,831	U
6	0602202F	Human Effectiveness Applied Research	02	111,647			111,647	U
7	0602203F	Aerospace Propulsion	02	185,671			185,671	U
8	0602204F	Aerospace Sensors	02	155,174			155,174	U
9	0602601F	Space Technology	02	117,915			117,915	U
10	0602602F	Conventional Munitions	02	109,649			109,649	U
11	0602605F	Directed Energy Technology	02	127,163			127,163	U
12	0602788F	Dominant Information Sciences and Methods	02	161,650			161,650	U
13	0602890F	High Energy Laser Research	02	42,300			42,300	U
		<b>Applied Research</b>		<b>1,260,152</b>			<b>1,260,152</b>	
14	0603112F	Advanced Materials for Weapon Systems	03	35,137			35,137	U
15	0603199F	Sustainment Science and Technology (S&T)	03	20,636			20,636	U
16	0603203F	Advanced Aerospace Sensors	03	40,945			40,945	U
17	0603211F	Aerospace Technology Dev/Demo	03	130,950			130,950	U
18	0603216F	Aerospace Propulsion and Power Technology	03	94,594			94,594	U
19	0603270F	Electronic Combat Technology	03	58,250			58,250	U
20	0603401F	Advanced Spacecraft Technology	03	61,593			61,593	U

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Appropriation: 3600F Research, Development, Test &amp; 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	Se
21	0603444F	Maui Space Surveillance System (MSSS)	03	13,185	12,853		12,853	U
22	0603456F	Human Effectiveness Advanced Technology Development	03	21,142	25,448		25,448	U
23	0603601F	Conventional Weapons Technology	03	41,385	43,036		43,036	U
24	0603605F	Advanced Weapons Technology	03	33,681	35,195		35,195	U
25	0603680F	Manufacturing Technology Program	03	51,613	52,630		52,630	U
26	0603788F	Battlespace Knowledge Development and Demonstration	03	34,338	46,196		46,196	U
		<b>Advanced Technology Development</b>		<b>606,365</b>	<b>710,377</b>		<b>710,377</b>	
27	0603260F	Intelligence Advanced Development	04	5,408	5,032		5,032	U
28	0603438F	Space Control Technology	04	5,799	4,057		4,057	U
29	0603742F	Combat Identification Technology	04	10,606	21,790		21,790	U
30	0603790F	NATO Research and Development	04	2,309	4,736		4,736	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	U
33	0603851F	Intercontinental Ballistic Missile - Dem/Val	04	30,388	39,765		39,765	U
34	0603859F	Pollution Prevention - Dem/Val	04	965				U
35	0604015F	Long Range Strike - Bomber	04	883,363	736,228		736,228	U
36	0604257F	Advanced Technology and Sensors	04					U
37	0604317F	Technology Transfer	04	4,683	7,612		7,612	U
38	0604327F	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	04		54,637		54,637	U
39	0604422F	Weather System Follow-on	04	30,890	56,044		56,044	U
40	0604425F	Space Situation Awareness Systems	04					U
41	0604776F	Deployment & Distribution Enterprise R&D	04					U



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Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
21	0603444F	Maui Space Surveillance System (MSSS)	03	11,681			11,681	U
22	0603456F	Human Effectiveness Advanced Technology Development	03	26,492			26,492	U
23	0603601F	Conventional Weapons Technology	03	102,009			102,009	U
24	0603605F	Advanced Weapons Technology	03	39,064			39,064	U
25	0603680F	Manufacturing Technology Program	03	46,344			46,344	U
26	0603788F	Battlespace Knowledge Development and Demonstration	03	58,110			58,110	U
		<b>Advanced Technology Development</b>		<b>725,805</b>			<b>725,805</b>	
27	0603260F	Intelligence Advanced Development	04	5,598			5,598	U
28	0603438F	Space Control Technology	04	7,534			7,534	U
29	0603742F	Combat Identification Technology	04	24,418			24,418	U
30	0603790F	NATO Research and Development	04	4,333			4,333	U
31	0603791F	International Space Cooperative R&D	04					U
32	0603830F	Space Security and Defense Program	04	32,399			32,399	U
33	0603851F	Intercontinental Ballistic Missile - Dem/Val	04	108,663			108,663	U
34	0603859F	Pollution Prevention - Dem/Val	04					U
35	0604015F	Long Range Strike - Bomber	04	1,358,309			1,358,309	U
36	0604257F	Advanced Technology and Sensors	04	34,818			34,818	U
37	0604317F	Technology Transfer	04	3,368			3,368	U
38	0604327F	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	04	74,308			74,308	U
39	0604422F	Weather System Follow-on	04	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

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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	Se
42	0604857F	Operationally Responsive Space	04	20,000	18,437		18,437	U
43	0604858F	Tech Transition Program	04	79,887	266,514		266,514	U
44	0605230F	Ground Based Strategic Deterrent	04		75,166		75,166	U
45	0201184F	Counter Narco-Terrorism Program Office	04	650				U
46	0207110F	Next Generation Air Dominance	04	18,224	8,830		8,830	U
47	0207455F	Three Dimensional Long-Range Radar (3DELRR)	04	85,832	8,139		8,139	U
48	0305164F	NAVSTAR Global Positioning System (User Equipment) (SPACE)	04	152,144	141,861		141,861	U
49	0305236F	Common Data Link Executive Agent (CDL EA)	04					U
50	0306250F	Cyber Operations Technology Development	04		81,732		81,732	U
51	0306415F	Enabled Cyber Activities	04					U
52	0901410F	Contracting Information Technology System	04					U
		<b>Advanced Component Development &amp; Prototypes</b>		<b>1,362,546</b>	<b>1,561,351</b>		<b>1,561,351</b>	
53	0604233F	Specialized Undergraduate Flight Training	05	12,903				U
54	0604270F	Electronic Warfare Development	05	7,815	843		843	U
55	0604281F	Tactical Data Networks Enterprise	05	30,282	59,996		59,996	U
56	0604287F	Physical Security Equipment	05	3,926	5,973		5,973	U
57	0604329F	Small Diameter Bomb (SDB) - EMD	05	66,374	29,083		29,083	U
58	0604421F	Counterspace Systems	05	22,654	24,134		24,134	U
59	0604425F	Space Situation Awareness Systems	05	9,031	29,288		29,288	U
60	0604426F	Space Fence	05	191,708	240,692		240,692	U
61	0604429F	Airborne Electronic Attack	05	26,555	8,358		8,358	U
62	0604441F	Space Based Infrared System (SBIRS) High EMD	05	308,788	291,510		291,510	U

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Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
42	0604857F	Operationally Responsive Space	04	7,921			7,921	U
43	0604858F	Tech Transition Program	04	347,304			347,304	U
44	0605230F	Ground Based Strategic Deterrent	04	113,919			113,919	U
45	0201184F	Counter Narco-Terrorism Program Office	04					U
46	0207110F	Next Generation Air Dominance	04	20,595			20,595	U
47	0207455F	Three Dimensional Long-Range Radar (3DELRR)	04	49,491			49,491	U
48	0305164F	NAVSTAR Global Positioning System (User Equipment) (SPACE)	04	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	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
		<b>Advanced Component Development &amp; Prototypes</b>		<b>2,847,833</b>			<b>2,847,833</b>	
53	0604233F	Specialized Undergraduate Flight Training	05					U
54	0604270F	Electronic Warfare Development	05	12,476			12,476	U
55	0604281F	Tactical Data Networks Enterprise	05	82,380			82,380	U
56	0604287F	Physical Security Equipment	05	8,458			8,458	U
57	0604329F	Small Diameter Bomb (SDB) - EMD	05	54,838			54,838	U
58	0604421F	Counterspace Systems	05	34,394	425		34,819	U
59	0604425F	Space Situation Awareness Systems	05	23,945			23,945	U
60	0604426F	Space Fence	05	168,364			168,364	U
61	0604429F	Airborne Electronic Attack	05	9,187			9,187	U
62	0604441F	Space Based Infrared System (SBIRS) High EMD	05	181,966			181,966	U

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Appropriation: 3600F Research, Development, Test &amp; 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	Se
63	0604602F	Armament/Ordnance Development	05	28,667	37,654		37,654	U
64	0604604F	Submunitions	05	2,543	2,506		2,506	U
65	0604617F	Agile Combat Support	05	41,857	56,178		56,178	U
66	0604618F	Joint Direct Attack Munition	05					U
67	0604706F	Life Support Systems	05	14,697	8,187		8,187	U
68	0604735F	Combat Training Ranges	05	9,812	11,795		11,795	U
69	0604800F	F-35 - EMD	05	566,937	586,953		586,953	U
70	0604853F	Evolved Expendable Launch Vehicle Program (SPACE) - EMD	05	225,600	227,784		227,784	U
71	0604932F	Long Range Standoff Weapon	05	3,438	16,143		16,143	U
72	0604933F	ICBM Fuze Modernization	05	57,893	142,551		142,551	U
73	0605030F	Joint Tactical Network Center (JTNC)	05					U
74	0605213F	F-22 Modernization Increment 3.2B	05	163,877	140,640		140,640	U
75	0605214F	Ground Attack Weapons Fuze Development	05	5,177	3,598		3,598	U
76	0605221F	KC-46	05	763,224	592,364		592,364	U
77	0605223F	Advanced Pilot Training	05	8,201	10,395		10,395	U
78	0605229F	Combat Rescue Helicopter	05	100,000	156,085		156,085	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	U
81	0605432F	Polar MILSATCOM (SPACE)	05	99,788	71,867		71,867	U
82	0605433F	Wideband Global SATCOM (SPACE)	05	28,345	52,185		52,185	U
83	0605458F	Air & Space Ops Center 10.2 RDT&E	05	83,245	47,629		47,629	U
84	0605931F	B-2 Defensive Management System	05	95,440	271,961		271,961	U

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

Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
63	0604602F	Armament/Ordnance Development	05	20,312			20,312	U
64	0604604F	Submunitions	05	2,503			2,503	U
65	0604617F	Agile Combat Support	05	53,680			53,680	U
66	0604618F	Joint Direct Attack Munition	05	9,901			9,901	U
67	0604706F	Life Support Systems	05	7,520			7,520	U
68	0604735F	Combat Training Ranges	05	77,409			77,409	U
69	0604800F	F-35 - EMD	05	450,467			450,467	U
70	0604853F	Evolved Expendable Launch Vehicle Program (SPACE) - EMD	05	296,572			296,572	U
71	0604932F	Long Range Standoff Weapon	05	95,604			95,604	U
72	0604933F	ICBM Fuze Modernization	05	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	70,290			70,290	U
75	0605214F	Ground Attack Weapons Fuze Development	05	937			937	U
76	0605221F	KC-46	05	261,724			261,724	U
77	0605223F	Advanced Pilot Training	05	12,377			12,377	U
78	0605229F	Combat Rescue Helicopter	05	319,331			319,331	U
79	0605278F	HC/MC-130 Recap RDT&E	05					U
80	0605431F	Advanced EHF MILSATCOM (SPACE)	05	259,131			259,131	U
81	0605432F	Polar MILSATCOM (SPACE)	05	50,815			50,815	U
82	0605433F	Wideband Global SATCOM (SPACE)	05	41,632			41,632	U
83	0605458F	Air & Space Ops Center 10.2 RDT&E	05	28,911			28,911	U
84	0605931F	B-2 Defensive Management System	05	315,615			315,615	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	Se
85	0101125F	Nuclear Weapons Modernization	05	148,281	212,121		212,121	U
86	0207171F	F-15 EPAWSS	05		180,681		180,681	U
87	0207701F	Full Combat Mission Training	05	8,831	18,082		18,082	U
88	0305176F	Combat Survivor Evader Locator	05		993		993	U
89	0307581F	JSTARS Recap	05	70,879	44,343		44,343	U
90	0401319F	Presidential Aircraft Recapitalization (PAR)	05	11,006	82,420		82,420	U
91	0701212F	Automated Test Systems	05		14,563		14,563	U
		<b>System Development &amp; Demonstration</b>		<b>3,516,726</b>	<b>3,907,650</b>		<b>3,907,650</b>	
92	0604256F	Threat Simulator Development	06	24,318	23,844		23,844	U
93	0604759F	Major T&E Investment	06	45,985	73,302		73,302	U
94	0605101F	RAND Project Air Force	06	31,164	34,918		34,918	U
95	0605502F	Small Business Innovation Research	06	324,371				U
96	0605712F	Initial Operational Test & Evaluation	06	8,916	10,476		10,476	U
97	0605807F	Test and Evaluation Support	06	691,977	683,308		683,308	U
98	0605860F	Rocket Systems Launch Program (SPACE)	06	33,420	21,792		21,792	U
99	0605864F	Space Test Program (STP)	06	20,552	28,143		28,143	U
100	0605976F	Facilities Restoration and Modernization - Test and Evaluation Support	06	46,955	40,518		40,518	U
101	0605978F	Facilities Sustainment - Test and Evaluation Support	06	32,965	27,895		27,895	U
102	0606017F	Requirements Analysis and Maturation	06	18,673	22,507		22,507	U
103	0606116F	Space Test and Training Range Development	06	22,724	18,940		18,940	U
104	0606392F	Space and Missile Center (SMC) Civilian Workforce	06	166,727	176,196		176,196	U
105	0308602F	ENTEPRISE INFORMATION SERVICES (EIS)	06	4,912	3,841		3,841	U

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Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
85	0101125F	Nuclear Weapons Modernization	05	137,909			137,909	U
86	0207171F	F-15 EPAWSS	05	256,669			256,669	U
87	0207701F	Full Combat Mission Training	05	12,051			12,051	U
88	0305176F	Combat Survivor Evader Locator	05	29,253			29,253	U
89	0307581F	JSTARS Recap	05	128,019			128,019	U
90	0401319F	Presidential Aircraft Recapitalization (PAR)	05	351,220			351,220	U
91	0701212F	Automated Test Systems	05	19,062			19,062	U
		<b>System Development &amp; Demonstration</b>		<b>4,075,804</b>	<b>425</b>		<b>4,076,229</b>	
92	0604256F	Threat Simulator Development	06	21,630			21,630	U
93	0604759F	Major T&E Investment	06	66,385			66,385	U
94	0605101F	RAND Project Air Force	06	34,641			34,641	U
95	0605502F	Small Business Innovation Research	06					U
96	0605712F	Initial Operational Test & Evaluation	06	11,529			11,529	U
97	0605807F	Test and Evaluation Support	06	661,417			661,417	U
98	0605860F	Rocket Systems Launch Program (SPACE)	06	11,198			11,198	U
99	0605864F	Space Test Program (STP)	06	27,070			27,070	U
100	0605976F	Facilities Restoration and Modernization - Test and Evaluation Support	06	134,111			134,111	U
101	0605978F	Facilities Sustainment - Test and Evaluation Support	06	28,091			28,091	U
102	0606017F	Requirements Analysis and Maturation	06	29,100			29,100	U
103	0606116F	Space Test and Training Range Development	06	18,528			18,528	U
104	0606392F	Space and Missile Center (SMC) Civilian Workforce	06	176,666			176,666	U
105	0308602F	ENTEPRISE INFORMATION SERVICES (EIS)	06	4,410			4,410	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	Se
106	0702806F	Acquisition and Management Support	06	16,115	15,357		15,357	U
107	0804731F	General Skill Training	06	1,425	1,315		1,315	U
108	0909999F	Financing for Cancelled Account Adjustments	06	150				U
109	1001004F	International Activities	06	3,790	2,315		2,315	U
		<b>Management Support</b>		<b>1,495,139</b>	<b>1,184,667</b>		<b>1,184,667</b>	
110	0603423F	Global Positioning System III - Operational Control Segment	07	334,631	349,181		349,181	U
111	0604233F	Specialized Undergraduate Flight Training	07		8,565		8,565	U
112	0604445F	Wide Area Surveillance	07	2,000	22,577		22,577	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	U
116	0605024F	Anti-Tamper Technology Executive Agency	07	33,775	26,718		26,718	U
117	0605117F	Foreign Materiel Acquisition and Exploitation	07		41,689		41,689	U
118	0605278F	HC/MC-130 Recap RDT&E	07		10,807		10,807	U
119	0101113F	B-52 Squadrons	07	41,072	74,520		74,520	U
120	0101122F	Air-Launched Cruise Missile (ALCM)	07	450	451		451	U
121	0101126F	B-1B Squadrons	07	4,208	2,245		2,245	U
122	0101127F	B-2 Squadrons	07	112,691	108,183		108,183	U
123	0101213F	Minuteman Squadrons	07	116,344	166,729		166,729	U
124	0101313F	Integrated Strategic Planning and Analysis Network (ISPAN) - USSTRATCOM	07	31,046	28,358		28,358	U
125	0101314F	Night Fist - USSTRATCOM	07		87		87	U
126	0101316F	Worldwide Joint Strategic Communications	07		5,315		5,315	U
128	0102110F	UH-1N Replacement Program	07					U



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106	0702806F	Acquisition and Management Support	06	14,613			14,613	U
107	0804731F	General Skill Training	06	1,404			1,404	U
108	0909999F	Financing for Cancelled Account Adjustments	06					U
109	1001004F	International Activities	06	4,784			4,784	U
		<b>Management Support</b>		<b>1,245,577</b>			<b>1,245,577</b>	
110	0603423F	Global Positioning System III - Operational Control Segment	07	393,268			393,268	U
111	0604233F	Specialized Undergraduate Flight Training	07	15,427			15,427	U
112	0604445F	Wide Area Surveillance	07	46,695			46,695	U
114	0604618F	Joint Direct Attack Munition	07					U
115	0605018F	AF Integrated Personnel and Pay System (AF-IPPS)	07	10,368			10,368	U
116	0605024F	Anti-Tamper Technology Executive Agency	07	31,952			31,952	U
117	0605117F	Foreign Materiel Acquisition and Exploitation	07	42,960			42,960	U
118	0605278F	HC/MC-130 Recap RDT&E	07	13,987			13,987	U
119	0101113F	B-52 Squadrons	07	78,267			78,267	U
120	0101122F	Air-Launched Cruise Missile (ALCM)	07	453			453	U
121	0101126F	B-1B Squadrons	07	5,830			5,830	U
122	0101127F	B-2 Squadrons	07	152,458			152,458	U
123	0101213F	Minuteman Squadrons	07	182,958			182,958	U
124	0101313F	Integrated Strategic Planning and Analysis Network (ISPAN) - USSTRATCOM	07	39,148			39,148	U
125	0101314F	Night Fist - USSTRATCOM	07					U
126	0101316F	Worldwide Joint Strategic Communications	07	6,042			6,042	U
128	0102110F	UH-1N Replacement Program	07	14,116			14,116	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	Se
129	0102326F	Region/Sector Operation Control Center Modernization Program	07	1,229				U
130	0105921F	Service Support to STRATCOM - Space Activities	07	3,079	8,090		8,090	U
131	0205219F	MQ-9 UAV	07	141,528	122,731		122,731	U
132	0205671F	Joint Counter RCIED Electronic Warfare	07			300	300	U
133	0207131F	A-10 Squadrons	07		16,200		16,200	U
134	0207133F	F-16 Squadrons	07	130,376	166,297		166,297	U
135	0207134F	F-15E Squadrons	07	233,898	205,979		205,979	U
136	0207136F	Manned Destructive Suppression	07	14,413	14,860		14,860	U
137	0207138F	F-22A Squadrons	07	146,291	231,599		231,599	U
138	0207142F	F-35 Squadrons	07	39,275	53,921		53,921	U
139	0207161F	Tactical AIM Missiles	07	28,820	43,360		43,360	U
140	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	07	79,767	46,160		46,160	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	U
144	0207247F	AF TENCAP	07	6,974	31,428		31,428	U
145	0207249F	Precision Attack Systems Procurement	07	835	1,105		1,105	U
146	0207253F	Compass Call	07	16,480	14,187		14,187	U
147	0207268F	Aircraft Engine Component Improvement Program	07	93,160	103,942		103,942	U
148	0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	07	12,414	9,793		9,793	U
149	0207410F	Air & Space Operations Center (AOC)	07	25,661	21,102		21,102	U
150	0207412F	Control and Reporting Center (CRC)	07		557		557	U

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Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
129	0102326F	Region/Sector Operation Control Center Modernization Program	07	10,868			10,868	U
130	0105921F	Service Support to STRATCOM - Space Activities	07	8,674			8,674	U
131	0205219F	MQ-9 UAV	07	151,373			151,373	U
132	0205671F	Joint Counter RCIED Electronic Warfare	07					U
133	0207131F	A-10 Squadrons	07	14,853			14,853	U
134	0207133F	F-16 Squadrons	07	132,795			132,795	U
135	0207134F	F-15E Squadrons	07	356,717			356,717	U
136	0207136F	Manned Destructive Suppression	07	14,773			14,773	U
137	0207138F	F-22A Squadrons	07	387,564			387,564	U
138	0207142F	F-35 Squadrons	07	153,045			153,045	U
139	0207161F	Tactical AIM Missiles	07	52,898			52,898	U
140	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	07	62,470			62,470	U
141	0207171F	F-15 EPAWSS	07					U
142	0207224F	Combat Rescue and Recovery	07					U
143	0207227F	Combat Rescue - Pararescue	07	362			362	U
144	0207247F	AF TENCAP	07	28,413			28,413	U
145	0207249F	Precision Attack Systems Procurement	07	649			649	U
146	0207253F	Compass Call	07	13,723			13,723	U
147	0207268F	Aircraft Engine Component Improvement Program	07	109,859			109,859	U
148	0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	07	30,002			30,002	U
149	0207410F	Air & Space Operations Center (AOC)	07	37,621			37,621	U
150	0207412F	Control and Reporting Center (CRC)	07	13,292			13,292	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	Se
151	0207417F	Airborne Warning and Control System (AWACS)	07	172,785	131,812		131,812	U
152	0207418F	Tactical Airborne Control Systems	07	3,650	6,001		6,001	U
154	0207431F	Combat Air Intelligence System Activities	07	7,291	6,793		6,793	U
155	0207444F	Tactical Air Control Party-Mod	07	4,616	12,411		12,411	U
156	0207448F	C2ISR Tactical Data Link	07	1,699	1,674		1,674	U
157	0207452F	DCAPES	07	806	16,723		16,723	U
158	0207590F	Seek Eagle	07	23,472	21,564		21,564	U
159	0207601F	USAF Modeling and Simulation	07	11,687	24,945		24,945	U
160	0207605F	Wargaming and Simulation Centers	07	5,749	6,035		6,035	U
161	0207697F	Distributed Training and Exercises	07	3,251	4,358		4,358	U
162	0208006F	Mission Planning Systems	07	58,782	55,835		55,835	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	U
165	0208088F	AF Defensive Cyberspace Operations	07	5,436	7,681		7,681	U
168	0301017F	Global Sensor Integrated on Network (GSIN)	07		5,974		5,974	U
169	0301112F	Nuclear Planning and Execution System (NPES)	07					U
175	0301400F	Space Superiority Intelligence	07	10,697	12,315		12,315	U
176	0302015F	E-4B National Airborne Operations Center (NAOC)	07	24,963	76,760		76,760	U
177	0303001F	Family of Advanced BLoS Terminals (FAB-T)	07		3,895		3,895	U
178	0303131F	Minimum Essential Emergency Communications Network (MEECN)	07	87,240	74,712		74,712	U
179	0303140F	Information Systems Security Program	07	64,972	46,303		46,303	U
180	0303141F	Global Combat Support System	07	692				U

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151	0207417F	Airborne Warning and Control System (AWACS)	07	86,644			86,644	U
152	0207418F	Tactical Airborne Control Systems	07	2,442			2,442	U
154	0207431F	Combat Air Intelligence System Activities	07	10,911			10,911	U
155	0207444F	Tactical Air Control Party-Mod	07	11,843			11,843	U
156	0207448F	C2ISR Tactical Data Link	07	1,515			1,515	U
157	0207452F	DCAPES	07	14,979			14,979	U
158	0207590F	Seek Eagle	07	25,308			25,308	U
159	0207601F	USAF Modeling and Simulation	07	16,666			16,666	U
160	0207605F	Wargaming and Simulation Centers	07	4,245			4,245	U
161	0207697F	Distributed Training and Exercises	07	3,886			3,886	U
162	0208006F	Mission Planning Systems	07	71,785			71,785	U
163	0208059F	Service Support to Other Core Missions - STRATCOM (CYBERCOM Activities)	07					U
164	0208087F	AF Offensive Cyberspace Operations	07	25,025			25,025	U
165	0208088F	AF Defensive Cyberspace Operations	07	29,439			29,439	U
168	0301017F	Global Sensor Integrated on Network (GSIN)	07	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	13,880			13,880	U
176	0302015F	E-4B National Airborne Operations Center (NAOC)	07	30,948			30,948	U
177	0303001F	Family of Advanced BLoS Terminals (FAB-T)	07	42,378			42,378	U
178	0303131F	Minimum Essential Emergency Communications Network (MEECN)	07	47,471			47,471	U
179	0303140F	Information Systems Security Program	07	46,388			46,388	U
180	0303141F	Global Combat Support System	07	52			52	U

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181	0303142F	Global Force Management - Data Initiative	07		2,470		2,470	U
182	0303601F	MILSATCOM Terminals	07	57,930				U
184	0304260F	Airborne SIGINT Enterprise	07	72,910	112,775		112,775	U
187	0305099F	Global Air Traffic Management (GATM)	07	4,157	4,217		4,217	U
188	0305110F	Satellite Control Network (SPACE)	07	18,806	7,861		7,861	U
189	0305111F	Weather Service	07	19,404	29,826		29,826	U
190	0305114F	Air Traffic Control, Approach, and Landing System (ATCALs)	07	25,309	19,392		19,392	U
191	0305116F	Aerial Targets	07	8,537	2,515		2,515	U
194	0305128F	Security and Investigative Activities	07		472		472	U
195	0305145F	Arms Control Implementation	07	13,222	9,137		9,137	U
196	0305146F	Defense Joint Counterintelligence Activities	07	40	361		361	U
199	0305173F	Space and Missile Test and Evaluation Center	07	3,490	3,152		3,152	U
200	0305174F	Space Innovation, Integration and Rapid Technology Development	07	1,999	1,543		1,543	U
201	0305179F	Integrated Broadcast Service (IBS)	07	8,592	7,860		7,860	U
202	0305182F	Spacelift Range System (SPACE)	07	10,134	6,881		6,881	U
203	0305202F	Dragon U-2	07	5,511	34,471		34,471	U
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	U
206	0305207F	Manned Reconnaissance Systems	07	14,116	13,245		13,245	U
207	0305208F	Distributed Common Ground/Surface Systems	07	26,993	22,686		22,686	U
208	0305220F	RQ-4 UAV	07	241,828	188,053		188,053	U
209	0305221F	Network-Centric Collaborative Targeting	07	11,096	19,587		19,587	U

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181	0303142F	Global Force Management - Data Initiative	07	2,099			2,099	U
182	0303601F	MILSATCOM Terminals	07					U
184	0304260F	Airborne SIGINT Enterprise	07	90,762			90,762	U
187	0305099F	Global Air Traffic Management (GATM)	07	4,354			4,354	U
188	0305110F	Satellite Control Network (SPACE)	07	15,624			15,624	U
189	0305111F	Weather Service	07	19,974			19,974	U
190	0305114F	Air Traffic Control, Approach, and Landing System (ATCALs)	07	9,770			9,770	U
191	0305116F	Aerial Targets	07	3,051			3,051	U
194	0305128F	Security and Investigative Activities	07	405			405	U
195	0305145F	Arms Control Implementation	07	4,844			4,844	U
196	0305146F	Defense Joint Counterintelligence Activities	07	339			339	U
199	0305173F	Space and Missile Test and Evaluation Center	07	3,989			3,989	U
200	0305174F	Space Innovation, Integration and Rapid Technology Development	07	3,070	4,715		7,785	U
201	0305179F	Integrated Broadcast Service (IBS)	07	8,833			8,833	U
202	0305182F	Spacelift Range System (SPACE)	07	11,867			11,867	U
203	0305202F	Dragon U-2	07	37,217			37,217	U
204	0305205F	Endurance Unmanned Aerial Vehicles	07					U
205	0305206F	Airborne Reconnaissance Systems	07	3,841			3,841	U
206	0305207F	Manned Reconnaissance Systems	07	20,975			20,975	U
207	0305208F	Distributed Common Ground/Surface Systems	07	18,902			18,902	U
208	0305220F	RQ-4 UAV	07	256,307			256,307	U
209	0305221F	Network-Centric Collaborative Targeting	07	22,610			22,610	U

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Nov 2016

Appropriation: 3600F Research, Development, Test &amp; 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	Se
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	U
212	0305240F	Support to DCGS Enterprise	07	17,115	28,336		28,336	U
213	0305258F	Advanced Evaluation Program	07					U
214	0305265F	GPS III Space Segment	07	204,864	180,359		180,359	U
215	0305600F	International Intelligence Technology and Architectures	07	2,270	2,298		2,298	U
216	0305614F	JSPOC Mission System	07	83,277	80,669		80,669	U
217	0305881F	Rapid Cyber Acquisition	07	3,959	3,149		3,149	U
218	0305906F	NCCM - TW/AA System	07					U
219	0305913F	NUDET Detection System (SPACE)	07	20,405	14,403		14,403	U
220	0305940F	Space Situation Awareness Operations	07	11,017	20,016		20,016	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	U
223	0401115F	C-130 Airlift Squadron	07		33,962		33,962	U
224	0401119F	C-5 Airlift Squadrons (IF)	07	31,772	22,864		22,864	U
225	0401130F	C-17 Aircraft (IF)	07	72,566	48,807		48,807	U
226	0401132F	C-130J Program	07	26,715	25,010		25,010	U
227	0401134F	Large Aircraft IR Countermeasures (LAIRCM)	07	4,672	6,802		6,802	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	U
230	0401318F	CV-22	07	37,698	27,776		27,776	U
231	0408011F	Special Tactics / Combat Control	07	8,081	7,929		7,929	U

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

Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
210	0305236F	Common Data Link Executive Agent (CDL EA)	07					U
211	0305238F	NATO AGS	07	38,904			38,904	U
212	0305240F	Support to DCGS Enterprise	07	23,084			23,084	U
213	0305258F	Advanced Evaluation Program	07	116,143			116,143	U
214	0305265F	GPS III Space Segment	07	141,888			141,888	U
215	0305600F	International Intelligence Technology and Architectures	07	2,360			2,360	U
216	0305614F	JSPOC Mission System	07	72,889			72,889	U
217	0305881F	Rapid Cyber Acquisition	07	4,280			4,280	U
218	0305906F	NCCM - TW/AA System	07	4,951			4,951	U
219	0305913F	NUDET Detection System (SPACE)	07	21,093			21,093	U
220	0305940F	Space Situation Awareness Operations	07	35,002			35,002	U
221	0306250F	Cyber Operations Technology Development	07					U
222	0308699F	Shared Early Warning (SEW)	07	6,366			6,366	U
223	0401115F	C-130 Airlift Squadron	07	15,599			15,599	U
224	0401119F	C-5 Airlift Squadrons (IF)	07	66,146			66,146	U
225	0401130F	C-17 Aircraft (IF)	07	12,430			12,430	U
226	0401132F	C-130J Program	07	16,776			16,776	U
227	0401134F	Large Aircraft IR Countermeasures (LAIRCM)	07	5,166			5,166	U
228	0401219F	KC-10s	07					U
229	0401314F	Operational Support Airlift	07	13,817			13,817	U
230	0401318F	CV-22	07	16,702			16,702	U
231	0408011F	Special Tactics / Combat Control	07	7,164			7,164	U

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

Line	Program Element No	Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	Se c
232	0702207F		Depot Maintenance (Non-IF)	07	1,407	1,525		1,525	U
233	0708610F		Logistics Information Technology (LOGIT)	07	56,325	67,915		67,915	U
234	0708611F		Support Systems Development	07	15,209	12,107		12,107	U
235	0804743F		Other Flight Training	07	987	1,836		1,836	U
236	0808716F		Other Personnel Activities	07	126	121		121	U
237	0901202F		Joint Personnel Recovery Agency	07	2,523	5,911		5,911	U
238	0901218F		Civilian Compensation Program	07	2,418	3,604		3,604	U
239	0901220F		Personnel Administration	07	6,381	4,598		4,598	U
240	0901226F		Air Force Studies and Analysis Agency	07	1,346	1,103		1,103	U
241	0901279F		Facilities Operation - Administrative	07	3,666				U
242	0901538F		Financial Management Information Systems Development	07	91,766	95,130		95,130	U
9999	9999999999		Classified Programs		11,090,409	12,071,051	16,800	12,087,851	U
			<b>Operational Systems Development</b>		<b>15,010,147</b>	<b>16,060,018</b>	<b>17,100</b>	<b>16,077,118</b>	
			<b>Total Research, Development, Test &amp; Eval, AF</b>		<b>23,619,928</b>	<b>25,194,457</b>	<b>17,100</b>	<b>25,211,557</b>	

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

Line	Program Element No	Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
232	0702207F		Depot Maintenance (Non-IF)	07	1,518			1,518	U
233	0708610F		Logistics Information Technology (LOGIT)	07	61,676			61,676	U
234	0708611F		Support Systems Development	07	9,128			9,128	U
235	0804743F		Other Flight Training	07	1,653			1,653	U
236	0808716F		Other Personnel Activities	07	57			57	U
237	0901202F		Joint Personnel Recovery Agency	07	3,663			3,663	U
238	0901218F		Civilian Compensation Program	07	3,735			3,735	U
239	0901220F		Personnel Administration	07	5,157			5,157	U
240	0901226F		Air Force Studies and Analysis Agency	07	1,523			1,523	U
241	0901279F		Facilities Operation - Administrative	07					U
242	0901538F		Financial Management Information Systems Development	07	10,581			10,581	U
9999	9999999999		Classified Programs		13,091,557	27,765		13,119,322	U
			<b>Operational Systems Development</b>		<b>17,457,056</b>	<b>32,480</b>		<b>17,489,536</b>	
			<b>Total Research, Development, Test &amp; Eval, AF</b>		<b>28,112,251</b>	<b>32,905</b>		<b>28,145,156</b>	

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<u>Summary Recap of Budget Activities</u>	<u>FY 2015 (Base &amp; OCO)</u>	<u>FY 2016 Base Enacted</u>	<u>FY 2016 OCO Enacted</u>	<u>FY 2016 Total Enacted</u>
Basic Research	592,634	637,989		637,989
Applied Research	1,667,621	1,697,301		1,697,301
Advanced Technology Development	2,911,445	3,157,257	40,000	3,197,257
Advanced Component Development And Prototypes	6,234,147	7,199,010		7,199,010
System Development And Demonstration	611,986	521,497		521,497
Management Support	1,271,083	1,056,435		1,056,435
Operational System Development	4,158,925	4,412,170	137,087	4,549,257
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>17,447,841</b>	<b>18,681,659</b>	<b>177,087</b>	<b>18,858,746</b>
 <u>Summary Recap of FYDP Programs</u>				
General Purpose Forces	84,502	73,109		73,109
Intelligence and Communications	455,292	514,433		514,433
Research and Development	13,051,747	14,027,045	40,000	14,067,045
Central Supply and Maintenance	21,927	24,375		24,375
Training Medical and Other	38,266	42,679		42,679
Administration and Associated Activities	40,316	39,799		39,799
Special Operations Forces	473,921	483,783		483,783
Classified Programs	3,281,870	3,476,436	137,087	3,613,523
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>17,447,841</b>	<b>18,681,659</b>	<b>177,087</b>	<b>18,858,746</b>

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<u>Summary Recap of Budget Activities</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 OCO Amendment</u>	<u>FY 2017 Total</u>
Basic Research	629,895			629,895
Applied Research	1,786,523			1,786,523
Advanced Technology Development	3,190,666			3,190,666
Advanced Component Development And Prototypes	6,919,519			6,919,519
System Development And Demonstration	628,218			628,218
Management Support	897,599			897,599
Operational System Development	4,256,406	162,419	3,000	4,421,825
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>18,308,826</b>	<b>162,419</b>	<b>3,000</b>	<b>18,474,245</b>
 <u>Summary Recap of FYDP Programs</u>				
General Purpose Forces	70,075			70,075
Intelligence and Communications	555,112			555,112
Research and Development	13,793,461			13,793,461
Central Supply and Maintenance	3,908			3,908
Training Medical and Other	34,384			34,384
Administration and Associated Activities	32,813			32,813
Special Operations Forces	491,759			491,759
Classified Programs	3,327,314	162,419	3,000	3,492,733
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>18,308,826</b>	<b>162,419</b>	<b>3,000</b>	<b>18,474,245</b>

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<u>Appropriation</u>	<u>FY 2015 (Base &amp; OCO)</u>	<u>FY 2016 Base Enacted</u>	<u>FY 2016 OCO Enacted</u>	<u>FY 2016 Total Enacted</u>
Chemical and Biological Defense Program	1,064,464	978,766		978,766
Defense Advanced Research Projects Agency	2,915,932	2,868,281		2,868,281
Defense Contract Management Agency	12,530	12,042		12,042
Defense Reserve				
Defense-Wide				
Defense Human Resources Activity	19,430	18,695		18,695
Defense Intelligence Agency				
Defense Information Systems Agency	215,982	209,712		209,712
Defense Logistics Agency	221,245	214,251		214,251
Defense Security Cooperative Agency	12,386	10,510		10,510
Defense Security Service	12,658	8,462		8,462
Defense Technical Information Center	50,789	56,775		56,775
Defense Threat Reduction Agency	487,802	488,817		488,817
Missile Defense Agency	5,647,845	6,215,381		6,215,381
National Geospatial Intelligence Agency				
National Security Agency				
Office of Secretary of Defense	2,685,149	3,279,688	40,000	3,319,688
U.S., Special Operations Command	495,001	554,145		554,145
The Joint Staff	150,372	76,865		76,865
Washington Headquarters Services	612	975		975
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>17,447,841</b>	<b>18,681,659</b>	<b>177,087</b>	<b>18,858,746</b>

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<u>Appropriation</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 OCO Amendment</u>	<u>FY 2017 Total</u>
Chemical and Biological Defense Program	884,989			884,989
Defense Advanced Research Projects Agency	2,973,036			2,973,036
Defense Contract Management Agency	11,505			11,505
Defense Reserve				
Defense-Wide				
Defense Human Resources Activity	23,898			23,898
Defense Intelligence Agency				
Defense Information Systems Agency	251,852			251,852
Defense Logistics Agency	188,241			188,241
Defense Security Cooperative Agency	9,572			9,572
Defense Security Service	9,275			9,275
Defense Technical Information Center	48,234			48,234
Defense Threat Reduction Agency	461,305			461,305
Missile Defense Agency	5,892,757			5,892,757
National Geospatial Intelligence Agency				
National Security Agency				
Office of Secretary of Defense	3,430,277			3,430,277
U.S., Special Operations Command	497,174			497,174
The Joint Staff	68,586			68,586
Washington Headquarters Services	827			827
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>18,308,826</b>			<b>18,474,245</b>

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

Line	Program Element No	Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	Se c
1	0601000BR		DTRA Basic Research Initiative	01	36,607	38,436		38,436	U
2	0601101E		Defense Research Sciences	01	322,030	333,119		333,119	U
3	0601110D8Z		Basic Research Initiatives	01	41,054	71,940		71,940	U
4	0601117E		Basic Operational Medical Research Science	01	59,341	56,544		56,544	U
5	0601120D8Z		National Defense Education Program	01	54,619	54,355		54,355	U
6	0601228D8Z		Historically Black Colleges and Universities/Minority Institutions	01	33,263	35,834		35,834	U
7	0601384BP		Chemical and Biological Defense Program	01	45,720	47,761		47,761	U
			<b>Basic Research</b>		<b>592,634</b>	<b>637,989</b>		<b>637,989</b>	
8	0602000D8Z		Joint Munitions Technology	02	19,491	19,314		19,314	U
9	0602115E		Biomedical Technology	02	164,589	114,262		114,262	U
10	0602230D8Z		Defense Technology Innovation	02					U
11	0602234D8Z		Lincoln Laboratory Research Program	02	49,409	50,925		50,925	U
12	0602251D8Z		Applied Research for the Advancement of S&T Priorities	02	40,168	48,131		48,131	U
13	0602303E		Information & Communications Technology	02	315,923	341,358		341,358	U
14	0602383E		Biological Warfare Defense	02	42,447	24,265		24,265	U
15	0602384BP		Chemical and Biological Defense Program	02	212,538	202,611		202,611	U
16	0602668D8Z		Cyber Security Research	02	17,748	13,701		13,701	U
17	0602702E		Tactical Technology	02	299,787	302,582		302,582	U
18	0602715E		Materials and Biological Technology	02	144,409	206,115		206,115	U
19	0602716E		Electronics Technology	02	169,690	174,798		174,798	U
20	0602718BR		Weapons of Mass Destruction Defeat Technologies	02	147,019	152,915		152,915	U
21	0602751D8Z		Software Engineering Institute (SEI) Applied Research	02	8,844	8,807		8,807	U



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

Line	Program Element	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
No	Number			Base	OCO	OCO Amendment	Total	
1	0601000BR	DTRA Basic Research Initiative	01	35,436			35,436	U
2	0601101E	Defense Research Sciences	01	362,297			362,297	U
3	0601110D8Z	Basic Research Initiatives	01	36,654			36,654	U
4	0601117E	Basic Operational Medical Research Science	01	57,791			57,791	U
5	0601120D8Z	National Defense Education Program	01	69,345			69,345	U
6	0601228D8Z	Historically Black Colleges and Universities/Minority Institutions	01	23,572			23,572	U
7	0601384BP	Chemical and Biological Defense Program	01	44,800			44,800	U
	<b>Basic Research</b>			<b>629,895</b>			<b>629,895</b>	
8	0602000D8Z	Joint Munitions Technology	02	17,745			17,745	U
9	0602115E	Biomedical Technology	02	115,213			115,213	U
10	0602230D8Z	Defense Technology Innovation	02	30,000			30,000	U
11	0602234D8Z	Lincoln Laboratory Research Program	02	48,269			48,269	U
12	0602251D8Z	Applied Research for the Advancement of S&T Priorities	02	42,206			42,206	U
13	0602303E	Information & Communications Technology	02	353,635			353,635	U
14	0602383E	Biological Warfare Defense	02	21,250			21,250	U
15	0602384BP	Chemical and Biological Defense Program	02	188,715			188,715	U
16	0602668D8Z	Cyber Security Research	02	12,183			12,183	U
17	0602702E	Tactical Technology	02	313,843			313,843	U
18	0602715E	Materials and Biological Technology	02	220,456			220,456	U
19	0602716E	Electronics Technology	02	221,911			221,911	U
20	0602718BR	Weapons of Mass Destruction Defeat Technologies	02	154,857			154,857	U
21	0602751D8Z	Software Engineering Institute (SEI) Applied Research	02	8,420			8,420	U

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

Line	Program Element	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
22	1160401BB	SOF Technology Development	02	35,559	37,517		37,517	U
		<b>Applied Research</b>		<b>1,667,621</b>	<b>1,697,301</b>		<b>1,697,301</b>	
23	0603000D8Z	Joint Munitions Advanced Technology	03	24,132	25,864		25,864	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	U
26	0603133D8Z	Foreign Comparative Testing	03	21,128	24,782		24,782	U
27	0603160BR	Counterproliferation Initiatives - Proliferation Prevention and Defeat	03	287,903	290,310		290,310	U
28	0603176C	Advanced Concepts and Performance Assessment	03	9,999	12,139		12,139	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	U
31	0603179C	Advanced C4ISR	03	13,061	9,876		9,876	U
32	0603180C	Advanced Research	03	18,476	17,364		17,364	U
33	0603225D8Z	Joint DoD-DoE Munitions Technology Development	03	17,889	18,765		18,765	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	U
36	0603286E	Advanced Aerospace Systems	03	123,292	173,631		173,631	U
37	0603287E	Space Programs and Technology	03	172,504	126,692		126,692	U
38	0603288D8Z	Analytic Assessments	03	13,299	14,645		14,645	U
39	0603289D8Z	Advanced Innovative Analysis and Concepts	03	48,760	50,030		50,030	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	U
42	0603384BP	Chemical and Biological Defense Program - Advanced Development	03	147,141	140,094		140,094	U

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 (Dollars in Thousands)

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

Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
22	1160401BB	SOF Technology Development	02	37,820			37,820	U
		<b>Applied Research</b>		<b>1,786,523</b>			<b>1,786,523</b>	
23	0603000D8Z	Joint Munitions Advanced Technology	03	23,902			23,902	U
24	0603121D8Z	SO/LIC Advanced Development	03					U
25	0603122D8Z	Combating Terrorism Technology Support	03	73,002			73,002	U
26	0603133D8Z	Foreign Comparative Testing	03	19,343			19,343	U
27	0603160BR	Counterproliferation Initiatives - Proliferation Prevention and Defeat	03	266,444			266,444	U
28	0603176C	Advanced Concepts and Performance Assessment	03	17,880			17,880	U
29	0603177C	Discrimination Sensor Technology	03					U
30	0603178C	Weapons Technology	03	71,843			71,843	U
31	0603179C	Advanced C4ISR	03	3,626			3,626	U
32	0603180C	Advanced Research	03	23,433			23,433	U
33	0603225D8Z	Joint DoD-DoE Munitions Technology Development	03	17,256			17,256	U
34	0603264S	Agile Transportation for the 21st Century (AT21) - Theater Capability	03					U
35	0603274C	Special Program - MDA Technology	03	83,745			83,745	U
36	0603286E	Advanced Aerospace Systems	03	182,327			182,327	U
37	0603287E	Space Programs and Technology	03	175,240			175,240	U
38	0603288D8Z	Analytic Assessments	03	12,048			12,048	U
39	0603289D8Z	Advanced Innovative Analysis and Concepts	03	57,020			57,020	U
40	0603294C	Common Kill Vehicle Technology	03					U
41	0603375D8Z	Technology Innovation	03	39,923			39,923	U
42	0603384BP	Chemical and Biological Defense Program - Advanced Development	03	127,941			127,941	U

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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	S e c
43	0603527D8Z	RETRACT LARCH	03		108,430		108,430	U
44	0603618D8Z	Joint Electronic Advanced Technology	03	10,757	30,879		30,879	U
45	0603648D8Z	Joint Capability Technology Demonstrations	03	116,234	132,258		132,258	U
46	0603662D8Z	Networked Communications Capabilities	03		5,967		5,967	U
47	0603680D8Z	Defense-Wide Manufacturing Science and Technology Program	03	88,135	156,743		156,743	U
48	0603680S	Manufacturing Technology Program	03					U
49	0603699D8Z	Emerging Capabilities Technology Development	03	68,640	40,949		40,949	U
50	0603712S	Generic Logistics R&D Technology Demonstrations	03	22,224	15,537		15,537	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	U
53	0603720S	Microelectronics Technology Development and Support	03	81,199	89,038		89,038	U
54	0603727D8Z	Joint Warfighting Program	03	10,108	4,982		4,982	U
55	0603739E	Advanced Electronics Technologies	03	81,119	76,021		76,021	U
56	0603760E	Command, Control and Communications Systems	03	229,945	201,335		201,335	U
57	0603766E	Network-Centric Warfare Technology	03	350,323	425,861		425,861	U
58	0603767E	Sensor Technology	03	283,905	240,127		240,127	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	U
61	0603826D8Z	Quick Reaction Special Projects	03	55,821	70,320		70,320	U
62	0603832D8Z	DoD Modeling and Simulation Management Office	03	2,908				U
63	0603833D8Z	Engineering Science & Technology	03		18,341		18,341	U
64	0603941D8Z	Test & Evaluation Science & Technology	03	79,073	91,425		91,425	U

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Line	Program Element			FY 2017	FY 2017	FY 2017	FY 2017	S
<u>No</u>	<u>Number</u>	<u>Item</u>	<u>Act</u>	<u>Base</u>	<u>OCO</u>	<u>OCO Amendment</u>	<u>Total</u>	<u>c</u>
43	0603527D8Z	RETRACT LARCH	03	181,977			181,977	U
44	0603618D8Z	Joint Electronic Advanced Technology	03	22,030			22,030	U
45	0603648D8Z	Joint Capability Technology Demonstrations	03	148,184			148,184	U
46	0603662D8Z	Networked Communications Capabilities	03	9,331			9,331	U
47	0603680D8Z	Defense-Wide Manufacturing Science and Technology Program	03	158,398			158,398	U
48	0603680S	Manufacturing Technology Program	03	31,259			31,259	U
49	0603699D8Z	Emerging Capabilities Technology Development	03	49,895			49,895	U
50	0603712S	Generic Logistics R&D Technology Demonstrations	03	11,011			11,011	U
51	0603713S	Deployment and Distribution Enterprise Technology	03					U
52	0603716D8Z	Strategic Environmental Research Program	03	65,078			65,078	U
53	0603720S	Microelectronics Technology Development and Support	03	97,826			97,826	U
54	0603727D8Z	Joint Warfighting Program	03	7,848			7,848	U
55	0603739E	Advanced Electronics Technologies	03	49,807			49,807	U
56	0603760E	Command, Control and Communications Systems	03	155,081			155,081	U
57	0603766E	Network-Centric Warfare Technology	03	428,894			428,894	U
58	0603767E	Sensor Technology	03	241,288			241,288	U
59	0603769SE	Distributed Learning Advanced Technology Development	03					U
60	0603781D8Z	Software Engineering Institute	03	14,264			14,264	U
61	0603826D8Z	Quick Reaction Special Projects	03	74,943			74,943	U
62	0603832D8Z	DoD Modeling and Simulation Management Office	03					U
63	0603833D8Z	Engineering Science & Technology	03	17,659			17,659	U
64	0603941D8Z	Test & Evaluation Science & Technology	03	87,135			87,135	U

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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	S e c
65	0604055D8Z	Operational Energy Capability Improvement	03	45,060	41,420		41,420	U
66	0303310D8Z	CWMD Systems	03	44,690	42,404		42,404	U
67	1160402BB	SOF Advanced Technology Development	03	49,878	59,741		59,741	U
		<b>Advanced Technology Development</b>		<b>2,911,445</b>	<b>3,157,257</b>	<b>40,000</b>	<b>3,197,257</b>	
68	0603161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E ADC&P	04	40,088	31,648		31,648	U
69	0603600D8Z	WALKOFF	04	98,547	90,387		90,387	U
70	0603714D8Z	Advanced Sensors Application Program	04	19,482	15,869		15,869	U
71	0603821D8Z	Acquisition Enterprise Data & Information Services	04					U
72	0603851D8Z	Environmental Security Technical Certification Program	04	62,432	52,654		52,654	U
73	0603881C	Ballistic Missile Defense Terminal Defense Segment	04	161,298	212,230		212,230	U
74	0603882C	Ballistic Missile Defense Midcourse Defense Segment	04	863,965	1,269,913		1,269,913	U
75	0603884BP	Chemical and Biological Defense Program - Dem/Val	04	180,962	170,354		170,354	U
76	0603884C	Ballistic Missile Defense Sensors	04	260,347	228,392		228,392	U
77	0603890C	BMD Enabling Programs	04	395,927	404,780		404,780	U
78	0603891C	Special Programs - MDA	04	301,201	400,387		400,387	U
79	0603892C	AEGIS BMD	04	761,646	830,647		830,647	U
80	0603893C	Space Tracking & Surveillance System	04	29,530	28,605		28,605	U
81	0603895C	Ballistic Missile Defense System Space Programs	04	7,560	21,507		21,507	U
82	0603896C	Ballistic Missile Defense Command and Control, Battle Management and Communicati	04	420,516	429,853		429,853	U
83	0603898C	Ballistic Missile Defense Joint Warfighter Support	04	44,220	47,898		47,898	U
84	0603904C	Missile Defense Integration & Operations Center (MDIOC)	04	53,972	47,939		47,939	U
85	0603906C	Regarding Trench	04	15,912	9,583		9,583	U

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Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
65	0604055D8Z	Operational Energy Capability Improvement	03	37,329			37,329	U
66	0303310D8Z	CWMD Systems	03	44,836			44,836	U
67	1160402BB	SOF Advanced Technology Development	03	61,620			61,620	U
		<b>Advanced Technology Development</b>		<b>3,190,666</b>			<b>3,190,666</b>	
68	0603161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E ADC&P	04	28,498			28,498	U
69	0603600D8Z	WALKOFF	04	89,643			89,643	U
70	0603714D8Z	Advanced Sensors Application Program	04					U
71	0603821D8Z	Acquisition Enterprise Data & Information Services	04	2,136			2,136	U
72	0603851D8Z	Environmental Security Technical Certification Program	04	52,491			52,491	U
73	0603881C	Ballistic Missile Defense Terminal Defense Segment	04	206,834			206,834	U
74	0603882C	Ballistic Missile Defense Midcourse Defense Segment	04	862,080			862,080	U
75	0603884BP	Chemical and Biological Defense Program - Dem/Val	04	138,187			138,187	U
76	0603884C	Ballistic Missile Defense Sensors	04	230,077			230,077	U
77	0603890C	BMD Enabling Programs	04	401,594			401,594	U
78	0603891C	Special Programs - MDA	04	321,607			321,607	U
79	0603892C	AEGIS BMD	04	959,066			959,066	U
80	0603893C	Space Tracking & Surveillance System	04	32,129			32,129	U
81	0603895C	Ballistic Missile Defense System Space Programs	04	20,690			20,690	U
82	0603896C	Ballistic Missile Defense Command and Control, Battle Management and Communicati	04	439,617			439,617	U
83	0603898C	Ballistic Missile Defense Joint Warfighter Support	04	47,776			47,776	U
84	0603904C	Missile Defense Integration & Operations Center (MDIOC)	04	54,750			54,750	U
85	0603906C	Regarding Trench	04	8,785			8,785	U

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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	S e c
86	0603907C	Sea Based X-Band Radar (SBX)	04	64,610	71,266		71,266	U
87	0603913C	Israeli Cooperative Programs	04	268,842	267,595		267,595	U
88	0603914C	Ballistic Missile Defense Test	04	354,414	281,740		281,740	U
89	0603915C	Ballistic Missile Defense Targets	04	447,424	527,563		527,563	U
90	0603920D8Z	Humanitarian Demining	04	9,930	10,110		10,110	U
91	0603923D8Z	Coalition Warfare	04	9,974	10,330		10,330	U
92	0604016D8Z	Department of Defense Corrosion Program	04	12,519	6,518		6,518	U
93	0604115C	Technology Maturation Initiatives	04		27,225		27,225	U
94	0604132D8Z	Missile Defeat Project	04					U
95	0604250D8Z	Advanced Innovative Technologies	04	170,872	468,881		468,881	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	U
98	0604445J	Wide Area Surveillance	04	59,823				U
99	0604682D8Z	Wargaming and Support for Strategic Analysis (SSA)	04					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	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	U
105	0604874C	Improved Homeland Defense Interceptors	04	97,739	278,944		278,944	U
106	0604876C	Ballistic Missile Defense Terminal Defense Segment Test	04	109,394	26,225		26,225	U
107	0604878C	Aegis BMD Test	04	88,041	78,468		78,468	U



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Line	Program Element No	Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
86	0603907C		Sea Based X-Band Radar (SBX)	04	68,787			68,787	U
87	0603913C		Israeli Cooperative Programs	04	103,835			103,835	U
88	0603914C		Ballistic Missile Defense Test	04	293,441			293,441	U
89	0603915C		Ballistic Missile Defense Targets	04	563,576			563,576	U
90	0603920D8Z		Humanitarian Demining	04	10,007			10,007	U
91	0603923D8Z		Coalition Warfare	04	10,126			10,126	U
92	0604016D8Z		Department of Defense Corrosion Program	04	3,893			3,893	U
93	0604115C		Technology Maturation Initiatives	04	90,266			90,266	U
94	0604132D8Z		Missile Defeat Project	04	45,000			45,000	U
95	0604250D8Z		Advanced Innovative Technologies	04	844,870			844,870	U
96	0604342D8Z		Defense Technology Offset	04					U
97	0604400D8Z		Department of Defense (DoD) Unmanned System Common Development	04	3,320			3,320	U
98	0604445J		Wide Area Surveillance	04					U
99	0604682D8Z		Wargaming and Support for Strategic Analysis (SSA)	04	4,000			4,000	U
100	0604775D8Z		Defense Rapid Innovation Program	04					U
101	0604787J		Joint Systems Integration	04					U
102	0604826J		Joint C5 Capability Development, Integration and interoperability Assessments	04	23,642			23,642	U
103	0604828J		Joint FIRES Integration and Interoperability Team	04					U
104	0604873C		Long Range Discrimination Radar (LRDR)	04	162,012			162,012	U
105	0604874C		Improved Homeland Defense Interceptors	04	274,148			274,148	U
106	0604876C		Ballistic Missile Defense Terminal Defense Segment Test	04	63,444			63,444	U
107	0604878C		Aegis BMD Test	04	95,012			95,012	U

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Line	Program Element No	Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
108	0604879C		Ballistic Missile Defense Sensor Test	04	60,048	83,597		83,597	U
109	0604880C		Land-Based SM-3 (LBSM3)	04	121,413	34,970		34,970	U
110	0604881C		AEGIS SM-3 Block IIA Co-Development	04	259,278	172,645		172,645	U
111	0604887C		Ballistic Missile Defense Midcourse Segment Test	04	78,463	64,618		64,618	U
112	0604894C		Multi-Object Kill Vehicle	04					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	U
115	0305103C		Cyber Security Initiative	04	944	963		963	U
			<b>Advanced Component Development And Prototypes</b>		<b>6,234,147</b>	<b>7,199,010</b>		<b>7,199,010</b>	
116	0604161D8Z		Nuclear and Conventional Physical Security Equipment RDT&E SDD	05	7,775	8,783		8,783	U
117	0604165D8Z		Prompt Global Strike Capability Development	05	95,588	88,660		88,660	U
118	0604384BP		Chemical and Biological Defense Program - EMD	05	330,326	282,147		282,147	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	U
121	0605000BR		Weapons of Mass Destruction Defeat Capabilities	05	6,667	7,156		7,156	U
122	0605013BL		Information Technology Development	05	12,530	12,042		12,042	U
123	0605021SE		Homeland Personnel Security Initiative	05	286				U
124	0605022D8Z		Defense Exportability Program	05	3,150	3,267		3,267	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	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	U

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Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
108	0604879C	Ballistic Missile Defense Sensor Test	04	83,250			83,250	U
109	0604880C	Land-Based SM-3 (LBSM3)	04	43,293			43,293	U
110	0604881C	AEGIS SM-3 Block IIA Co-Development	04	106,038			106,038	U
111	0604887C	Ballistic Missile Defense Midcourse Segment Test	04	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					U
114	0303191D8Z	Joint Electromagnetic Technology (JET) Program	04	2,636			2,636	U
115	0305103C	Cyber Security Initiative	04	969			969	U
		<b>Advanced Component Development And Prototypes</b>		<b>6,919,519</b>			<b>6,919,519</b>	
116	0604161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E SDD	05	10,324			10,324	U
117	0604165D8Z	Prompt Global Strike Capability Development	05	181,303			181,303	U
118	0604384BP	Chemical and Biological Defense Program - EMD	05	266,231			266,231	U
119	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	05					U
120	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	05	16,288			16,288	U
121	0605000BR	Weapons of Mass Destruction Defeat Capabilities	05	4,568			4,568	U
122	0605013BL	Information Technology Development	05	11,505			11,505	U
123	0605021SE	Homeland Personnel Security Initiative	05	1,658			1,658	U
124	0605022D8Z	Defense Exportability Program	05	2,920			2,920	U
125	0605027D8Z	OUSD(C) IT Development Initiatives	05					U
126	0605070S	DOD Enterprise Systems Development and Demonstration	05	12,631			12,631	U
127	0605075D8Z	DCMO Policy and Integration	05					U
128	0605080S	Defense Agency Initiatives (DAI) - Financial System	05	26,657			26,657	U

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129	0605090S		Defense Retired and Annuitant Pay System (DRAS)	05	9,801	10,135		10,135	U
130	0605140D8Z		Trusted Foundry	05					U
131	0605210D8Z		Defense-Wide Electronic Procurement Capabilities	05	9,227	7,209		7,209	U
132	0303141K		Global Combat Support System	05	14,240	14,294		14,294	U
133	0305304D8Z		DoD Enterprise Energy Information Management (EEIM)	05	3,538	4,406		4,406	U
			<b>System Development And Demonstration</b>		<b>611,986</b>	<b>521,497</b>		<b>521,497</b>	
134	0604774D8Z		Defense Readiness Reporting System (DRRS)	06	5,605	5,571		5,571	U
135	0604875D8Z		Joint Systems Architecture Development	06	2,986	3,076		3,076	U
136	0604940D8Z		Central Test and Evaluation Investment Development (CTEIP)	06	234,011	213,668		213,668	U
137	0604942D8Z		Assessments and Evaluations	06	15,220	28,618		28,618	U
138	0605001E		Mission Support	06					U
139	0605100D8Z		Joint Mission Environment Test Capability (JMETC)	06	26,736	40,146		40,146	U
140	0605104D8Z		Technical Studies, Support and Analysis	06	23,735	24,887		24,887	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	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	U
145	0605151D8Z		Studies and Analysis Support - OSD	06	2,645	2,710		2,710	U
146	0605161D8Z		Nuclear Matters-Physical Security	06	4,213	5,277		5,277	U
147	0605170D8Z		Support to Networks and Information Integration	06	27,012	5,279		5,279	U
148	0605200D8Z		General Support to USD (Intelligence)	06	2,846	1,686		1,686	U
149	0605384BP		Chemical and Biological Defense Program	06	104,597	102,238		102,238	U

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

Line	Program Element	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
No	Number			Base	OCO	OCO Amendment	Total	
129	0605090S	Defense Retired and Annuitant Pay System (DRAS)	05	4,949			4,949	U
130	0605140D8Z	Trusted Foundry	05	69,000			69,000	U
131	0605210D8Z	Defense-Wide Electronic Procurement Capabilities	05	9,881			9,881	U
132	0303141K	Global Combat Support System	05	7,600			7,600	U
133	0305304D8Z	DoD Enterprise Energy Information Management (EEIM)	05	2,703			2,703	U
		<b>System Development And Demonstration</b>		<b>628,218</b>			<b>628,218</b>	
134	0604774D8Z	Defense Readiness Reporting System (DRRS)	06	4,678			4,678	U
135	0604875D8Z	Joint Systems Architecture Development	06	4,499			4,499	U
136	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	06	219,199			219,199	U
137	0604942D8Z	Assessments and Evaluations	06	28,706			28,706	U
138	0605001E	Mission Support	06	69,244			69,244	U
139	0605100D8Z	Joint Mission Environment Test Capability (JMETC)	06	87,080			87,080	U
140	0605104D8Z	Technical Studies, Support and Analysis	06	23,069			23,069	U
141	0605117D8Z	Foreign Materiel Acquisition and Exploitation	06					U
142	0605126J	Joint Integrated Air and Missile Defense Organization (JIAMDO)	06	32,759			32,759	U
143	0605128D8Z	Classified Program USD(P)	06					U
144	0605142D8Z	Systems Engineering	06	32,429			32,429	U
145	0605151D8Z	Studies and Analysis Support - OSD	06	3,797			3,797	U
146	0605161D8Z	Nuclear Matters-Physical Security	06	5,302			5,302	U
147	0605170D8Z	Support to Networks and Information Integration	06	7,246			7,246	U
148	0605200D8Z	General Support to USD (Intelligence)	06	1,874			1,874	U
149	0605384BP	Chemical and Biological Defense Program	06	85,754			85,754	U

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

Line	Program Element No	Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
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
158	0605790D8Z		Small Business Innovation Research (SBIR)/ Small Business Technology Transfer	06	1,631	2,166		2,166	U
159	0605798D8Z		Defense Technology Analysis	06	21,357	115,933		115,933	U
160	0605801KA		Defense Technical Information Center (DTIC)	06	50,389	56,775		56,775	U
161	0605803SE		R&D in Support of DoD Enlistment, Testing and Evaluation	06	8,452	7,924		7,924	U
162	0605804D8Z		Development Test and Evaluation	06	18,833	21,337		21,337	U
163	0605898E		Management HQ - R&D	06	71,362	71,571		71,571	U
164	0605998KA		Management HQ - Defense Technical Information Center (DTIC)	06					U
165	0606100D8Z		Budget and Program Assessments	06	4,030	4,116		4,116	U
166	0203345D8Z		Defense Operations Security Initiative (DOSI)	06	1,900	1,943		1,943	U
167	0204571J		Joint Staff Analytical Support	06	16,404	5,983		5,983	U
170	0303166J		Support to Information Operations (IO) Capabilities	06	12,179	10,404		10,404	U
171	0303260D8Z		Defense Military Deception Program Office (DMDPO)	06		971		971	U
172	0305172K		Combined Advanced Applications	06					U
173	0305193D8Z		Cyber Intelligence	06	6,735	6,567		6,567	U

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

Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
150	0605502BP	Small Business Innovative Research - Chemical Biological Def	06					U
151	0605502BR	Small Business Innovation Research	06					U
152	0605502C	Small Business Innovation Research - MDA	06					U
153	0605502D8Z	Small Business Innovative Research	06					U
154	0605502E	Small Business Innovative Research	06					U
155	0605502KA	Small Business Innovative Research	06					U
156	0605502S	Small Business Innovative Research	06					U
157	0605502T	Small Business Innovative Research	06					U
158	0605790D8Z	Small Business Innovation Research (SBIR)/ Small Business Technology Transfer	06	2,187			2,187	U
159	0605798D8Z	Defense Technology Analysis	06	22,650			22,650	U
160	0605801KA	Defense Technical Information Center (DTIC)	06	43,834			43,834	U
161	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	06	22,240			22,240	U
162	0605804D8Z	Development Test and Evaluation	06	19,541			19,541	U
163	0605898E	Management HQ - R&D	06	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	4,014			4,014	U
166	0203345D8Z	Defense Operations Security Initiative (DOSI)	06	2,072			2,072	U
167	0204571J	Joint Staff Analytical Support	06	7,464			7,464	U
170	0303166J	Support to Information Operations (IO) Capabilities	06	857			857	U
171	0303260D8Z	Defense Military Deception Program Office (DMDPO)	06	916			916	U
172	0305172K	Combined Advanced Applications	06	15,336			15,336	U
173	0305193D8Z	Cyber Intelligence	06	18,523			18,523	U

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 Total Obligational Authority  
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Appropriation: 0400D Research, Development, Test &amp; Eval, DW

Line	Program Element	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
175	0804767D8Z	COCOM Exercise Engagement and Training Transformation (CE2T2) - MHA	06	38,266	42,679		42,679	U
176	0901598C	Management HQ - MDA	06	35,598	35,871		35,871	U
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					U
180	0909999D8Z	Financing for Cancelled Account Adjustments	06	995				U
9999	9999999999	Classified Programs		44,346	49,500		49,500	U
		<b>Management Support</b>		<b>1,271,083</b>	<b>1,056,435</b>		<b>1,056,435</b>	
181	0604130V	Enterprise Security System (ESS)	07	3,988	5,929		5,929	U
182	0605127T	Regional International Outreach (RIO) and Partnership for Peace Information Mana	07	1,694	1,750		1,750	U
183	0605147T	Overseas Humanitarian Assistance Shared Information System (OHASIS)	07	275	294		294	U
184	0607210D8Z	Industrial Base Analysis and Sustainment Support	07	14,282	22,532		22,532	U
185	0607310D8Z	CWMD Systems: Operational Systems Development	07	2,849	1,898		1,898	U
186	0607327T	Global Theater Security Cooperation Management Information Systems (G-TSCMIS)	07	10,008	8,466		8,466	U
187	0607384BP	Chemical and Biological Defense (Operational Systems Development)	07	28,102	33,561		33,561	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	U
190	0208045K	C4I Interoperability	07	62,902	63,341		63,341	U
192	0301144K	Joint/Allied Coalition Information Sharing	07	3,931	1,845		1,845	U
196	0302016K	National Military Command System-Wide Support	07	924	963		963	U
197	0302019K	Defense Info Infrastructure Engineering and Integration	07	12,680	10,120		10,120	U



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

Line	Program Element No	Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
175	0804767D8Z		COCOM Exercise Engagement and Training Transformation (CE2T2) - MHA	06	34,384			34,384	U
176	0901598C		Management HQ - MDA	06	31,160			31,160	U
177	0901598D8W		Management Headquarters WHS	06					U
178	0903230D8W		WHS - Mission Operations Support - IT	06					U
179	0903235D8W		Joint Service Provider (JSP)	06	827			827	U
180	0909999D8Z		Financing for Cancelled Account Adjustments	06					U
9999	9999999999		Classified Programs		56,799			56,799	U
			<b>Management Support</b>		<b>897,599</b>			<b>897,599</b>	
181	0604130V		Enterprise Security System (ESS)	07	4,241			4,241	U
182	0605127T		Regional International Outreach (RIO) and Partnership for Peace Information Mana	07	1,424			1,424	U
183	0605147T		Overseas Humanitarian Assistance Shared Information System (OHASIS)	07	287			287	U
184	0607210D8Z		Industrial Base Analysis and Sustainment Support	07	16,195			16,195	U
185	0607310D8Z		CWMD Systems: Operational Systems Development	07	4,194			4,194	U
186	0607327T		Global Theater Security Cooperation Management Information Systems (G-TSCMIS)	07	7,861			7,861	U
187	0607384BP		Chemical and Biological Defense (Operational Systems Development)	07	33,361			33,361	U
188	0607828J		Joint Integration and Interoperability	07					U
189	0208043J		Planning and Decision Aid System (PDAS)	07	3,038			3,038	U
190	0208045K		C4I Interoperability	07	57,501			57,501	U
192	0301144K		Joint/Allied Coalition Information Sharing	07	5,935			5,935	U
196	0302016K		National Military Command System-Wide Support	07	575			575	U
197	0302019K		Defense Info Infrastructure Engineering and Integration	07	18,041			18,041	U

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Line	Program Element No	Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
198	0303126K		Long-Haul Communications - DCS	07	26,209	36,830		36,830	U
199	0303131K		Minimum Essential Emergency Communications Network (MEECN)	07	12,671	13,735		13,735	U
200	0303135G		Public Key Infrastructure (PKI)	07	222	6,101		6,101	U
201	0303136G		Key Management Infrastructure (KMI)	07	32,698	43,867		43,867	U
202	0303140D8Z		Information Systems Security Program	07	10,933	8,940		8,940	U
203	0303140G		Information Systems Security Program	07	138,854	161,890		161,890	U
204	0303150K		Global Command and Control System	07	30,536	21,503		21,503	U
205	0303153K		Defense Spectrum Organization	07	13,614	20,298		20,298	U
206	0303170K		Net-Centric Enterprise Services (NCES)	07	3,774	444		444	U
207	0303228K		Joint Information Environment (JIE)	07					U
208	0303260D8Z		Defense Military Deception Program Office (DMDPO)	07	925				U
209	0303430K		Federal Investigative Services Information Technology	07					U
210	0303610K		Teleport Program	07	3,158	1,736		1,736	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	U
216	0305125D8Z		Critical Infrastructure Protection (CIP)	07	8,702				U
220	0305186D8Z		Policy R&D Programs	07	7,005	4,175		4,175	U
221	0305199D8Z		Net Centricity	07	23,229	18,095		18,095	U
223	0305208BB		Distributed Common Ground/Surface Systems	07	6,262	5,302		5,302	U
226	0305208K		Distributed Common Ground/Surface Systems	07	3,328	3,239		3,239	U
229	0305327V		Insider Threat	07	8,670	2,533		2,533	U
230	0305387D8Z		Homeland Defense Technology Transfer Program	07	2,088	2,116		2,116	U

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

Line	Program Element No Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
198	0303126K	Long-Haul Communications - DCS	07	13,994			13,994	U
199	0303131K	Minimum Essential Emergency Communications Network (MEECN)	07	12,206			12,206	U
200	0303135G	Public Key Infrastructure (PKI)	07	34,314			34,314	U
201	0303136G	Key Management Infrastructure (KMI)	07	36,602			36,602	U
202	0303140D8Z	Information Systems Security Program	07	8,876			8,876	U
203	0303140G	Information Systems Security Program	07	159,068			159,068	U
204	0303150K	Global Command and Control System	07	24,438			24,438	U
205	0303153K	Defense Spectrum Organization	07	13,197			13,197	U
206	0303170K	Net-Centric Enterprise Services (NCES)	07					U
207	0303228K	Joint Information Environment (JIE)	07	2,789			2,789	U
208	0303260D8Z	Defense Military Deception Program Office (DMDPO)	07					U
209	0303430K	Federal Investigative Services Information Technology	07	75,000			75,000	U
210	0303610K	Teleport Program	07	657			657	U
211	0304210BB	Special Applications for Contingencies	07					U
215	0305103K	Cyber Security Initiative	07	1,553			1,553	U
216	0305125D8Z	Critical Infrastructure Protection (CIP)	07					U
220	0305186D8Z	Policy R&D Programs	07	6,204			6,204	U
221	0305199D8Z	Net Centricity	07	17,971			17,971	U
223	0305208BB	Distributed Common Ground/Surface Systems	07	5,415			5,415	U
226	0305208K	Distributed Common Ground/Surface Systems	07	3,030			3,030	U
229	0305327V	Insider Threat	07	5,034			5,034	U
230	0305387D8Z	Homeland Defense Technology Transfer Program	07	2,037			2,037	U

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Line	Program Element No Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
234	0305889G	Counterdrug Intelligence Support	07	2,000				U
236	0307577D8Z	Intelligence Mission Data (IMD)	07					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	U
239	0708047S	Defense Property Accountability System	07					U
240	0902298J	Management HQ - OJCS	07	3,111	2,953		2,953	U
241	1105219BB	MQ-9 UAV	07	14,418	22,151		22,151	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	U
245	1160405BB	Intelligence Systems Development	07	9,490	6,866		6,866	U
246	1160408BB	Operational Enhancements	07	78,627	63,008		63,008	U
247	1160431BB	Warrior Systems	07	19,906	33,842		33,842	U
248	1160432BB	Special Programs	07	19,887	3,401		3,401	U
249	1160434BB	Unmanned ISR	07					U
250	1160480BB	SOF Tactical Vehicles	07	3,553	3,212		3,212	U
251	1160483BB	Maritime Systems	07	58,656	59,597		59,597	U
252	1160489BB	Global Video Surveillance Activities	07	3,788	3,933		3,933	U
253	1160490BB	Operational Enhancements Intelligence	07	16,125	10,623		10,623	U
9999	9999999999	Classified Programs		3,237,524	3,426,936	137,087	3,564,023	U
		<b>Operational System Development</b>		<b>4,158,925</b>	<b>4,412,170</b>		<b>4,549,257</b>	
		<b>Total Research, Development, Test &amp; Eval, DW</b>		<b>17,447,841</b>	<b>18,681,659</b>	<b>177,087</b>	<b>18,858,746</b>	

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

Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
234	0305889G	Counterdrug Intelligence Support	07					U
236	0307577D8Z	Intelligence Mission Data (IMD)	07	13,800			13,800	U
237	0708011S	Industrial Preparedness	07					U
238	0708012S	Pacific Disaster Centers	07	1,754			1,754	U
239	0708047S	Defense Property Accountability System	07	2,154			2,154	U
240	0902298J	Management HQ - OJCS	07	826			826	U
241	1105219BB	MQ-9 UAV	07	17,804			17,804	U
242	1105232BB	RQ-11 UAV	07					U
243	1160279BB	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	07					U
244	1160403BB	Aviation Systems	07	159,143			159,143	U
245	1160405BB	Intelligence Systems Development	07	7,958			7,958	U
246	1160408BB	Operational Enhancements	07	64,895			64,895	U
247	1160431BB	Warrior Systems	07	44,885			44,885	U
248	1160432BB	Special Programs	07	1,949			1,949	U
249	1160434BB	Unmanned ISR	07	22,117			22,117	U
250	1160480BB	SOF Tactical Vehicles	07	3,316			3,316	U
251	1160483BB	Maritime Systems	07	54,577			54,577	U
252	1160489BB	Global Video Surveillance Activities	07	3,841			3,841	U
253	1160490BB	Operational Enhancements Intelligence	07	11,834			11,834	U
9999	9999999999	Classified Programs		3,270,515	162,419	3,000	3,435,934	U
		<b>Operational System Development</b>		<b>4,256,406</b>			<b>4,421,825</b>	
		<b>Total Research, Development, Test &amp; Eval, DW</b>		<b>18,308,826</b>			<b>18,474,245</b>	

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

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<u>Summary Recap of Budget Activities</u>	FY 2017 <u>Base</u>	FY 2017 <u>OCO</u>	FY 2017 <u>OCO Amendment</u>	FY 2017 <u>Total</u>
Management Support	178,994			178,994
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>178,994</b>			<b>178,994</b>
 <u>Summary Recap of FYDP Programs</u>				
Research and Development	178,994			178,994
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>178,994</b>			<b>178,994</b>

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**Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Total Obligational Authority**  
**(Dollars in Thousands)**

Nov 2016

Appropriation: 0460D Operational Test & Eval, Defense

Line	Program Element	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
1	06051180TE	Operational Test and Evaluation	06	93,223	76,838		76,838	U
2	06051310TE	Live Fire Test and Evaluation	06	45,142	46,882		46,882	U
3	06058140TE	Operational Test Activities and Analyses	06	70,346	63,763		63,763	U
		<b>Management Support</b>		<b>208,711</b>	<b>187,483</b>		<b>187,483</b>	
<b>Total Operational Test &amp; Eval, Defense</b>				<b>208,711</b>	<b>187,483</b>		<b>187,483</b>	



**Defense-Wide**  
**Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Total Obligational Authority**  
**(Dollars in Thousands)**

Nov 2016

Appropriation: 0460D Operational Test & Eval, Defense

Line	Program Element	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Se
1	06051180TE	Operational Test and Evaluation	06	78,047			78,047	U
2	06051310TE	Live Fire Test and Evaluation	06	48,316			48,316	U
3	06058140TE	Operational Test Activities and Analyses	06	52,631			52,631	U
		<b>Management Support</b>		<b>178,994</b>			<b>178,994</b>	
<b>Total Operational Test &amp; Eval, Defense</b>				<b>178,994</b>			<b>178,994</b>	

Chemical and Biological Defense Program  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

Nov 2016

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

Line	Program Element	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
7	0601384BP	Chemical and Biological Defense Program	01	45,720	47,761		47,761	U
	<b>Basic Research</b>			<b>45,720</b>	<b>47,761</b>		<b>47,761</b>	
15	0602384BP	Chemical and Biological Defense Program	02	212,538	202,611		202,611	U
	<b>Applied Research</b>			<b>212,538</b>	<b>202,611</b>		<b>202,611</b>	
42	0603384BP	Chemical and Biological Defense Program - Advanced Development	03	147,141	140,094		140,094	U
	<b>Advanced Technology Development</b>			<b>147,141</b>	<b>140,094</b>		<b>140,094</b>	
75	0603884BP	Chemical and Biological Defense Program - Dem/Val	04	180,962	170,354		170,354	U
	<b>Advanced Component Development And Prototypes</b>			<b>180,962</b>	<b>170,354</b>		<b>170,354</b>	
118	0604384BP	Chemical and Biological Defense Program - EMD	05	330,326	282,147		282,147	U
	<b>System Development And Demonstration</b>			<b>330,326</b>	<b>282,147</b>		<b>282,147</b>	
149	0605384BP	Chemical and Biological Defense Program	06	104,597	102,238		102,238	U
150	0605502BP	Small Business Innovative Research - Chemical Biological Def	06	15,078				U
	<b>Management Support</b>			<b>119,675</b>	<b>102,238</b>		<b>102,238</b>	
187	0607384BP	Chemical and Biological Defense (Operational Systems Development)	07	28,102	33,561		33,561	U
	<b>Operational System Development</b>			<b>28,102</b>	<b>33,561</b>		<b>33,561</b>	
<b>Total Chemical and Biological Defense Program</b>				<b>1,064,464</b>	<b>978,766</b>		<b>978,766</b>	

Chemical and Biological Defense Program  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

Nov 2016

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

Line	Program Element	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
7	0601384BP	Chemical and Biological Defense Program	01	44,800			44,800	U
	<b>Basic Research</b>			<b>44,800</b>			<b>44,800</b>	
15	0602384BP	Chemical and Biological Defense Program	02	188,715			188,715	U
	<b>Applied Research</b>			<b>188,715</b>			<b>188,715</b>	
42	0603384BP	Chemical and Biological Defense Program - Advanced Development	03	127,941			127,941	U
	<b>Advanced Technology Development</b>			<b>127,941</b>			<b>127,941</b>	
75	0603884BP	Chemical and Biological Defense Program - Dem/Val	04	138,187			138,187	U
	<b>Advanced Component Development And Prototypes</b>			<b>138,187</b>			<b>138,187</b>	
118	0604384BP	Chemical and Biological Defense Program - EMD	05	266,231			266,231	U
	<b>System Development And Demonstration</b>			<b>266,231</b>			<b>266,231</b>	
149	0605384BP	Chemical and Biological Defense Program	06	85,754			85,754	U
150	0605502BP	Small Business Innovative Research - Chemical Biological Def	06					U
	<b>Management Support</b>			<b>85,754</b>			<b>85,754</b>	
187	0607384BP	Chemical and Biological Defense (Operational Systems Development)	07	33,361			33,361	U
	<b>Operational System Development</b>			<b>33,361</b>			<b>33,361</b>	
<b>Total Chemical and Biological Defense Program</b>				<b>884,989</b>			<b>884,989</b>	

Defense Advanced Research Projects Agency  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

Nov 2016

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

Line	Program Element No	Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
2	0601101E		Defense Research Sciences	01	322,030	333,119		333,119	U
4	0601117E		Basic Operational Medical Research Science	01	59,341	56,544		56,544	U
			<b>Basic Research</b>		<b>381,371</b>	<b>389,663</b>		<b>389,663</b>	
9	0602115E		Biomedical Technology	02	164,589	114,262		114,262	U
13	0602303E		Information & Communications Technology	02	315,923	341,358		341,358	U
14	0602383E		Biological Warfare Defense	02	42,447	24,265		24,265	U
17	0602702E		Tactical Technology	02	299,787	302,582		302,582	U
18	0602715E		Materials and Biological Technology	02	144,409	206,115		206,115	U
19	0602716E		Electronics Technology	02	169,690	174,798		174,798	U
			<b>Applied Research</b>		<b>1,136,845</b>	<b>1,163,380</b>		<b>1,163,380</b>	
36	0603286E		Advanced Aerospace Systems	03	123,292	173,631		173,631	U
37	0603287E		Space Programs and Technology	03	172,504	126,692		126,692	U
55	0603739E		Advanced Electronics Technologies	03	81,119	76,021		76,021	U
56	0603760E		Command, Control and Communications Systems	03	229,945	201,335		201,335	U
57	0603766E		Network-Centric Warfare Technology	03	350,323	425,861		425,861	U
58	0603767E		Sensor Technology	03	283,905	240,127		240,127	U
			<b>Advanced Technology Development</b>		<b>1,241,088</b>	<b>1,243,667</b>		<b>1,243,667</b>	
138	0605001E		Mission Support	06					U
154	0605502E		Small Business Innovative Research	06	85,266				U
163	0605898E		Management HQ - R&D	06	71,362	71,571		71,571	U
			<b>Management Support</b>		<b>156,628</b>	<b>71,571</b>		<b>71,571</b>	
			<b>Total Defense Advanced Research Projects Agency</b>		<b>2,915,932</b>	<b>2,868,281</b>		<b>2,868,281</b>	

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Defense Advanced Research Projects Agency  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

Nov 2016

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

Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
2	0601101E	Defense Research Sciences	01	362,297			362,297	U
4	0601117E	Basic Operational Medical Research Science	01	57,791			57,791	U
<b>Basic Research</b>				<b>420,088</b>			<b>420,088</b>	
9	0602115E	Biomedical Technology	02	115,213			115,213	U
13	0602303E	Information & Communications Technology	02	353,635			353,635	U
14	0602383E	Biological Warfare Defense	02	21,250			21,250	U
17	0602702E	Tactical Technology	02	313,843			313,843	U
18	0602715E	Materials and Biological Technology	02	220,456			220,456	U
19	0602716E	Electronics Technology	02	221,911			221,911	U
<b>Applied Research</b>				<b>1,246,308</b>			<b>1,246,308</b>	
36	0603286E	Advanced Aerospace Systems	03	182,327			182,327	U
37	0603287E	Space Programs and Technology	03	175,240			175,240	U
55	0603739E	Advanced Electronics Technologies	03	49,807			49,807	U
56	0603760E	Command, Control and Communications Systems	03	155,081			155,081	U
57	0603766E	Network-Centric Warfare Technology	03	428,894			428,894	U
58	0603767E	Sensor Technology	03	241,288			241,288	U
<b>Advanced Technology Development</b>				<b>1,232,637</b>			<b>1,232,637</b>	
138	0605001E	Mission Support	06	69,244			69,244	U
154	0605502E	Small Business Innovative Research	06					U
163	0605898E	Management HQ - R&D	06	4,759			4,759	U
<b>Management Support</b>				<b>74,003</b>			<b>74,003</b>	
<b>Total Defense Advanced Research Projects Agency</b>				<b>2,973,036</b>			<b>2,973,036</b>	

Defense Contract Management Agency  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

Nov 2016

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

Line	Program Element	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
122	0605013BL	Information Technology Development	05	12,530	12,042	-----	12,042	U
		System Development And Demonstration		12,530	12,042	-----	12,042	
		<b>Total Defense Contract Management Agency</b>		12,530	12,042	-----	12,042	

Defense Contract Management Agency  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

Nov 2016

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

Line	Program Element	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
122	0605013BL	Information Technology Development	05	11,505			11,505	U
		System Development And Demonstration		11,505			11,505	
<b>Total Defense Contract Management Agency</b>				<b>11,505</b>			<b>11,505</b>	

**Defense Human Resources Activity**  
**Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Total Obligational Authority**  
**(Dollars in Thousands)**

Nov 2016

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

Line	Program Element	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
59	0603769SE	Distributed Learning Advanced Technology Development	03	10,692	10,771		10,771	U
		<b>Advanced Technology Development</b>		<b>10,692</b>	<b>10,771</b>		<b>10,771</b>	
123	0605021SE	Homeland Personnel Security Initiative	05	286				U
		<b>System Development And Demonstration</b>		<b>286</b>				
161	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	06	8,452	7,924		7,924	U
		<b>Management Support</b>		<b>8,452</b>	<b>7,924</b>		<b>7,924</b>	
<b>Total Defense Human Resources Activity</b>				<b>19,430</b>	<b>18,695</b>		<b>18,695</b>	



**Defense Human Resources Activity**  
**Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Total Obligational Authority**  
**(Dollars in Thousands)**

Nov 2016

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

Line	Program Element	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
59	0603769SE	Distributed Learning Advanced Technology Development	03	-----	-----	-----	-----	U
	<b>Advanced Technology Development</b>							
123	0605021SE	Homeland Personnel Security Initiative	05	1,658	-----	-----	1,658	U
	<b>System Development And Demonstration</b>			<b>1,658</b>			<b>1,658</b>	
161	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	06	22,240	-----	-----	22,240	U
	<b>Management Support</b>			<b>22,240</b>			<b>22,240</b>	
<b>Total Defense Human Resources Activity</b>					<b>23,898</b>		<b>23,898</b>	

Defense Information Systems Agency  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

Nov 2016

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

Line	Program Element No	Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	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	U
			<b>System Development And Demonstration</b>		<b>39,170</b>	<b>32,682</b>		<b>32,682</b>	
172	0305172K		Combined Advanced Applications	06					U
			<b>Management Support</b>						
190	0208045K		C4I Interoperability	07	62,902	63,341		63,341	U
192	0301144K		Joint/Allied Coalition Information Sharing	07	3,931	1,845		1,845	U
196	0302016K		National Military Command System-Wide Support	07	924	963		963	U
197	0302019K		Defense Info Infrastructure Engineering and Integration	07	12,680	10,120		10,120	U
198	0303126K		Long-Haul Communications - DCS	07	26,209	36,830		36,830	U
199	0303131K		Minimum Essential Emergency Communications Network (MEECN)	07	12,671	13,735		13,735	U
204	0303150K		Global Command and Control System	07	30,536	21,503		21,503	U
205	0303153K		Defense Spectrum Organization	07	13,614	20,298		20,298	U
206	0303170K		Net-Centric Enterprise Services (NCES)	07	3,774	444		444	U
207	0303228K		Joint Information Environment (JIE)	07					U
209	0303430K		Federal Investigative Services Information Technology	07					U
210	0303610K		Teleport Program	07	3,158	1,736		1,736	U
215	0305103K		Cyber Security Initiative	07	3,085	2,976		2,976	U
226	0305208K		Distributed Common Ground/Surface Systems	07	3,328	3,239		3,239	U
			<b>Operational System Development</b>		<b>176,812</b>	<b>177,030</b>		<b>177,030</b>	
			<b>Total Defense Information Systems Agency</b>		<b>215,982</b>	<b>209,712</b>		<b>209,712</b>	

Defense Information Systems Agency  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

Nov 2016

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

Line	Program Element No	Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
119	0604764K		Advanced IT Services Joint Program Office (AITS-JPO)	05					U
132	0303141K		Global Combat Support System	05	7,600			7,600	U
			<b>System Development And Demonstration</b>		<b>7,600</b>			<b>7,600</b>	
172	0305172K		Combined Advanced Applications	06	15,336			15,336	U
			<b>Management Support</b>		<b>15,336</b>			<b>15,336</b>	
190	0208045K		C4I Interoperability	07	57,501			57,501	U
192	0301144K		Joint/Allied Coalition Information Sharing	07	5,935			5,935	U
196	0302016K		National Military Command System-Wide Support	07	575			575	U
197	0302019K		Defense Info Infrastructure Engineering and Integration	07	18,041			18,041	U
198	0303126K		Long-Haul Communications - DCS	07	13,994			13,994	U
199	0303131K		Minimum Essential Emergency Communications Network (MEECN)	07	12,206			12,206	U
204	0303150K		Global Command and Control System	07	24,438			24,438	U
205	0303153K		Defense Spectrum Organization	07	13,197			13,197	U
206	0303170K		Net-Centric Enterprise Services (NCES)	07					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	657			657	U
215	0305103K		Cyber Security Initiative	07	1,553			1,553	U
226	0305208K		Distributed Common Ground/Surface Systems	07	3,030			3,030	U
			<b>Operational System Development</b>		<b>228,916</b>			<b>228,916</b>	
<b>Total Defense Information Systems Agency</b>						<b>251,852</b>		<b>251,852</b>	

Defense Logistics Agency  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

Nov 2016

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

Line	Program Element No	Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
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					U
50	0603712S		Generic Logistics R&D Technology Demonstrations	03	22,224	15,537		15,537	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	U
	<b>Advanced Technology Development</b>					<b>134,416</b>	<b>136,169</b>	<b>136,169</b>	
126	0605070S		DOD Enterprise Systems Development and Demonstration	05	13,893	11,912		11,912	U
128	0605080S		Defense Agency Initiatives (DAI) - Financial System	05	35,497	31,660		31,660	U
129	0605090S		Defense Retired and Annuitant Pay System (DRAS)	05	9,801	10,135		10,135	U
	<b>System Development And Demonstration</b>					<b>59,191</b>	<b>53,707</b>	<b>53,707</b>	
156	0605502S		Small Business Innovative Research	06	5,711				U
	<b>Management Support</b>					<b>5,711</b>			
237	0708011S		Industrial Preparedness	07	20,405	22,605		22,605	U
238	0708012S		Pacific Disaster Centers	07	1,522	1,770		1,770	U
239	0708047S		Defense Property Accountability System	07					U
	<b>Operational System Development</b>					<b>21,927</b>	<b>24,375</b>	<b>24,375</b>	
<b>Total Defense Logistics Agency</b>						<b>221,245</b>	<b>214,251</b>	<b>214,251</b>	

Defense Logistics Agency  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

Nov 2016

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

Line	Program Element No	Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
34	0603264S		Agile Transportation for the 21st Century (AT21) - Theater Capability	03					U
48	0603680S		Manufacturing Technology Program	03	31,259			31,259	U
50	0603712S		Generic Logistics R&D Technology Demonstrations	03	11,011			11,011	U
51	0603713S		Deployment and Distribution Enterprise Technology	03					U
53	0603720S		Microelectronics Technology Development and Support	03	97,826			97,826	U
	<b>Advanced Technology Development</b>					<b>140,096</b>		<b>140,096</b>	
126	0605070S		DOD Enterprise Systems Development and Demonstration	05	12,631			12,631	U
128	0605080S		Defense Agency Initiatives (DAI) - Financial System	05	26,657			26,657	U
129	0605090S		Defense Retired and Annuitant Pay System (DRAS)	05	4,949			4,949	U
	<b>System Development And Demonstration</b>					<b>44,237</b>		<b>44,237</b>	
156	0605502S		Small Business Innovative Research	06					U
	<b>Management Support</b>								
237	0708011S		Industrial Preparedness	07					U
238	0708012S		Pacific Disaster Centers	07	1,754			1,754	U
239	0708047S		Defense Property Accountability System	07	2,154			2,154	U
	<b>Operational System Development</b>					<b>3,908</b>		<b>3,908</b>	
<b>Total Defense Logistics Agency</b>						<b>188,241</b>		<b>188,241</b>	

**Defense Security Cooperative Agency**  
**Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Total Obligational Authority**  
**(Dollars in Thousands)**

Nov 2016

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

Line	Program Element	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
157	0605502T	Small Business Innovative Research	06	409				U
	<b>Management Support</b>			409				
182	0605127T	Regional International Outreach (RIO) and Partnership for Peace Information Mana	07	1,694	1,750		1,750	U
183	0605147T	Overseas Humanitarian Assistance Shared Information System (OHASIS)	07	275	294		294	U
186	0607327T	Global Theater Security Cooperation Management Information Systems (G-TSCMIS)	07	10,008	8,466		8,466	U
	<b>Operational System Development</b>			11,977	10,510		10,510	
<b>Total Defense Security Cooperative Agency</b>				12,386	10,510		10,510	

**Defense Security Cooperative Agency**  
**Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Total Obligational Authority**  
**(Dollars in Thousands)**

Nov 2016

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

Line	Program Element	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
<u>No</u>	<u>Number</u>	<u>Item</u>	<u>Act</u>	<u>Base</u>	<u>OCO</u>	<u>OCO Amendment</u>	<u>Total</u>	<u>c</u>
157	0605502T	Small Business Innovative Research	06	-----	-----	-----	-----	U
<b>Management Support</b>								
182	0605127T	Regional International Outreach (RIO) and Partnership for Peace Information Mana	07	1,424	-----	-----	1,424	U
183	0605147T	Overseas Humanitarian Assistance Shared Information System (OHASIS)	07	287	-----	-----	287	U
186	0607327T	Global Theater Security Cooperation Management Information Systems (G-TSCMIS)	07	7,861	-----	-----	7,861	U
<b>Operational System Development</b>								
				<b>9,572</b>	-----	-----	<b>9,572</b>	
<b>Total Defense Security Cooperative Agency</b>				<b>9,572</b>	-----	-----	<b>9,572</b>	

Defense Security Service  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
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Appropriation: 0400D Research, Development, Test & Eval, DW

Line	Program Element	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
181	0604130V	Enterprise Security System (ESS)	07	3,988	5,929		5,929	U
229	0305327V	Insider Threat	07	8,670	2,533		2,533	U
	<b>Operational System Development</b>			----- 12,658	----- 8,462	-----	----- 8,462	
	<b>Total Defense Security Service</b>			----- 12,658	----- 8,462	-----	----- 8,462	



Defense Security Service  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
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Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Element Number	Program Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Se c
181	0604130V	Enterprise Security System (ESS)	07	4,241			4,241	U
229	0305327V	Insider Threat	07	5,034			5,034	U
		<b>Operational System Development</b>		<b>9,275</b>			<b>9,275</b>	
<b>Total Defense Security Service</b>				<b>9,275</b>			<b>9,275</b>	

**Defense Technical Information Center**  
**Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Total Obligational Authority**  
**(Dollars in Thousands)**

Nov 2016

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

Line	Program Element	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
155	0605502KA	Small Business Innovative Research	06	400				U
160	0605801KA	Defense Technical Information Center (DTIC)	06	50,389	56,775		56,775	U
164	0605998KA	Management HQ - Defense Technical Information Center (DTIC)	06					U
	<b>Management Support</b>			<b>50,789</b>	<b>56,775</b>		<b>56,775</b>	
<b>Total Defense Technical Information Center</b>				<b>50,789</b>	<b>56,775</b>		<b>56,775</b>	

Defense Technical Information Center  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
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 Total Obligational Authority  
 (Dollars in Thousands)

Nov 2016

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

Line	Program Element	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
<u>No</u>	<u>Number</u>			<u>Base</u>	<u>OCO</u>	<u>OCO Amendment</u>	<u>Total</u>	
155	0605502KA	Small Business Innovative Research	06					U
160	0605801KA	Defense Technical Information Center (DTIC)	06	43,834			43,834	U
164	0605998KA	Management HQ - Defense Technical Information Center (DTIC)	06	4,400			4,400	U
	<b>Management Support</b>			<b>48,234</b>			<b>48,234</b>	
<b>Total Defense Technical Information Center</b>				<b>48,234</b>			<b>48,234</b>	

**Defense Threat Reduction Agency**  
**Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Total Obligational Authority**  
**(Dollars in Thousands)**

Nov 2016

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

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

**Defense Threat Reduction Agency**  
**Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Total Obligational Authority**  
**(Dollars in Thousands)**

Nov 2016

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

Line	Program Element	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
1	0601000BR	DTRA Basic Research Initiative	01	35,436			35,436	U
	<b>Basic Research</b>			<b>35,436</b>			<b>35,436</b>	
20	0602718BR	Weapons of Mass Destruction Defeat Technologies	02	154,857			154,857	U
	<b>Applied Research</b>			<b>154,857</b>			<b>154,857</b>	
27	0603160BR	Counterproliferation Initiatives - Proliferation Prevention and Defeat	03	266,444			266,444	U
	<b>Advanced Technology Development</b>			<b>266,444</b>			<b>266,444</b>	
121	0605000BR	Weapons of Mass Destruction Defeat Capabilities	05	4,568			4,568	U
	<b>System Development And Demonstration</b>			<b>4,568</b>			<b>4,568</b>	
151	0605502BR	Small Business Innovation Research	06					U
	<b>Management Support</b>							
<b>Total Defense Threat Reduction Agency</b>				<b>461,305</b>			<b>461,305</b>	

Missile Defense Agency  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
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 (Dollars in Thousands)

Nov 2016

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Line	Program Element No	Number	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
28	0603176C		Advanced Concepts and Performance Assessment	03	9,999	12,139		12,139	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	U
31	0603179C		Advanced C4ISR	03	13,061	9,876		9,876	U
32	0603180C		Advanced Research	03	18,476	17,364		17,364	U
35	0603274C		Special Program - MDA Technology	03	43,439	13,908		13,908	U
40	0603294C		Common Kill Vehicle Technology	03	24,836	61,753		61,753	U
	<b>Advanced Technology Development</b>					<b>206,430</b>	<b>194,393</b>	<b>194,393</b>	
73	0603881C		Ballistic Missile Defense Terminal Defense Segment	04	161,298	212,230		212,230	U
74	0603882C		Ballistic Missile Defense Midcourse Defense Segment	04	863,965	1,269,913		1,269,913	U
76	0603884C		Ballistic Missile Defense Sensors	04	260,347	228,392		228,392	U
77	0603890C		BMD Enabling Programs	04	395,927	404,780		404,780	U
78	0603891C		Special Programs - MDA	04	301,201	400,387		400,387	U
79	0603892C		AEGIS BMD	04	761,646	830,647		830,647	U
80	0603893C		Space Tracking & Surveillance System	04	29,530	28,605		28,605	U
81	0603895C		Ballistic Missile Defense System Space Programs	04	7,560	21,507		21,507	U
82	0603896C		Ballistic Missile Defense Command and Control, Battle Management and Communicati	04	420,516	429,853		429,853	U
83	0603898C		Ballistic Missile Defense Joint Warfighter Support	04	44,220	47,898		47,898	U
84	0603904C		Missile Defense Integration & Operations Center (MDIOC)	04	53,972	47,939		47,939	U
85	0603906C		Regarding Trench	04	15,912	9,583		9,583	U
86	0603907C		Sea Based X-Band Radar (SBX)	04	64,610	71,266		71,266	U
87	0603913C		Israeli Cooperative Programs	04	268,842	267,595		267,595	U

Missile Defense Agency  
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Appropriation: 0400D Research, Development, Test &amp; Eval, DW

Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Sec
28	0603176C	Advanced Concepts and Performance Assessment	03	17,880			17,880	U
29	0603177C	Discrimination Sensor Technology	03					U
30	0603178C	Weapons Technology	03	71,843			71,843	U
31	0603179C	Advanced C4ISR	03	3,626			3,626	U
32	0603180C	Advanced Research	03	23,433			23,433	U
35	0603274C	Special Program - MDA Technology	03	83,745			83,745	U
40	0603294C	Common Kill Vehicle Technology	03					U
<b>Advanced Technology Development</b>				<b>200,527</b>			<b>200,527</b>	
73	0603881C	Ballistic Missile Defense Terminal Defense Segment	04	206,834			206,834	U
74	0603882C	Ballistic Missile Defense Midcourse Defense Segment	04	862,080			862,080	U
76	0603884C	Ballistic Missile Defense Sensors	04	230,077			230,077	U
77	0603890C	BMD Enabling Programs	04	401,594			401,594	U
78	0603891C	Special Programs - MDA	04	321,607			321,607	U
79	0603892C	AEGIS BMD	04	959,066			959,066	U
80	0603893C	Space Tracking & Surveillance System	04	32,129			32,129	U
81	0603895C	Ballistic Missile Defense System Space Programs	04	20,690			20,690	U
82	0603896C	Ballistic Missile Defense Command and Control, Battle Management and Communicati	04	439,617			439,617	U
83	0603898C	Ballistic Missile Defense Joint Warfighter Support	04	47,776			47,776	U
84	0603904C	Missile Defense Integration & Operations Center (MDIOC)	04	54,750			54,750	U
85	0603906C	Regarding Trench	04	8,785			8,785	U
86	0603907C	Sea Based X-Band Radar (SBX)	04	68,787			68,787	U
87	0603913C	Israeli Cooperative Programs	04	103,835			103,835	U

Missile Defense Agency  
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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	Se
88	0603914C	Ballistic Missile Defense Test	04	354,414	281,740		281,740	U
89	0603915C	Ballistic Missile Defense Targets	04	447,424	527,563		527,563	U
93	0604115C	Technology Maturation Initiatives	04		27,225		27,225	U
104	0604873C	Long Range Discrimination Radar (LRDR)	04	49,606	137,564		137,564	U
105	0604874C	Improved Homeland Defense Interceptors	04	97,739	278,944		278,944	U
106	0604876C	Ballistic Missile Defense Terminal Defense Segment Test	04	109,394	26,225		26,225	U
107	0604878C	Aegis BMD Test	04	88,041	78,468		78,468	U
108	0604879C	Ballistic Missile Defense Sensor Test	04	60,048	83,597		83,597	U
109	0604880C	Land-Based SM-3 (LBSM3)	04	121,413	34,970		34,970	U
110	0604881C	AEGIS SM-3 Block IIA Co-Development	04	259,278	172,645		172,645	U
111	0604887C	Ballistic Missile Defense Midcourse Segment Test	04	78,463	64,618		64,618	U
112	0604894C	Multi-Object Kill Vehicle	04					U
115	0305103C	Cyber Security Initiative	04	944	963		963	U
<b>Advanced Component Development And Prototypes</b>				<b>5,316,310</b>	<b>5,985,117</b>		<b>5,985,117</b>	
152	0605502C	Small Business Innovation Research - MDA	06	89,507				U
176	0901598C	Management HQ - MDA	06	35,598	35,871		35,871	U
<b>Management Support</b>				<b>125,105</b>	<b>35,871</b>		<b>35,871</b>	
<b>Total Missile Defense Agency</b>				<b>5,647,845</b>	<b>6,215,381</b>		<b>6,215,381</b>	



Missile Defense Agency  
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Line No	Program Element Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Se
88	0603914C	Ballistic Missile Defense Test	04	293,441			293,441	U
89	0603915C	Ballistic Missile Defense Targets	04	563,576			563,576	U
93	0604115C	Technology Maturation Initiatives	04	90,266			90,266	U
104	0604873C	Long Range Discrimination Radar (LRDR)	04	162,012			162,012	U
105	0604874C	Improved Homeland Defense Interceptors	04	274,148			274,148	U
106	0604876C	Ballistic Missile Defense Terminal Defense Segment Test	04	63,444			63,444	U
107	0604878C	Aegis BMD Test	04	95,012			95,012	U
108	0604879C	Ballistic Missile Defense Sensor Test	04	83,250			83,250	U
109	0604880C	Land-Based SM-3 (LBSM3)	04	43,293			43,293	U
110	0604881C	AEGIS SM-3 Block IIA Co-Development	04	106,038			106,038	U
111	0604887C	Ballistic Missile Defense Midcourse Segment Test	04	56,481			56,481	U
112	0604894C	Multi-Object Kill Vehicle	04	71,513			71,513	U
115	0305103C	Cyber Security Initiative	04	969			969	U
		<b>Advanced Component Development And Prototypes</b>		<b>5,661,070</b>			<b>5,661,070</b>	
152	0605502C	Small Business Innovation Research - MDA	06					U
176	0901598C	Management HQ - MDA	06	31,160			31,160	U
		<b>Management Support</b>		<b>31,160</b>			<b>31,160</b>	
		<b>Total Missile Defense Agency</b>		<b>5,892,757</b>			<b>5,892,757</b>	

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	See
200	0303135G	Public Key Infrastructure (PKI)	07	222	6,101		6,101	U
201	0303136G	Key Management Infrastructure (KMI)	07	32,698	43,867		43,867	U
203	0303140G	Information Systems Security Program	07	138,854	161,890		161,890	U
234	0305889G	Counterdrug Intelligence Support	07	2,000				U
		Operational System Development						
Total National Security Agency								

National Security Agency  
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Line No	Element Number	Program Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	Se
200	0303135G	Public Key Infrastructure (PKI)	07	34,314			34,314	U
201	0303136G	Key Management Infrastructure (KMI)	07	36,602			36,602	U
203	0303140G	Information Systems Security Program	07	159,068			159,068	U
234	0305889G	Counterdrug Intelligence Support	07					U
		Operational System Development		-----	-----	-----	-----	
				-----	-----	-----	-----	
Total National Security Agency								

Office of Secretary of Defense  
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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	S e c
3	0601110D8Z	Basic Research Initiatives	01	41,054	71,940		71,940	U
5	0601120D8Z	National Defense Education Program	01	54,619	54,355		54,355	U
6	0601228D8Z	Historically Black Colleges and Universities/Minority Institutions	01	33,263	35,834		35,834	U
<b>Basic Research</b>				<b>128,936</b>	<b>162,129</b>		<b>162,129</b>	
8	0602000D8Z	Joint Munitions Technology	02	19,491	19,314		19,314	U
10	0602230D8Z	Defense Technology Innovation	02					U
11	0602234D8Z	Lincoln Laboratory Research Program	02	49,409	50,925		50,925	U
12	0602251D8Z	Applied Research for the Advancement of S&T Priorities	02	40,168	48,131		48,131	U
16	0602668D8Z	Cyber Security Research	02	17,748	13,701		13,701	U
21	0602751D8Z	Software Engineering Institute (SEI) Applied Research	02	8,844	8,807		8,807	U
<b>Applied Research</b>				<b>135,660</b>	<b>140,878</b>		<b>140,878</b>	
23	0603000D8Z	Joint Munitions Advanced Technology	03	24,132	25,864		25,864	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	U
26	0603133D8Z	Foreign Comparative Testing	03	21,128	24,782		24,782	U
33	0603225D8Z	Joint DoD-DoE Munitions Technology Development	03	17,889	18,765		18,765	U
38	0603288D8Z	Analytic Assessments	03	13,299	14,645		14,645	U
39	0603289D8Z	Advanced Innovative Analysis and Concepts	03	48,760	50,030		50,030	U
41	0603375D8Z	Technology Innovation	03	10,000	25,000		25,000	U
43	0603527D8Z	RETRACT LARCH	03		108,430		108,430	U
44	0603618D8Z	Joint Electronic Advanced Technology	03	10,757	30,879		30,879	U
45	0603648D8Z	Joint Capability Technology Demonstrations	03	116,234	132,258		132,258	U

Office of Secretary of Defense  
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Line	Program Element	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
No	Number			Base	OCO	OCO Amendment	Total	
3	0601110D8Z	Basic Research Initiatives	01	36,654			36,654	U
5	0601120D8Z	National Defense Education Program	01	69,345			69,345	U
6	0601228D8Z	Historically Black Colleges and Universities/Minority Institutions	01	23,572			23,572	U
<b>Basic Research</b>				<b>129,571</b>			<b>129,571</b>	
8	0602000D8Z	Joint Munitions Technology	02	17,745			17,745	U
10	0602230D8Z	Defense Technology Innovation	02	30,000			30,000	U
11	0602234D8Z	Lincoln Laboratory Research Program	02	48,269			48,269	U
12	0602251D8Z	Applied Research for the Advancement of S&T Priorities	02	42,206			42,206	U
16	0602668D8Z	Cyber Security Research	02	12,183			12,183	U
21	0602751D8Z	Software Engineering Institute (SEI) Applied Research	02	8,420			8,420	U
<b>Applied Research</b>				<b>158,823</b>			<b>158,823</b>	
23	0603000D8Z	Joint Munitions Advanced Technology	03	23,902			23,902	U
24	0603121D8Z	SO/LIC Advanced Development	03					U
25	0603122D8Z	Combating Terrorism Technology Support	03	73,002			73,002	U
26	0603133D8Z	Foreign Comparative Testing	03	19,343			19,343	U
33	0603225D8Z	Joint DoD-DoE Munitions Technology Development	03	17,256			17,256	U
38	0603288D8Z	Analytic Assessments	03	12,048			12,048	U
39	0603289D8Z	Advanced Innovative Analysis and Concepts	03	57,020			57,020	U
41	0603375D8Z	Technology Innovation	03	39,923			39,923	U
43	0603527D8Z	RETRACT LARCH	03	181,977			181,977	U
44	0603618D8Z	Joint Electronic Advanced Technology	03	22,030			22,030	U
45	0603648D8Z	Joint Capability Technology Demonstrations	03	148,184			148,184	U

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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	S e c
46	0603662D8Z	Networked Communications Capabilities	03		5,967		5,967	U
47	0603680D8Z	Defense-Wide Manufacturing Science and Technology Program	03	88,135	156,743		156,743	U
49	0603699D8Z	Emerging Capabilities Technology Development	03	68,640	40,949		40,949	U
52	0603716D8Z	Strategic Environmental Research Program	03	54,357	55,705		55,705	U
54	0603727D8Z	Joint Warfighting Program	03	10,108	4,982		4,982	U
60	0603781D8Z	Software Engineering Institute	03	15,198	15,173		15,173	U
61	0603826D8Z	Quick Reaction Special Projects	03	55,821	70,320		70,320	U
62	0603832D8Z	DoD Modeling and Simulation Management Office	03	2,908				U
63	0603833D8Z	Engineering Science & Technology	03		18,341		18,341	U
64	0603941D8Z	Test & Evaluation Science & Technology	03	79,073	91,425		91,425	U
65	0604055D8Z	Operational Energy Capability Improvement	03	45,060	41,420		41,420	U
66	0303310D8Z	CWMD Systems	03	44,690	42,404		42,404	U
	<b>Advanced Technology Development</b>			<b>833,897</b>	<b>1,082,112</b>	<b>40,000</b>	<b>1,122,112</b>	
68	0603161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E ADC&P	04	40,088	31,648		31,648	U
69	0603600D8Z	WALKOFF	04	98,547	90,387		90,387	U
70	0603714D8Z	Advanced Sensors Application Program	04	19,482	15,869		15,869	U
71	0603821D8Z	Acquisition Enterprise Data & Information Services	04					U
72	0603851D8Z	Environmental Security Technical Certification Program	04	62,432	52,654		52,654	U
90	0603920D8Z	Humanitarian Demining	04	9,930	10,110		10,110	U
91	0603923D8Z	Coalition Warfare	04	9,974	10,330		10,330	U
92	0604016D8Z	Department of Defense Corrosion Program	04	12,519	6,518		6,518	U
94	0604132D8Z	Missile Defeat Project	04					U

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Line	Program Element			FY 2017	FY 2017	FY 2017	FY 2017	S
<u>No</u>	<u>Number</u>	<u>Item</u>	<u>Act</u>	<u>Base</u>	<u>OCO</u>	<u>OCO Amendment</u>	<u>Total</u>	<u>e</u>
46	0603662D8Z	Networked Communications Capabilities	03	9,331			9,331	U
47	0603680D8Z	Defense-Wide Manufacturing Science and Technology Program	03	158,398			158,398	U
49	0603699D8Z	Emerging Capabilities Technology Development	03	49,895			49,895	U
52	0603716D8Z	Strategic Environmental Research Program	03	65,078			65,078	U
54	0603727D8Z	Joint Warfighting Program	03	7,848			7,848	U
60	0603781D8Z	Software Engineering Institute	03	14,264			14,264	U
61	0603826D8Z	Quick Reaction Special Projects	03	74,943			74,943	U
62	0603832D8Z	DoD Modeling and Simulation Management Office	03					U
63	0603833D8Z	Engineering Science & Technology	03	17,659			17,659	U
64	0603941D8Z	Test & Evaluation Science & Technology	03	87,135			87,135	U
65	0604055D8Z	Operational Energy Capability Improvement	03	37,329			37,329	U
66	0303310D8Z	CWMD Systems	03	44,836			44,836	U
	<b>Advanced Technology Development</b>			<b>1,161,401</b>			<b>1,161,401</b>	
68	0603161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E ADC&P	04	28,498			28,498	U
69	0603600D8Z	WALKOFF	04	89,643			89,643	U
70	0603714D8Z	Advanced Sensors Application Program	04					U
71	0603821D8Z	Acquisition Enterprise Data & Information Services	04	2,136			2,136	U
72	0603851D8Z	Environmental Security Technical Certification Program	04	52,491			52,491	U
90	0603920D8Z	Humanitarian Demining	04	10,007			10,007	U
91	0603923D8Z	Coalition Warfare	04	10,126			10,126	U
92	0604016D8Z	Department of Defense Corrosion Program	04	3,893			3,893	U
94	0604132D8Z	Missile Defeat Project	04	45,000			45,000	U

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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	S e c
95	0604250D8Z	Advanced Innovative Technologies	04	170,872	468,881		468,881	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	U
99	0604682D8Z	Wargaming and Support for Strategic Analysis (SSA)	04					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	U
	<b>Advanced Component Development And Prototypes</b>			<b>671,455</b>	<b>1,021,839</b>		<b>1,021,839</b>	
116	0604161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E SDD	05	7,775	8,783		8,783	U
117	0604165D8Z	Prompt Global Strike Capability Development	05	95,588	88,660		88,660	U
120	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	05	19,556	14,257		14,257	U
124	0605022D8Z	Defense Exportability Program	05	3,150	3,267		3,267	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					U
131	0605210D8Z	Defense-Wide Electronic Procurement Capabilities	05	9,227	7,209		7,209	U
133	0305304D8Z	DoD Enterprise Energy Information Management (EEIM)	05	3,538	4,406		4,406	U
	<b>System Development And Demonstration</b>			<b>163,816</b>	<b>133,763</b>		<b>133,763</b>	
134	0604774D8Z	Defense Readiness Reporting System (DRRS)	06	5,605	5,571		5,571	U
135	0604875D8Z	Joint Systems Architecture Development	06	2,986	3,076		3,076	U
136	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	06	234,011	213,668		213,668	U
137	0604942D8Z	Assessments and Evaluations	06	15,220	28,618		28,618	U



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Line	Program Element <u>No</u> <u>Number</u>	<u>Item</u>	<u>Act</u>	FY 2017 <u>Base</u>	FY 2017 <u>OCO</u>	FY 2017 <u>OCO Amendment</u>	FY 2017 <u>Total</u>	<u>S</u> <u>e</u> <u>c</u>
95	0604250D8Z	Advanced Innovative Technologies	04	844,870			844,870	U
96	0604342D8Z	Defense Technology Offset	04					U
97	0604400D8Z	Department of Defense (DoD) Unmanned System Common Development	04	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					U
113	0605170D8Z	Support to Networks and Information Integration	04					U
114	0303191D8Z	Joint Electromagnetic Technology (JET) Program	04	2,636			2,636	U
	<b>Advanced Component Development And Prototypes</b>			<b>1,096,620</b>			<b>1,096,620</b>	
116	0604161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E SDD	05	10,324			10,324	U
117	0604165D8Z	Prompt Global Strike Capability Development	05	181,303			181,303	U
120	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	05	16,288			16,288	U
124	0605022D8Z	Defense Exportability Program	05	2,920			2,920	U
125	0605027D8Z	OUSD(C) IT Development Initiatives	05					U
127	0605075D8Z	DCMO Policy and Integration	05					U
130	0605140D8Z	Trusted Foundry	05	69,000			69,000	U
131	0605210D8Z	Defense-Wide Electronic Procurement Capabilities	05	9,881			9,881	U
133	0305304D8Z	DoD Enterprise Energy Information Management (EEIM)	05	2,703			2,703	U
	<b>System Development And Demonstration</b>			<b>292,419</b>			<b>292,419</b>	
134	0604774D8Z	Defense Readiness Reporting System (DRRS)	06	4,678			4,678	U
135	0604875D8Z	Joint Systems Architecture Development	06	4,499			4,499	U
136	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	06	219,199			219,199	U
137	0604942D8Z	Assessments and Evaluations	06	28,706			28,706	U

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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	S e
139	0605100D8Z	Joint Mission Environment Test Capability (JMETC)	06	26,736	40,146		40,146	U
140	0605104D8Z	Technical Studies, Support and Analysis	06	23,735	24,887		24,887	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	U
145	0605151D8Z	Studies and Analysis Support - OSD	06	2,645	2,710		2,710	U
146	0605161D8Z	Nuclear Matters-Physical Security	06	4,213	5,277		5,277	U
147	0605170D8Z	Support to Networks and Information Integration	06	27,012	5,279		5,279	U
148	0605200D8Z	General Support to USD (Intelligence)	06	2,846	1,686		1,686	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	U
159	0605798D8Z	Defense Technology Analysis	06	21,357	115,933		115,933	U
162	0605804D8Z	Development Test and Evaluation	06	18,833	21,337		21,337	U
165	0606100D8Z	Budget and Program Assessments	06	4,030	4,116		4,116	U
166	0203345D8Z	Defense Operations Security Initiative (DOSI)	06	1,900	1,943		1,943	U
171	0303260D8Z	Defense Military Deception Program Office (DMDPO)	06		971		971	U
173	0305193D8Z	Cyber Intelligence	06	6,735	6,567		6,567	U
175	0804767D8Z	COCOM Exercise Engagement and Training Transformation (CE2T2) - MHA	06	38,266	42,679		42,679	U
180	0909999D8Z	Financing for Cancelled Account Adjustments	06	995				U
	<b>Management Support</b>			<b>681,372</b>	<b>681,211</b>		<b>681,211</b>	
184	0607210D8Z	Industrial Base Analysis and Sustainment Support	07	14,282	22,532		22,532	U
185	0607310D8Z	CWMD Systems: Operational Systems Development	07	2,849	1,898		1,898	U

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Line	Program Element No	Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
139	0605100D8Z		Joint Mission Environment Test Capability (JMETC)	06	87,080			87,080	U
140	0605104D8Z		Technical Studies, Support and Analysis	06	23,069			23,069	U
141	0605117D8Z		Foreign Materiel Acquisition and Exploitation	06					U
143	0605128D8Z		Classified Program USD(P)	06					U
144	0605142D8Z		Systems Engineering	06	32,429			32,429	U
145	0605151D8Z		Studies and Analysis Support - OSD	06	3,797			3,797	U
146	0605161D8Z		Nuclear Matters-Physical Security	06	5,302			5,302	U
147	0605170D8Z		Support to Networks and Information Integration	06	7,246			7,246	U
148	0605200D8Z		General Support to USD (Intelligence)	06	1,874			1,874	U
153	0605502D8Z		Small Business Innovative Research	06					U
158	0605790D8Z		Small Business Innovation Research (SBIR)/ Small Business Technology Transfer	06	2,187			2,187	U
159	0605798D8Z		Defense Technology Analysis	06	22,650			22,650	U
162	0605804D8Z		Development Test and Evaluation	06	19,541			19,541	U
165	0606100D8Z		Budget and Program Assessments	06	4,014			4,014	U
166	0203345D8Z		Defense Operations Security Initiative (DOSI)	06	2,072			2,072	U
171	0303260D8Z		Defense Military Deception Program Office (DMDPO)	06	916			916	U
173	0305193D8Z		Cyber Intelligence	06	18,523			18,523	U
175	0804767D8Z		COCOM Exercise Engagement and Training Transformation (CE2T2) - MHA	06	34,384			34,384	U
180	0909999D8Z		Financing for Cancelled Account Adjustments	06					U
	<b>Management Support</b>				<b>522,166</b>			<b>522,166</b>	
184	0607210D8Z		Industrial Base Analysis and Sustainment Support	07	16,195			16,195	U
185	0607310D8Z		CWMD Systems: Operational Systems Development	07	4,194			4,194	U

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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	S e c
202	0303140D8Z	Information Systems Security Program	07	10,933	8,940		8,940	U
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	U
221	0305199D8Z	Net Centricity	07	23,229	18,095		18,095	U
230	0305387D8Z	Homeland Defense Technology Transfer Program	07	2,088	2,116		2,116	U
236	0307577D8Z	Intelligence Mission Data (IMD)	07					U
	<b>Operational System Development</b>			<b>70,013</b>	<b>57,756</b>		<b>57,756</b>	
<b>Total Office of Secretary of Defense</b>				<b>2,685,149</b>	<b>3,279,688</b>	<b>40,000</b>	<b>3,319,688</b>	

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Line	Program Element	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
No	Number			Base	OCO	OCO Amendment	Total	
202	0303140D8Z	Information Systems Security Program	07	8,876			8,876	U
208	0303260D8Z	Defense Military Deception Program Office (DMDPO)	07					U
216	0305125D8Z	Critical Infrastructure Protection (CIP)	07					U
220	0305186D8Z	Policy R&D Programs	07	6,204			6,204	U
221	0305199D8Z	Net Centricity	07	17,971			17,971	U
230	0305387D8Z	Homeland Defense Technology Transfer Program	07	2,037			2,037	U
236	0307577D8Z	Intelligence Mission Data (IMD)	07	13,800			13,800	U
	<b>Operational System Development</b>			<b>69,277</b>			<b>69,277</b>	
<b>Total Office of Secretary of Defense</b>				<b>3,430,277</b>			<b>3,430,277</b>	

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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	S e c
22	1160401BB	SOF Technology Development	02	35,559	37,517		37,517	U
		<b>Applied Research</b>		<b>35,559</b>	<b>37,517</b>		<b>37,517</b>	
67	1160402BB	SOF Advanced Technology Development	03	49,878	59,741		59,741	U
		<b>Advanced Technology Development</b>		<b>49,878</b>	<b>59,741</b>		<b>59,741</b>	
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	U
241	1105219BB	MQ-9 UAV	07	14,418	22,151		22,151	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	U
245	1160405BB	Intelligence Systems Development	07	9,490	6,866		6,866	U
246	1160408BB	Operational Enhancements	07	78,627	63,008		63,008	U
247	1160431BB	Warrior Systems	07	19,906	33,842		33,842	U
248	1160432BB	Special Programs	07	19,887	3,401		3,401	U
249	1160434BB	Unmanned ISR	07					U
250	1160480BB	SOF Tactical Vehicles	07	3,553	3,212		3,212	U
251	1160483BB	Maritime Systems	07	58,656	59,597		59,597	U
252	1160489BB	Global Video Surveillance Activities	07	3,788	3,933		3,933	U
253	1160490BB	Operational Enhancements Intelligence	07	16,125	10,623		10,623	U
		<b>Operational System Development</b>		<b>409,564</b>	<b>456,887</b>		<b>456,887</b>	
<b>Total U.S., Special Operations Command</b>				<b>495,001</b>	<b>554,145</b>		<b>554,145</b>	

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22	1160401BB	SOF Technology Development	02	37,820			37,820	U
<b>Applied Research</b>				<b>37,820</b>			<b>37,820</b>	
67	1160402BB	SOF Advanced Technology Development	03	61,620			61,620	U
<b>Advanced Technology Development</b>				<b>61,620</b>			<b>61,620</b>	
211	0304210BB	Special Applications for Contingencies	07					U
223	0305208BB	Distributed Common Ground/Surface Systems	07	5,415			5,415	U
241	1105219BB	MQ-9 UAV	07	17,804			17,804	U
242	1105232BB	RQ-11 UAV	07					U
243	1160279BB	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	07					U
244	1160403BB	Aviation Systems	07	159,143			159,143	U
245	1160405BB	Intelligence Systems Development	07	7,958			7,958	U
246	1160408BB	Operational Enhancements	07	64,895			64,895	U
247	1160431BB	Warrior Systems	07	44,885			44,885	U
248	1160432BB	Special Programs	07	1,949			1,949	U
249	1160434BB	Unmanned ISR	07	22,117			22,117	U
250	1160480BB	SOF Tactical Vehicles	07	3,316			3,316	U
251	1160483BB	Maritime Systems	07	54,577			54,577	U
252	1160489BB	Global Video Surveillance Activities	07	3,841			3,841	U
253	1160490BB	Operational Enhancements Intelligence	07	11,834			11,834	U
<b>Operational System Development</b>				<b>397,734</b>			<b>397,734</b>	
<b>Total U.S., Special Operations Command</b>				<b>497,174</b>			<b>497,174</b>	

The Joint Staff  
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Appropriation: 0400D Research, Development, Test &amp; Eval, DW

Line	Program Element	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
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	U
103	0604828J	Joint FIRES Integration and Interoperability Team	04	2,447				U
	<b>Advanced Component Development And Prototypes</b>			<b>65,420</b>	<b>21,700</b>		<b>21,700</b>	
142	0605126J	Joint Integrated Air and Missile Defense Organization (JIAMDO)	06	39,795	33,983		33,983	U
167	0204571J	Joint Staff Analytical Support	06	16,404	5,983		5,983	U
170	0303166J	Support to Information Operations (IO) Capabilities	06	12,179	10,404		10,404	U
	<b>Management Support</b>			<b>68,378</b>	<b>50,370</b>		<b>50,370</b>	
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	U
240	0902298J	Management HQ - OJCS	07	3,111	2,953		2,953	U
	<b>Operational System Development</b>			<b>16,574</b>	<b>4,795</b>		<b>4,795</b>	
<b>Total The Joint Staff</b>				<b>150,372</b>	<b>76,865</b>		<b>76,865</b>	



The Joint Staff  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

Nov 2016

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

Line	Program Element No	Number	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
98	0604445J		Wide Area Surveillance	04					U
101	0604787J		Joint Systems Integration	04					U
102	0604826J		Joint C5 Capability Development, Integration and interoperability Assessments	04	23,642			23,642	U
103	0604828J		Joint FIRES Integration and Interoperability Team	04					U
			<b>Advanced Component Development And Prototypes</b>		<b>23,642</b>			<b>23,642</b>	
142	0605126J		Joint Integrated Air and Missile Defense Organization (JIAMDO)	06	32,759			32,759	U
167	0204571J		Joint Staff Analytical Support	06	7,464			7,464	U
170	0303166J		Support to Information Operations (IO) Capabilities	06	857			857	U
			<b>Management Support</b>		<b>41,080</b>			<b>41,080</b>	
188	0607828J		Joint Integration and Interoperability	07					U
189	0208043J		Planning and Decision Aid System (PDAS)	07	3,038			3,038	U
240	0902298J		Management HQ - OJCS	07	826			826	U
			<b>Operational System Development</b>		<b>3,864</b>			<b>3,864</b>	
			<b>Total The Joint Staff</b>		<b>68,586</b>			<b>68,586</b>	

Washington Headquarters Services  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

Nov 2016

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

Line	Program Element	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
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					U
	<b>Management Support</b>			<b>612</b>	<b>975</b>		<b>975</b>	
<b>Total Washington Headquarters Services</b>				<b>612</b>	<b>975</b>		<b>975</b>	

Washington Headquarters Services  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Total Obligational Authority  
 (Dollars in Thousands)

Nov 2016

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

Line	Program Element	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
<u>No</u>	<u>Number</u>	<u>Item</u>	<u>Act</u>	<u>Base</u>	<u>OCO</u>	<u>OCO Amendment</u>	<u>Total</u>	
177	0901598D8W	Management Headquarters WHS	06					U
178	0903230D8W	WHS - Mission Operations Support - IT	06					U
179	0903235D8W	Joint Service Provider (JSP)	06	827			827	U
	<b>Management Support</b>			<b>827</b>			<b>827</b>	
<b>Total Washington Headquarters Services</b>				<b>827</b>			<b>827</b>	

Inspector General  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Non RDT&E Title  
 (Dollars in Thousands)

Nov 2016

<u>Summary Recap of Budget Activities</u>	<u>FY 2015</u> <u>(Base &amp; 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>
RDT&E	1,400	2,100		2,100
Total Research, Development, Test & Evaluation	1,400	2,100		2,100
 <u>Summary Recap of Non-RDT&amp;E Title FYDP Programs</u>				
Administration and Associated Activities	1,400	2,100		2,100
Total Research, Development, Test & Evaluation	1,400	2,100		2,100

Inspector General  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Non RDT&E Title  
 (Dollars in Thousands)

Nov 2016

<u>Summary Recap of Budget Activities</u>	<u>FY 2017 Base</u>	<u>FY 2017 OCO</u>	<u>FY 2017 OCO Amendment</u>	<u>FY 2017 Total</u>
RDT&E	3,153			3,153
Total Research, Development, Test & Evaluation	3,153			3,153
 <u>Summary Recap of Non-RDT&amp;E Title FYDP Programs</u>				
Administration and Associated Activities	3,153			3,153
Total Research, Development, Test & Evaluation	3,153			3,153

**Inspector General**  
**Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Non RDT&E Title**  
**(Dollars in Thousands)**

Nov 2016

Appropriation: 0107D Office of the Inspector General

Line	Program Element	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
1	0901517X	Inspector General, DoD, Audit, Intelligence and Non-Criminal Investigative Activ	02	1,400	2,100		2,100	U
		RDT&E		----- 1,400	----- 2,100	----- 	----- 2,100	
<b>Total Office of the Inspector General</b>				----- 1,400	----- 2,100	----- 	----- 2,100	

**Inspector General**  
**Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)**  
**Non RDT&E Title**  
**(Dollars in Thousands)**

Nov 2016

Appropriation: 0107D Office of the Inspector General

Line	Program Element	Item	<u>Act</u>	FY 2017 <u>Base</u>	FY 2017 <u>OCO</u>	FY 2017 <u>OCO Amendment</u>	FY 2017 <u>Total</u>	S e c
<u>No</u>	<u>Number</u>	<u>Item</u>						
1	0901517X	Inspector General, DoD, Audit, Intelligence and Non-Criminal Investigative Activ	02	3,153			3,153	U
		RDT&E		----- 3,153			----- 3,153	
		<b>Total Office of the Inspector General</b>		----- 3,153			----- 3,153	

Defense Health Agency  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Non RDT&E Title  
 (Dollars in Thousands)

Nov 2016

<u>Summary Recap of Budget Activities</u>	<u>FY 2015</u> <u>(Base &amp; 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>
RDT&E	1,698,615	2,121,452		2,121,452
Total Research, Development, Test & Evaluation	1,698,615	2,121,452		2,121,452
 <u>Summary Recap of Non-RDT&amp;E Title FYDP Programs</u>				
Research and Development	1,698,615	2,121,452		2,121,452
Total Research, Development, Test & Evaluation	1,698,615	2,121,452		2,121,452



Defense Health Agency  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Non RDT&E Title  
 (Dollars in Thousands)

Nov 2016

<u>Summary Recap of Budget Activities</u>	FY 2017 <u>Base</u>	FY 2017 <u>OCO</u>	FY 2017 <u>OCO Amendment</u>	FY 2017 <u>Total</u>
RDT&E	822,907			822,907
Total Research, Development, Test & Evaluation	822,907			822,907
 <u>Summary Recap of Non-RDT&amp;E Title FYDP Programs</u>				
Research and Development	822,907			822,907
Total Research, Development, Test & Evaluation	822,907			822,907

Defense Health Agency  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Non RDT&E Title  
 (Dollars in Thousands)

Nov 2016

## Appropriation: 0130D Defense Health Program

Line	Program Element	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
1	0601101DHA	In-House Laboratory Independent Research	02	2,904	4,599		4,599	U
2	0601117DHA	Basic Operational Medical Research Science	02	8,282	9,558		9,558	U
3	0602115DHA	Applied Biomedical Technology	02	67,237	75,155		75,155	U
4	0602787DHA	Medical Technology	02	1,145	1,222		1,222	U
5	0603002DHA	Medical Advanced Technology	02	286	305		305	U
6	0603115DHA	Medical Development	02	1,177,334	1,272,109		1,272,109	U
7	0604110DHA	Medical Products Support and Advanced Concept Development	02	146,411	175,518		175,518	U
8	0605013DHA	Information Technology Development	02	19,399	19,312		19,312	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	U
12	0605039DHA	DoD Medical Information Exchange and Interoperability	02		11,000		11,000	U
13	0605045DHA	Joint Operational Medicine Information System	02					U
14	0605145DHA	Medical Products and Support Systems Development	02	25,383	16,787		16,787	U
15	0605502HP	Small Business Innovative Research	02	57,108				U
16	0606105DHA	Medical Program-Wide Activities	02	38,052	57,807		57,807	U
17	0607100DHA	Medical Products and Capabilities Enhancement Activities	02	16,413	17,356		17,356	U
	<b>RDT&amp;E</b>			<b>1,698,615</b>	<b>2,121,452</b>		<b>2,121,452</b>	
	<b>Total Defense Health Program</b>			<b>1,698,615</b>	<b>2,121,452</b>		<b>2,121,452</b>	

Defense Health Agency  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Non RDT&E Title  
 (Dollars in Thousands)

Nov 2016

## Appropriation: 0130D Defense Health Program

Line	Program Element	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
No	Number							
1	0601101DHA	In-House Laboratory Independent Research	02	2,653			2,653	U
2	0601117DHA	Basic Operational Medical Research Science	02	6,444			6,444	U
3	0602115DHA	Applied Biomedical Technology	02	57,275			57,275	U
4	0602787DHA	Medical Technology	02	1,242			1,242	U
5	0603002DHA	Medical Advanced Technology	02	310			310	U
6	0603115DHA	Medical Development	02	220,916			220,916	U
7	0604110DHA	Medical Products Support and Advanced Concept Development	02	96,602			96,602	U
8	0605013DHA	Information Technology Development	02	25,340			25,340	U
9	0605023DHA	Information Technology Development - Integrated Electronic Health Record	02					U
10	0605025DHA	Information Technology Development ? Theater Medical Information Program-Joint	02					U
11	0605026DHA	Information Technology Development- DoD Healthcare Management System Modernizati	02	298,623			298,623	U
12	0605039DHA	DoD Medical Information Exchange and Interoperability	02					U
13	0605045DHA	Joint Operational Medicine Information System	02	22,140			22,140	U
14	0605145DHA	Medical Products and Support Systems Development	02	17,954			17,954	U
15	0605502HP	Small Business Innovative Research	02					U
16	0606105DHA	Medical Program-Wide Activities	02	58,410			58,410	U
17	0607100DHA	Medical Products and Capabilities Enhancement Activities	02	14,998			14,998	U
	<b>RDT&amp;E</b>			<b>822,907</b>			<b>822,907</b>	
	<b>Total Defense Health Program</b>			<b>822,907</b>			<b>822,907</b>	

Department of the Army  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Non RDT&E Title  
 (Dollars in Thousands)

Nov 2016

<u>Summary Recap of Budget Activities</u>	<u>FY 2015</u> <u>(Base &amp; 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>
Research, Development, Test, And Evaluation	595,913	579,342		579,342
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>595,913</b>	<b>579,342</b>		<b>579,342</b>
 <u>Summary Recap of Non-RDT&amp;E Title FYDP Programs</u>				
Central Supply and Maintenance	595,913	579,342		579,342
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>595,913</b>	<b>579,342</b>		<b>579,342</b>

Department of the Army  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Non RDT&E Title  
 (Dollars in Thousands)

Nov 2016

<u>Summary Recap of Budget Activities</u>	FY 2017 <u>Base</u>	FY 2017 <u>OCO</u>	FY 2017 <u>OCO Amendment</u>	FY 2017 <u>Total</u>
Research, Development, Test, And Evaluation	388,609			388,609
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>388,609</b>			<b>388,609</b>
 <u>Summary Recap of Non-RDT&amp;E Title FYDP Programs</u>				
Central Supply and Maintenance	388,609			388,609
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>388,609</b>			<b>388,609</b>

Department of the Army  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Non RDT&E Title  
 (Dollars in Thousands)

Nov 2016

Appropriation: 0390D Chem Agents & Munitions Destruction

Line	Program Element	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	Se
1	0708081D	Chemical Materials Agency	02	20,105	10,003		10,003	U
2	0708083D	Assembled Chemical Weapons Alternatives	02	575,808	569,339		569,339	U
		Research, Development, Test, And Evaluation		595,913	579,342		579,342	
<b>Total Chem Agents &amp; Munitions Destruction</b>				<b>595,913</b>	<b>579,342</b>		<b>579,342</b>	

Department of the Army  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Non RDT&E Title  
 (Dollars in Thousands)

Nov 2016

Appropriation: 0390D Chem Agents & Munitions Destruction

Line	Program Element	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
<u>No</u>	<u>Number</u>			<u>Base</u>	<u>OCO</u>	<u>OCO Amendment</u>	<u>Total</u>	
1	0708081D	Chemical Materials Agency	02	7,717			7,717	U
2	0708083D	Assembled Chemical Weapons Alternatives	02	380,892			380,892	U
		Research, Development, Test, And Evaluation		388,609			388,609	
<b>Total Chem Agents &amp; Munitions Destruction</b>					388,609		388,609	

Department of the Navy  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Non RDT&E Title  
 (Dollars in Thousands)

Nov 2016

<u>Summary Recap of Budget Activities</u>	<u>FY 2015</u> <u>(Base &amp; 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>
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&amp;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  
Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
Non RDT&E Title  
(Dollars in Thousands)

Nov 2016

<u>Summary Recap of Budget Activities</u>	<u>FY 2017</u> <u>Base</u>	<u>FY 2017</u> <u>OCO</u>	<u>FY 2017</u> <u>OCO Amendment</u>	<u>FY 2017</u> <u>Total</u>
Research and Development				
Total Research, Development, Test & Evaluation				
<u>Summary Recap of Non-RDT&amp;E Title FYDP Programs</u>				
Mobility Forces				
Total Research, Development, Test & Evaluation				

Department of the Navy  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Non RDT&E Title  
 (Dollars in Thousands)

Nov 2016

Appropriation: 4557N National Defense Sealift Fund

Line	Element	Item	Act	FY 2015 (Base & OCO)	FY 2016 Base Enacted	FY 2016 OCO Enacted	FY 2016 Total Enacted	S e c
1	0408042N	National Defense Sealift Fund	04	21,620	25,197		25,197	U
		Research and Development		21,620	25,197		25,197	
<b>Total National Defense Sealift Fund</b>				<b>21,620</b>	<b>25,197</b>		<b>25,197</b>	

Department of the Navy  
 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Exhibit R-1 Budget Amendment to the FY 2017 President's Budget Request for Overseas Contingency Operations (OCO)  
 Non RDT&E Title  
 (Dollars in Thousands)

Nov 2016

Appropriation: 4557N National Defense Sealift Fund

Line	Program Element	Item	Act	FY 2017 Base	FY 2017 OCO	FY 2017 OCO Amendment	FY 2017 Total	S e c
<u>No</u>	<u>Number</u>	<u>Item</u>	<u>Act</u>	<u>Base</u>	<u>OCO</u>	<u>OCO Amendment</u>	<u>Total</u>	
1	0408042N	National Defense Sealift Fund	04	-----	-----	-----	-----	U
		Research and Development		-----	-----	-----	-----	
Total National Defense Sealift Fund				-----	-----	-----	-----	