

# RDT&E PROGRAMS (R-1)



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*Department of Defense Budget  
Fiscal Year 2016*

*Feb 2015*

*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 2015.*

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**UNCLASSIFIED**

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**UNCLASSIFIED**

**UNCLASSIFIED**

**TABLE OF CONTENTS**

	<b><u>PAGE</u></b>
<b><u>DoD Component Summary</u></b>	II - IV
<b><u>Army</u></b>	
Army Summary	A-1
Army R-1 Detail	A-2 through A-13
<b><u>Navy</u></b>	
Navy Summary	N-1
Navy R-1 Detail	N-2 through N-14
<b><u>Air Force</u></b>	
Air Force Summary	F-1
Air Force R-1 Detail	F-2 through F-14
<b><u>Defense Agencies</u></b>	
Defensewide Summary	D-1 & D-2
Defensewide R-1 Detail	D-3 through D-16
Operational Test and Evaluation Summary	D-17
Operational Test and Evaluation R-1 Detail	D-18
Individual Defense Agency R-1 Detail	D-19 through D-52

**UNCLASSIFIED**

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**UNCLASSIFIED**

## UNCLASSIFIED

Department of Defense  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

<u>Appropriation</u>	<u>FY 2014 (Base &amp; OCO)</u>	<u>FY 2015 Base Enacted</u>	<u>FY 2015 OCO Enacted</u>	<u>FY 2015 Total Enacted</u>	<u>FY 2016 Base</u>	<u>FY 2016 OCO</u>	<u>FY 2016 Total</u>
Research, Development, Test & Eval, Army	7,124,298	6,673,146	2,000	6,675,146	6,924,959	1,500	6,926,459
Research, Development, Test & Eval, Navy	14,946,053	15,954,604	36,020	15,990,624	17,885,916	35,747	17,921,663
Research, Development, Test & Eval, AF	23,823,510	23,630,474	14,706	23,645,180	26,473,669	17,100	26,490,769
Research, Development, Test & Eval, DW	17,317,849	17,217,225	269,647*	17,486,872	18,329,861	137,087	18,466,948
Operational Test & Eval, Defense	246,091	208,711		208,711	170,558		170,558
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>63,457,801</b>	<b>63,684,160</b>	<b>322,373</b>	<b>64,006,533</b>	<b>69,784,963</b>	<b>191,434</b>	<b>69,976,397</b>
 <b><u>Other RDT&amp;E Budget Activities Not Included in the Research, Development, Test and Evaluation Title</u></b>							
Office of the Inspector General		1,400		1,400	4,700		4,700
Defense Health Program	1,710,284	1,730,536		1,730,536	980,101		980,101
Chem Agents & Munitions Destruction	604,183	595,913		595,913	579,342		579,342
National Defense Sealift Fund	31,072	24,417		24,417	25,197		25,197
<b>Total Not in Research, Development, Test &amp; Evaluation</b>	<b>2,345,539</b>	<b>2,352,266</b>		<b>2,352,266</b>	<b>1,589,340</b>		<b>1,589,340</b>

- \$95M for Ebola Response and Preparedness included in this total.

## UNCLASSIFIED

Department of Defense  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

<u>Summary Recap of Budget Activities</u>	<u>FY 2014</u> <u>(Base &amp; OCO)</u>	<u>FY 2015</u> <u>Base Enacted</u>	<u>FY 2015</u> <u>OCO Enacted</u>	<u>FY 2015</u> <u>Total Enacted</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>
Basic Research	2,095,608	2,277,688		2,277,688	2,088,929		2,088,929
Applied Research	4,522,847	4,602,807	45,000	4,647,807	4,713,175		4,713,175
Advanced Technology Development	5,102,272	5,303,616	22,700	5,326,316	5,464,217		5,464,217
Advanced Component Development & Prototypes	11,655,019	12,472,190	19,300	12,491,490	14,402,414	1,500	14,403,914
System Development & Demonstration	11,154,210	11,101,170	10,470	11,111,640	12,770,799		12,770,799
RDT&E Management Support	5,296,106	4,396,454		4,396,454	4,184,710		4,184,710
Operational Systems Development	23,631,739	23,530,235	224,903	23,755,138	26,160,719	189,934	26,350,653
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>63,457,801</b>	<b>63,684,160</b>	<b>322,373</b>	<b>64,006,533</b>	<b>69,784,963</b>	<b>191,434</b>	<b>69,976,397</b>
 <u>Summary Recap of FYDP Programs</u>							
Strategic Forces	379,374	657,471		657,471	792,436		792,436
General Purpose Forces	3,430,443	3,601,341	470	3,601,811	3,888,108	300	3,888,408
Intelligence and Communications	2,706,841	2,973,032	470	2,973,502	3,077,226		3,077,226
Mobility Forces	311,274	241,643		241,643	366,856		366,856
Research and Development	39,670,112	39,795,971	97,000	39,892,971	43,075,143	1,500	43,076,643
Central Supply and Maintenance	252,027	261,468		261,468	260,101		260,101
Training Medical and Other	39,961	41,488		41,488	47,083		47,083
Administration and Associated Activities	159,524	157,244		157,244	156,977		156,977
Support of Other Nations	3,785	3,790		3,790	2,315		2,315
Special Operations Forces	347,676	462,721	11,200	473,921	468,083		468,083
Classified Programs	16,156,784	15,487,991	213,233	15,701,224	17,650,635	189,634	17,840,269
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>63,457,801</b>	<b>63,684,160</b>	<b>322,373</b>	<b>64,006,533</b>	<b>69,784,963</b>	<b>191,434</b>	<b>69,976,397</b>

UNCLASSIFIED

Page III

UNCLASSIFIED

Department of Defense  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

	<u>FY 2014</u> <u>(Base &amp; OCO)</u>	<u>FY 2015</u> <u>Base Enacted</u>	<u>FY 2015</u> <u>OCO Enacted</u>	<u>FY 2015</u> <u>Total Enacted</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>
<u>Summary Recap of Non-RDT&amp;E Title FYDP Programs</u>							
Mobility Forces	31,072	24,417		24,417	25,197		25,197
Research and Development	1,710,284	1,730,536		1,730,536	980,101		980,101
Central Supply and Maintenance	604,183	595,913		595,913	579,342		579,342
Administration and Associated Activities		1,400		1,400	4,700		4,700
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>2,345,539</b>	<b>2,352,266</b>		<b>2,352,266</b>	<b>1,589,340</b>		<b>1,589,340</b>



## UNCLASSIFIED

Department of the Army  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

<u>Summary Recap of Budget Activities</u>	<u>FY 2014</u> <u>(Base &amp; OCO)</u>	<u>FY 2015</u> <u>Base Enacted</u>	<u>FY 2015</u> <u>OCO Enacted</u>	<u>FY 2015</u> <u>Total Enacted</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>
Basic Research	425,321	460,268		460,268	425,079		425,079
Applied Research	930,900	981,421		981,421	879,685		879,685
Advanced Technology Development	1,044,919	1,113,149		1,113,149	895,747		895,747
Advanced Component Development & Prototypes	424,652	302,922	2,000	304,922	498,659	1,500	500,159
System Development & Demonstration	1,955,833	1,622,353		1,622,353	2,068,950		2,068,950
RDT&E Management Support	1,317,280	1,015,139		1,015,139	1,027,542		1,027,542
Operational Systems Development	1,025,393	1,177,894		1,177,894	1,129,297		1,129,297
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>7,124,298</b>	<b>6,673,146</b>	<b>2,000</b>	<b>6,675,146</b>	<b>6,924,959</b>	<b>1,500</b>	<b>6,926,459</b>
 <u>Summary Recap of FYDP Programs</u>							
Strategic Forces	58,383						
General Purpose Forces	581,979	716,615		716,615	693,053		693,053
Intelligence and Communications	201,878	165,416		165,416	163,446		163,446
Research and Development	6,222,823	5,710,126	2,000	5,712,126	6,015,482	1,500	6,016,982
Central Supply and Maintenance	54,392	76,187		76,187	48,442		48,442
Administration and Associated Activities	126						
Classified Programs	4,717	4,802		4,802	4,536		4,536
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>7,124,298</b>	<b>6,673,146</b>	<b>2,000</b>	<b>6,675,146</b>	<b>6,924,959</b>	<b>1,500</b>	<b>6,926,459</b>

UNCLASSIFIED

Page A-1

## UNCLASSIFIED

Department of the Army  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	S e c
1	0601101A	In-House Laboratory Independent Research	01	21,255	13,427		13,427	13,018		13,018	U
2	0601102A	Defense Research Sciences	01	216,774	248,283		248,283	239,118		239,118	U
3	0601103A	University Research Initiatives	01	76,682	89,776		89,776	72,603		72,603	U
4	0601104A	University and Industry Research Centers	01	110,610	108,782		108,782	100,340		100,340	U
		<b>Basic Research</b>		<b>425,321</b>	<b>460,268</b>		<b>460,268</b>	<b>425,079</b>		<b>425,079</b>	
5	0602105A	Materials Technology	02	45,243	46,000		46,000	28,314		28,314	U
6	0602120A	Sensors and Electronic Survivability	02	42,677	46,258		46,258	38,374		38,374	U
7	0602122A	TRACTOR HIP	02	35,493	16,358		16,358	6,879		6,879	U
8	0602211A	Aviation Technology	02	54,667	63,414		63,414	56,884		56,884	U
9	0602270A	Electronic Warfare Technology	02	17,464	18,500		18,500	19,243		19,243	U
10	0602303A	Missile Technology	02	58,426	62,180		62,180	45,053		45,053	U
11	0602307A	Advanced Weapons Technology	02	25,310	38,513		38,513	29,428		29,428	U
12	0602308A	Advanced Concepts and Simulation	02	23,364	27,423		27,423	27,862		27,862	U
13	0602601A	Combat Vehicle and Automotive Technology	02	63,476	72,861		72,861	68,839		68,839	U
14	0602618A	Ballistics Technology	02	73,906	85,575		85,575	92,801		92,801	U
15	0602622A	Chemical, Smoke and Equipment Defeating Technology	02	4,378	3,970		3,970	3,866		3,866	U
16	0602623A	Joint Service Small Arms Program	02	7,592	6,850		6,850	5,487		5,487	U
17	0602624A	Weapons and Munitions Technology	02	52,013	63,057		63,057	48,340		48,340	U
18	0602705A	Electronics and Electronic Devices	02	68,062	73,422		73,422	55,301		55,301	U
19	0602709A	Night Vision Technology	02	42,624	44,935		44,935	33,807		33,807	U

UNCLASSIFIED

Page A-2

UNCLASSIFIED

Department of the Army  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
20	0602712A	Countermine Systems	02	30,019	29,428		29,428	25,068		25,068	U
21	0602716A	Human Factors Engineering Technology	02	21,118	23,778		23,778	23,681		23,681	U
22	0602720A	Environmental Quality Technology	02	22,333	15,653		15,653	20,850		20,850	U
23	0602782A	Command, Control, Communications Technology	02	33,580	33,807		33,807	36,160		36,160	U
24	0602783A	Computer and Software Technology	02	10,232	10,761		10,761	12,656		12,656	U
25	0602784A	Military Engineering Technology	02	69,192	67,302		67,302	63,409		63,409	U
26	0602785A	Manpower/Personnel/Training Technology	02	17,395	23,288		23,288	24,735		24,735	U
27	0602786A	Warfighter Technology	02	30,950	32,044		32,044	35,795		35,795	U
28	0602787A	Medical Technology	02	81,386	76,044		76,044	76,853		76,853	U
		<b>Applied Research</b>		<b>930,900</b>	<b>981,421</b>		<b>981,421</b>	<b>879,685</b>		<b>879,685</b>	
29	0603001A	Warfighter Advanced Technology	03	64,337	78,109		78,109	46,973		46,973	U
30	0603002A	Medical Advanced Technology	03	100,646	106,264		106,264	69,584		69,584	U
31	0603003A	Aviation Advanced Technology	03	78,513	102,950		102,950	89,736		89,736	U
32	0603004A	Weapons and Munitions Advanced Technology	03	72,934	72,908		72,908	57,663		57,663	U
33	0603005A	Combat Vehicle and Automotive Advanced Technology	03	146,486	147,485		147,485	113,071		113,071	U
34	0603006A	Space Application Advanced Technology	03	10,706	6,880		6,880	5,554		5,554	U
35	0603007A	Manpower, Personnel and Training Advanced Technology	03	6,145	13,574		13,574	12,636		12,636	U
36	0603008A	Electronic Warfare Advanced Technology	03	40,345	44,851		44,851				U
37	0603009A	TRACTOR HIKE	03	9,161	7,492		7,492	7,502		7,502	U

## UNCLASSIFIED

Department of the Army  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
38	0603015A	Next Generation Training & Simulation Systems	03	13,168	16,740		16,740	17,425		17,425	U
39	0603020A	TRACTOR ROSE	03	10,662	14,483		14,483	11,912		11,912	U
40	0603125A	Combating Terrorism - Technology Development	03	14,546	24,257		24,257	27,520		27,520	U
41	0603130A	TRACTOR NAIL	03	3,192	3,440		3,440	2,381		2,381	U
42	0603131A	TRACTOR EGGS	03	2,366	2,406		2,406	2,431		2,431	U
43	0603270A	Electronic Warfare Technology	03	24,652	26,046		26,046	26,874		26,874	U
44	0603313A	Missile and Rocket Advanced Technology	03	81,951	79,934		79,934	49,449		49,449	U
45	0603322A	TRACTOR CAGE	03	11,857	11,105		11,105	10,999		10,999	U
46	0603461A	High Performance Computing Modernization Program	03	213,238	221,518		221,518	177,159		177,159	U
47	0603606A	Landmine Warfare and Barrier Advanced Technology	03	22,233	13,070		13,070	13,993		13,993	U
48	0603607A	Joint Service Small Arms Program	03	4,902	7,318		7,318	5,105		5,105	U
49	0603710A	Night Vision Advanced Technology	03	43,459	44,119		44,119	40,929		40,929	U
50	0603728A	Environmental Quality Technology Demonstrations	03	11,540	11,445		11,445	10,727		10,727	U
51	0603734A	Military Engineering Advanced Technology	03	23,838	17,606		17,606	20,145		20,145	U
52	0603772A	Advanced Tactical Computer Science and Sensor Technology	03	34,042	39,149		39,149	38,163		38,163	U
53	0603794A	C3 Advanced Technology	03					37,816		37,816	U
		<b>Advanced Technology Development</b>		<b>1,044,919</b>	<b>1,113,149</b>		<b>1,113,149</b>	<b>895,747</b>		<b>895,747</b>	
54	0603305A	Army Missile Defense Systems Integration	04	23,117	25,795		25,795	10,347		10,347	U

UNCLASSIFIED

Page A-4

## UNCLASSIFIED

Department of the Army  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
55	0603308A	Army Space Systems Integration	04	13,448	13,996		13,996	25,061		25,061	U
56	0603619A	Landmine Warfare and Barrier - Adv Dev	04					49,636		49,636	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	31,580	29,318		29,318	46,749		46,749	U
59	0603653A	Advanced Tank Armament System (ATAS)	04	54,259							U
60	0603747A	Soldier Support and Survivability	04	11,513	6,997	2,000	8,997	6,258	1,500	7,758	U
61	0603766A	Tactical Electronic Surveillance System - Adv Dev	04	10,390	8,953		8,953	13,472		13,472	U
62	0603774A	Night Vision Systems Advanced Development	04	8,760	3,050		3,050	7,292		7,292	U
63	0603779A	Environmental Quality Technology - Dem/Val	04	2,544	7,826		7,826	8,813		8,813	U
64	0603782A	Warfighter Information Network-Tactical - DEM/VAL	04	118,256							U
65	0603790A	NATO Research and Development	04	3,743	2,952		2,952	6,075		6,075	U
66	0603801A	Aviation - Adv Dev	04	4,848							U
67	0603804A	Logistics and Engineer Equipment - Adv Dev	04	11,623	13,380		13,380	21,233		21,233	U
68	0603807A	Medical Systems - Adv Dev	04	17,524	23,647		23,647	31,962		31,962	U
69	0603827A	Soldier Systems - Advanced Development	04	13,844	6,828		6,828	22,194		22,194	U
70	0603850A	Integrated Broadcast Service	04	79							U
71	0604100A	Analysis Of Alternatives	04		9,910		9,910	9,805		9,805	U
72	0604115A	Technology Maturation Initiatives	04	10,741	44,214		44,214	40,917		40,917	U

UNCLASSIFIED

Page A-5

## UNCLASSIFIED

Department of the Army  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
73	0604120A	Assured Positioning, Navigation and Timing (PNT)	04	7,500	9,925		9,925	30,058		30,058	U
74	0604319A	Indirect Fire Protection Capability Increment 2-Intercept (IFPC2)	04	76,559	96,131		96,131	155,361		155,361	U
75	0604785A	Integrated Base Defense (Budget Activity 4)	04	4,324							U
<b>Advanced Component Development &amp; Prototypes</b>				<b>424,652</b>	<b>302,922</b>	<b>2,000</b>	<b>304,922</b>	<b>498,659</b>	<b>1,500</b>	<b>500,159</b>	
76	0604201A	Aircraft Avionics	05	64,396	41,236		41,236	12,939		12,939	U
77	0604220A	Armed, Deployable Helos	05	26,000							U
78	0604270A	Electronic Warfare Development	05	134,260	5,999		5,999	18,843		18,843	U
79	0604280A	Joint Tactical Radio	05	30,752	9,827		9,827	9,861		9,861	U
80	0604290A	Mid-tier Networking Vehicular Radio (MNVR)	05	22,553	9,725		9,725	8,763		8,763	U
81	0604321A	All Source Analysis System	05	4,837	5,532		5,532	4,309		4,309	U
82	0604328A	TRACTOR CAGE	05	28,229	19,929		19,929	15,138		15,138	U
83	0604601A	Infantry Support Weapons	05	82,332	34,575		34,575	74,128		74,128	U
84	0604604A	Medium Tactical Vehicles	05	2,068	210		210				U
85	0604611A	JAVELIN	05	4,471	4,164		4,164	3,945		3,945	U
86	0604622A	Family of Heavy Tactical Vehicles	05	23,944	12,906		12,906				U
87	0604633A	Air Traffic Control	05	514	16,756		16,756	10,076		10,076	U
88	0604641A	Tactical Unmanned Ground Vehicle (TUGV)	05		2,769		2,769	40,374		40,374	U
89	0604710A	Night Vision Systems - Eng Dev	05	47,811	65,299		65,299	67,582		67,582	U
90	0604713A	Combat Feeding, Clothing, and Equipment	05	1,874	3,034		3,034	1,763		1,763	U

UNCLASSIFIED

Page A-6

## UNCLASSIFIED

Department of the Army  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
91	0604715A	Non-System Training Devices - Eng Dev	05	22,168	8,943		8,943	27,155		27,155	U
92	0604741A	Air Defense Command, Control and Intelligence - Eng Dev	05	38,412	15,898		15,898	24,569		24,569	U
93	0604742A	Constructive Simulation Systems Development	05	19,596	4,394		4,394	23,364		23,364	U
94	0604746A	Automatic Test Equipment Development	05	6,498	11,079		11,079	8,960		8,960	U
95	0604760A	Distributive Interactive Simulations (DIS) - Eng Dev	05	12,193	10,022		10,022	9,138		9,138	U
96	0604780A	Combined Arms Tactical Trainer (CATT) Core	05	26,720	34,712		34,712	21,622		21,622	U
97	0604798A	Brigade Analysis, Integration and Evaluation	05	91,427	85,246		85,246	99,242		99,242	U
98	0604802A	Weapons and Munitions - Eng Dev	05	16,770	14,998		14,998	21,379		21,379	U
99	0604804A	Logistics and Engineer Equipment - Eng Dev	05	43,497	24,566		24,566	48,339		48,339	U
100	0604805A	Command, Control, Communications Systems - Eng Dev	05	7,131	4,431		4,431	2,726		2,726	U
101	0604807A	Medical Materiel/Medical Biological Defense Equipment - Eng Dev	05	33,890	30,384		30,384	45,412		45,412	U
102	0604808A	Landmine Warfare/Barrier - Eng Dev	05	87,895	57,674		57,674	55,215		55,215	U
103	0604814A	Artillery Munitions - EMD	05	6,352							U
104	0604818A	Army Tactical Command & Control Hardware & Software	05	22,900	29,675		29,675	163,643		163,643	U
105	0604820A	Radar Development	05	1,796	5,221		5,221	12,309		12,309	U
106	0604822A	General Fund Enterprise Business System (GFEBS)	05	3,218				15,700		15,700	U
107	0604823A	Firefinder	05	17,734	23,480		23,480	6,243		6,243	U

UNCLASSIFIED

Page A-7

## UNCLASSIFIED

Department of the Army  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Se c
108	0604827A	Soldier Systems - Warrior Dem/Val	05	25,477	6,155		6,155	18,776		18,776	U
109	0604854A	Artillery Systems - EMD	05	117,241	1,911		1,911	1,953		1,953	U
110	0605013A	Information Technology Development	05	59,329	69,728		69,728	67,358		67,358	U
111	0605018A	Integrated Personnel and Pay System-Army (IPPS-A)	05	34,400	68,434		68,434	136,011		136,011	U
112	0605028A	Armored Multi-Purpose Vehicle (AMPV)	05	27,345	92,309		92,309	230,210		230,210	U
113	0605030A	Joint Tactical Network Center (JTNC)	05	65,849	8,436		8,436	13,357		13,357	U
114	0605031A	Joint Tactical Network (JTN)	05		17,989		17,989	18,055		18,055	U
115	0605032A	TRACTOR TIRE	05					5,677		5,677	U
116	0605035A	Common Infrared Countermeasures (CIRCM)	05		145,337		145,337	77,570		77,570	U
117	0605051A	Aircraft Survivability Development	05					18,112		18,112	U
118	0605350A	WIN-T Increment 3 - Full Networking	05		113,155		113,155	39,700		39,700	U
119	0605380A	AMF Joint Tactical Radio System (JTRS)	05	9,874	6,878		6,878	12,987		12,987	U
120	0605450A	Joint Air-to-Ground Missile (JAGM)	05	15,684	83,799		83,799	88,866		88,866	U
121	0605456A	PAC-3/MSE Missile	05	86,223	34,991		34,991	2,272		2,272	U
122	0605457A	Army Integrated Air and Missile Defense (AIAMD)	05	358,192	152,516		152,516	214,099		214,099	U
123	0605625A	Manned Ground Vehicle	05	96,820	49,134		49,134	49,247		49,247	U
124	0605626A	Aerial Common Sensor	05	10,377	17,748		17,748	2		2	U
125	0605766A	National Capabilities Integration (MIP)	05	21,132	15,212		15,212	10,599		10,599	U
126	0605812A	Joint Light Tactical Vehicle (JLTV) Engineering and Manufacturing Development Ph	05	81,388	45,694		45,694	32,486		32,486	U

UNCLASSIFIED

Page A-8



## UNCLASSIFIED

Department of the Army  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
127	0605830A	Aviation Ground Support Equipment	05		10,036		10,036	8,880		8,880	U
128	0210609A	Paladin Integrated Management (PIM)	05		80,263		80,263	152,288		152,288	U
129	0303032A	TROJAN - RH12	05	3,463	983		983	5,022		5,022	U
130	0304270A	Electronic Warfare Development	05	10,801	8,961		8,961	12,686		12,686	U
		<b>System Development &amp; Demonstration</b>		<b>1,955,833</b>	<b>1,622,353</b>		<b>1,622,353</b>	<b>2,068,950</b>		<b>2,068,950</b>	
131	0604256A	Threat Simulator Development	06	23,598	22,057		22,057	20,035		20,035	U
132	0604258A	Target Systems Development	06	13,139	10,037		10,037	16,684		16,684	U
133	0604759A	Major T&E Investment	06	38,534	56,285		56,285	62,580		62,580	U
134	0605103A	Rand Arroyo Center	06	18,281	20,601		20,601	20,853		20,853	U
135	0605301A	Army Kwajalein Atoll	06	187,225	175,956		175,956	205,145		205,145	U
136	0605326A	Concepts Experimentation Program	06	21,563	19,430		19,430	19,430		19,430	U
137	0605502A	Small Business Innovative Research	06	182,958							U
138	0605601A	Army Test Ranges and Facilities	06	335,270	274,980		274,980	277,646		277,646	U
139	0605602A	Army Technical Test Instrumentation and Targets	06	63,944	45,573		45,573	51,550		51,550	U
140	0605604A	Survivability/Lethality Analysis	06	42,865	33,294		33,294	33,246		33,246	U
141	0605606A	Aircraft Certification	06	5,953	4,700		4,700	4,760		4,760	U
142	0605702A	Meteorological Support to RDT&E Activities	06	7,210	6,411		6,411	8,303		8,303	U
143	0605706A	Materiel Systems Analysis	06	19,694	20,744		20,744	20,403		20,403	U
144	0605709A	Exploitation of Foreign Items	06	7,125	7,015		7,015	10,396		10,396	U
145	0605712A	Support of Operational Testing	06	55,062	49,217		49,217	49,337		49,337	U
146	0605716A	Army Evaluation Center	06	64,425	55,031		55,031	52,694		52,694	U

UNCLASSIFIED

Page A-9

## UNCLASSIFIED

Department of the Army  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
147	0605718A	Army Modeling & Sim X-Command Collaboration & Integ	06	1,239	1,124		1,124	938		938	U
148	0605801A	Programwide Activities	06	81,013	64,160		64,160	60,319		60,319	U
149	0605803A	Technical Information Activities	06	33,018	32,303		32,303	28,478		28,478	U
150	0605805A	Munitions Standardization, Effectiveness and Safety	06	56,543	64,027		64,027	32,604		32,604	U
151	0605857A	Environmental Quality Technology Mgmt Support	06	5,019	2,611		2,611	3,186		3,186	U
152	0605898A	Management HQ - R&D	06	53,476	49,583		49,583	48,955		48,955	U
153	0909999A	Financing for Cancelled Account Adjustments	06	126							U
		<b>RDT&amp;E Management Support</b>		<b>1,317,280</b>	<b>1,015,139</b>		<b>1,015,139</b>	<b>1,027,542</b>		<b>1,027,542</b>	
154	0603778A	MLRS Product Improvement Program	07	93,621	17,103		17,103	18,397		18,397	U
155	0603813A	TRACTOR PULL	07					9,461		9,461	U
156	0607131A	Weapons and Munitions Product Improvement Programs	07					4,945		4,945	U
157	0607133A	TRACTOR SMOKE	07					7,569		7,569	U
158	0607135A	Apache Product Improvement Program	07		86,099		86,099	69,862		69,862	U
159	0607136A	Blackhawk Product Improvement Program	07		48,446		48,446	66,653		66,653	U
160	0607137A	Chinook Product Improvement Program	07		35,424		35,424	37,407		37,407	U
161	0607138A	Fixed Wing Product Improvement Program	07		819		819	1,151		1,151	U
162	0607139A	Improved Turbine Engine Program	07		49,328		49,328	51,164		51,164	U
163	0607140A	Emerging Technologies from NIE	07		4,916		4,916	2,481		2,481	U
164	0607141A	Logistics Automation	07	3,592	3,652		3,652	1,673		1,673	U

UNCLASSIFIED

Page A-10

## UNCLASSIFIED

Department of the Army  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
165	0607664A	Biometric Enabling Capability (BEC)	07		1,332		1,332				U
166	0607665A	Family of Biometrics	07	7,160				13,237		13,237	U
167	0607865A	Patriot Product Improvement	07	33,935	57,962		57,962	105,816		105,816	U
168	0102419A	Aerostat Joint Project - EMD	07	58,383							U
169	0202429A	Aerostat Joint Project - COCOM Exercise	07	22,252	43,248		43,248	40,565		40,565	U
170	0203726A	Adv Field Artillery Tactical Data System	07	24,120	1,273		1,273				U
171	0203728A	Joint Automated Deep Operation Coordination System (JADOCS)	07		36,658		36,658	35,719		35,719	U
172	0203735A	Combat Vehicle Improvement Programs	07	171,543	297,850		297,850	257,167		257,167	U
173	0203740A	Maneuver Control System	07	35,337	45,065		45,065	15,445		15,445	U
174	0203744A	Aircraft Modifications/Product Improvement Programs	07	227,333							U
175	0203752A	Aircraft Engine Component Improvement Program	07	309	381		381	364		364	U
176	0203758A	Digitization	07	5,978	5,993		5,993	4,361		4,361	U
177	0203801A	Missile/Air Defense Product Improvement Program	07	1,830	5,112		5,112	3,154		3,154	U
178	0203802A	Other Missile Product Improvement Programs	07	60,005	38,323		38,323	35,951		35,951	U
179	0203808A	TRACTOR CARD	07	18,768	22,691		22,691	34,686		34,686	U
180	0205402A	Integrated Base Defense - Operational System Dev	07		4,362		4,362	10,750		10,750	U
181	0205410A	Materials Handling Equipment	07		834		834	402		402	U
182	0205412A	Environmental Quality Technology - Operational System Dev	07		280		280				U

UNCLASSIFIED

Page A-11

## UNCLASSIFIED

Department of the Army  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	S e c
183	0205456A	Lower Tier Air and Missile Defense (AMD) System	07		78,720		78,720	64,159		64,159	U
184	0205778A	Guided Multiple-Launch Rocket System (GMLRS)	07		45,353		45,353	17,527		17,527	U
185	0208053A	Joint Tactical Ground System	07	14,504	10,209		10,209	20,515		20,515	U
187	0303028A	Security and Intelligence Activities	07	7,596	12,518		12,518	12,368		12,368	U
188	0303140A	Information Systems Security Program	07	9,040	14,167		14,167	31,154		31,154	U
189	0303141A	Global Combat Support System	07	39,834	4,525		4,525	12,274		12,274	U
190	0303142A	SATCOM Ground Environment (SPACE)	07	17,644	11,006		11,006	9,355		9,355	U
191	0303150A	WWMCCS/Global Command and Control System	07	13,852	2,150		2,150	7,053		7,053	U
193	0305179A	Integrated Broadcast Service (IBS)	07					750		750	U
194	0305204A	Tactical Unmanned Aerial Vehicles	07	33,515	22,870		22,870	13,225		13,225	U
195	0305206A	Airborne Reconnaissance Systems	07					22,870		22,870	U
196	0305208A	Distributed Common Ground/Surface Systems	07	27,607	20,155		20,155	25,592		25,592	U
197	0305219A	MQ-1C Gray Eagle UAS	07	13,074	46,472		46,472				U
198	0305232A	RQ-11 UAV	07	5,984							U
199	0305233A	RQ-7 UAV	07	12,025	16,389		16,389	7,297		7,297	U
200	0307665A	Biometrics Enabled Intelligence	07	7,443	1,973		1,973				U
201	0310349A	Win-T Increment 2 - Initial Networking	07		3,247		3,247	3,800		3,800	U

UNCLASSIFIED

Page A-12

UNCLASSIFIED

Department of the Army  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
202	0708045A	End Item Industrial Preparedness Activities	07	54,392	76,187		76,187	48,442		48,442	U
9999	9999999999	Classified Programs		4,717	4,802		4,802	4,536		4,536	U
		Operational Systems Development		1,025,393	1,177,894		1,177,894	1,129,297		1,129,297	
<b>Total Research, Development, Test &amp; Eval, Army</b>				<b>7,124,298</b>	<b>6,673,146</b>	<b>2,000</b>	<b>6,675,146</b>	<b>6,924,959</b>	<b>1,500</b>	<b>6,926,459</b>	

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

<u>Summary Recap of Budget Activities</u>	<u>FY 2014</u> <u>(Base &amp; OCO)</u>	<u>FY 2015</u> <u>Base Enacted</u>	<u>FY 2015</u> <u>OCO Enacted</u>	<u>FY 2015</u> <u>Total Enacted</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>
Basic Research	604,155	650,153		650,153	586,928		586,928
Applied Research	844,152	869,912		869,912	864,570		864,570
Advanced Technology Development	622,947	635,203		635,203	662,864		662,864
Advanced Component Development & Prototypes	4,151,886	4,443,594		4,443,594	5,024,626		5,024,626
System Development & Demonstration	4,174,217	5,236,176	470	5,236,646	6,308,800		6,308,800
Management Support	1,153,417	972,892		972,892	955,955		955,955
Operational Systems Development	3,395,279	3,146,674	35,550	3,182,224	3,482,173	35,747	3,517,920
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>14,946,053</b>	<b>15,954,604</b>	<b>36,020</b>	<b>15,990,624</b>	<b>17,885,916</b>	<b>35,747</b>	<b>17,921,663</b>
 <u>Summary Recap of FYDP Programs</u>							
Strategic Forces	139,615	142,745		142,745	174,014		174,014
General Purpose Forces	1,292,622	1,265,259	470	1,265,729	1,429,549		1,429,549
Intelligence and Communications	644,998	713,250	470	713,720	766,221		766,221
Research and Development	11,368,895	12,607,993		12,607,993	14,235,441		14,235,441
Central Supply and Maintenance	79,240	62,684		62,684	28,506		28,506
Administration and Associated Activities	1,209						
Classified Programs	1,419,474	1,162,673	35,080	1,197,753	1,252,185	35,747	1,287,932
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>14,946,053</b>	<b>15,954,604</b>	<b>36,020</b>	<b>15,990,624</b>	<b>17,885,916</b>	<b>35,747</b>	<b>17,921,663</b>

UNCLASSIFIED

Page N-1

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
1	0601103N	University Research Initiatives	01	108,617	133,908		133,908	116,196		116,196	U
2	0601152N	In-House Laboratory Independent Research	01	18,135	19,142		19,142	19,126		19,126	U
3	0601153N	Defense Research Sciences	01	477,403	497,103		497,103	451,606		451,606	U
		<b>Basic Research</b>		<b>604,155</b>	<b>650,153</b>		<b>650,153</b>	<b>586,928</b>		<b>586,928</b>	
4	0602114N	Power Projection Applied Research	02	104,413	95,753		95,753	68,723		68,723	U
5	0602123N	Force Protection Applied Research	02	168,311	163,660		163,660	154,963		154,963	U
6	0602131M	Marine Corps Landing Force Technology	02	45,834	45,782		45,782	49,001		49,001	U
7	0602235N	Common Picture Applied Research	02	35,411	43,533		43,533	42,551		42,551	U
8	0602236N	Warfighter Sustainment Applied Research	02	49,083	46,923		46,923	45,056		45,056	U
9	0602271N	Electromagnetic Systems Applied Research	02	98,551	107,663		107,663	115,051		115,051	U
10	0602435N	Ocean Warfighting Environment Applied Research	02	43,698	65,388		65,388	42,252		42,252	U
11	0602651M	Joint Non-Lethal Weapons Applied Research	02	5,805	5,880		5,880	6,119		6,119	U
12	0602747N	Undersea Warfare Applied Research	02	99,302	86,880		86,880	123,750		123,750	U
13	0602750N	Future Naval Capabilities Applied Research	02	162,580	175,924		175,924	179,686		179,686	U
14	0602782N	Mine and Expeditionary Warfare Applied Research	02	31,164	32,526		32,526	37,418		37,418	U
		<b>Applied Research</b>		<b>844,152</b>	<b>869,912</b>		<b>869,912</b>	<b>864,570</b>		<b>864,570</b>	
15	0603114N	Power Projection Advanced Technology	03	67,601	37,734		37,734	37,093		37,093	U
16	0603123N	Force Protection Advanced Technology	03	28,194	25,831		25,831	38,044		38,044	U

UNCLASSIFIED

Page N-2

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
17	0603271N	Electromagnetic Systems Advanced Technology	03	53,519	64,574		64,574	34,899		34,899	U
18	0603640M	USMC Advanced Technology Demonstration (ATD)	03	128,772	128,320		128,320	137,562		137,562	U
19	0603651M	Joint Non-Lethal Weapons Technology Development	03	11,452	11,498		11,498	12,745		12,745	U
20	0603673N	Future Naval Capabilities Advanced Technology Development	03	241,652	260,847		260,847	258,860		258,860	U
21	0603680N	Manufacturing Technology Program	03					57,074		57,074	U
22	0603729N	Warfighter Protection Advanced Technology	03	40,260	40,538		40,538	4,807		4,807	U
23	0603747N	Undersea Warfare Advanced Technology	03		9,985		9,985	13,748		13,748	U
24	0603758N	Navy Warfighting Experiments and Demonstrations	03	49,581	53,876		53,876	66,041		66,041	U
25	0603782N	Mine and Expeditionary Warfare Advanced Technology	03	1,916	2,000		2,000	1,991		1,991	U
<b>Advanced Technology Development</b>				<b>622,947</b>	<b>635,203</b>		<b>635,203</b>	<b>662,864</b>		<b>662,864</b>	
26	0603207N	Air/Ocean Tactical Applications	04	41,138	40,429		40,429	41,832		41,832	U
27	0603216N	Aviation Survivability	04	6,637	4,325		4,325	5,404		5,404	U
28	0603237N	Deployable Joint Command and Control	04	3,195	2,991		2,991	3,086		3,086	U
29	0603251N	Aircraft Systems	04	10,072	12,651		12,651	11,643		11,643	U
30	0603254N	ASW Systems Development	04	6,809	7,782		7,782	5,555		5,555	U
31	0603261N	Tactical Airborne Reconnaissance	04	5,257	5,270		5,270	3,087		3,087	U
32	0603382N	Advanced Combat Systems Technology	04	1,510	1,639		1,639	1,636		1,636	U
33	0603502N	Surface and Shallow Water Mine Countermeasures	04	150,540	86,333		86,333	118,588		118,588	U

UNCLASSIFIED

Page N-3



## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
34	0603506N	Surface Ship Torpedo Defense	04	83,366	50,781		50,781	77,385		77,385	U
35	0603512N	Carrier Systems Development	04	78,928	5,959		5,959	8,348		8,348	U
36	0603525N	PILOT FISH	04	107,210	138,865		138,865	123,246		123,246	U
37	0603527N	RETRACT LARCH	04	11,797	25,365		25,365	28,819		28,819	U
38	0603536N	RETRACT JUNIPER	04	77,292	76,477		76,477	112,678		112,678	U
39	0603542N	Radiological Control	04	757	669		669	710		710	U
40	0603553N	Surface ASW	04	8,543	1,053		1,053	1,096		1,096	U
41	0603561N	Advanced Submarine System Development	04	832,736	67,551		67,551	87,160		87,160	U
42	0603562N	Submarine Tactical Warfare Systems	04	8,675	8,044		8,044	10,371		10,371	U
43	0603563N	Ship Concept Advanced Design	04	17,604	17,864		17,864	11,888		11,888	U
44	0603564N	Ship Preliminary Design & Feasibility Studies	04	37,380	1,773		1,773	4,332		4,332	U
45	0603570N	Advanced Nuclear Power Systems	04	428,933	499,961		499,961	482,040		482,040	U
46	0603573N	Advanced Surface Machinery Systems	04	17,551	21,026		21,026	25,904		25,904	U
47	0603576N	CHALK EAGLE	04	511,633	542,415		542,415	511,802		511,802	U
48	0603581N	Littoral Combat Ship (LCS)	04	256,456	86,705		86,705	118,416		118,416	U
49	0603582N	Combat System Integration	04	4,270	20,881		20,881	35,901		35,901	U
50	0603595N	Ohio Replacement	04		853,277		853,277	971,393		971,393	U
51	0603596N	LCS Mission Modules	04	105,682	176,948		176,948	206,149		206,149	U
52	0603597N	Automated Test and Re-Test (ATRTR)	04	9,639	8,115		8,115	8,000		8,000	U
53	0603609N	Conventional Munitions	04	8,380	7,603		7,603	7,678		7,678	U
54	0603611M	Marine Corps Assault Vehicles	04	34,956	105,749		105,749	219,082		219,082	U

UNCLASSIFIED

Page N-4

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
55	0603635M	Marine Corps Ground Combat/Support System	04	1,362	1,342		1,342	623		623	U
56	0603654N	Joint Service Explosive Ordnance Development	04	34,773	21,384		21,384	18,260		18,260	U
57	0603658N	Cooperative Engagement	04	52,539	37,310		37,310	76,247		76,247	U
58	0603713N	Ocean Engineering Technology Development	04	7,530	6,264		6,264	4,520		4,520	U
59	0603721N	Environmental Protection	04	18,812	13,200		13,200	20,711		20,711	U
60	0603724N	Navy Energy Program	04	43,851	63,804		63,804	47,761		47,761	U
61	0603725N	Facilities Improvement	04	2,893	2,588		2,588	5,226		5,226	U
62	0603734N	CHALK CORAL	04	121,021	176,301		176,301	182,771		182,771	U
63	0603739N	Navy Logistic Productivity	04	3,715	3,473		3,473	3,866		3,866	U
64	0603746N	RETRACT MAPLE	04	293,872	376,028		376,028	360,065		360,065	U
65	0603748N	LINK PLUMERIA	04	153,214	260,096		260,096	237,416		237,416	U
66	0603751N	RETRACT ELM	04	56,519	42,233		42,233	37,944		37,944	U
67	0603764N	LINK EVERGREEN	04	54,613	46,504		46,504	47,312		47,312	U
68	0603787N	Special Processes	04	47,227	25,109		25,109	17,408		17,408	U
69	0603790N	NATO Research and Development	04	7,502	9,659		9,659	9,359		9,359	U
70	0603795N	Land Attack Technology	04		318		318	887		887	U
71	0603851M	Joint Non-Lethal Weapons Testing	04	39,470	35,627		35,627	29,448		29,448	U
72	0603860N	Joint Precision Approach and Landing Systems - Dem/Val	04	126,802	41,886		41,886	91,479		91,479	U
73	0603925N	Directed Energy and Electric Weapon Systems	04	4,349	55,696		55,696	67,360		67,360	U

UNCLASSIFIED

Page N-5

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
74	0604112N	Gerald R. Ford Class Nuclear Aircraft Carrier (CVN 78 - 80)	04		43,613		43,613	48,105		48,105	U
75	0604122N	Remote Minehunting System (RMS)	04		21,110		21,110	20,089		20,089	U
76	0604272N	Tactical Air Directional Infrared Countermeasures (TADIRCM)	04	24,562	5,556		5,556	18,969		18,969	U
77	0604279N	ASE Self-Protection Optimization	04	169	3,921		3,921	7,874		7,874	U
78	0604292N	MH-XX	04		3,055		3,055	5,298		5,298	U
79	0604454N	LX (R)	04		36,859		36,859	46,486		46,486	U
80	0604653N	Joint Counter Radio Controlled IED Electronic Warfare (JCREW)	04	15,582	15,197		15,197	3,817		3,817	U
81	0604659N	Precision Strike Weapons Development Program	04	2,191				9,595		9,595	U
82	0604707N	Space and Electronic Warfare (SEW) Architecture/Engineering Support	04	30,377	18,749		18,749	29,581		29,581	U
83	0604786N	Offensive Anti-Surface Warfare Weapon Development	04	86,683	181,939		181,939	285,849		285,849	U
84	0605812M	Joint Light Tactical Vehicle (JLTV) Engineering and Manufacturing Development Ph	04	50,251	9,445		9,445	36,656		36,656	U
85	0303354N	ASW Systems Development - MIP	04	4,908	6,495		6,495	9,835		9,835	U
86	0304270N	Electronic Warfare Development - MIP	04	153	332		332	580		580	U
		<b>Advanced Component Development &amp; Prototypes</b>		<b>4,151,886</b>	<b>4,443,594</b>		<b>4,443,594</b>	<b>5,024,626</b>		<b>5,024,626</b>	
87	0603208N	Training System Aircraft	05		25,153		25,153	21,708		21,708	U
88	0604212N	Other Helo Development	05	24,910	35,099		35,099	11,101		11,101	U
89	0604214N	AV-8B Aircraft - Eng Dev	05	30,291	25,372		25,372	39,878		39,878	U
90	0604215N	Standards Development	05	66,594	53,706		53,706	53,059		53,059	U

UNCLASSIFIED

Page N-6

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
91	0604216N	Multi-Mission Helicopter Upgrade Development	05	20,365	11,434		11,434	21,358		21,358	U
92	0604218N	Air/Ocean Equipment Engineering	05	3,915	2,164		2,164	4,515		4,515	U
93	0604221N	P-3 Modernization Program	05	779	710		710	1,514		1,514	U
94	0604230N	Warfare Support System	05	9,630	9,094		9,094	5,875		5,875	U
95	0604231N	Tactical Command System	05	62,298	60,195		60,195	81,553		81,553	U
96	0604234N	Advanced Hawkeye	05	103,489	176,700		176,700	272,149		272,149	U
97	0604245N	H-1 Upgrades	05	48,994	44,115		44,115	27,235		27,235	U
98	0604261N	Acoustic Search Sensors	05	28,344	23,214		23,214	35,763		35,763	U
99	0604262N	V-22A	05	42,205	57,749		57,749	87,918		87,918	U
100	0604264N	Air Crew Systems Development	05	7,418	15,014		15,014	12,679		12,679	U
101	0604269N	EA-18	05	10,550	18,730		18,730	56,921		56,921	U
102	0604270N	Electronic Warfare Development	05	34,239	28,742		28,742	23,685		23,685	U
103	0604273N	Executive Helo Development	05	92,840	368,084		368,084	507,093		507,093	U
104	0604274N	Next Generation Jammer (NGJ)	05	153,552	230,713		230,713	411,767		411,767	U
105	0604280N	Joint Tactical Radio System - Navy (JTRS-Navy)	05	3,909	6,945		6,945	25,071		25,071	U
106	0604307N	Surface Combatant Combat System Engineering	05	249,940	179,112		179,112	443,433		443,433	U
107	0604311N	LPD-17 Class Systems Integration	05	1,175	376		376	747		747	U
108	0604329N	Small Diameter Bomb (SDB)	05	24,215	56,286		56,286	97,002		97,002	U
109	0604366N	Standard Missile Improvements	05	60,933	36,698		36,698	129,649		129,649	U
110	0604373N	Airborne MCM	05	109,485	38,941		38,941	11,647		11,647	U

UNCLASSIFIED

Page N-7

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
111	0604376M	Marine Air Ground Task Force (MAGTF) Electronic Warfare (EW) for Aviation	05	12,032	7,832		7,832	2,778		2,778	U
112	0604378N	Naval Integrated Fire Control - Counter Air Systems Engineering	05	20,937	15,263		15,263	23,695		23,695	U
113	0604404N	Unmanned Carrier Launched Airborne Surveillance and Strike (UCLASS) System	05	115,275	403,008		403,008	134,708		134,708	U
114	0604501N	Advanced Above Water Sensors	05	144,589	19,809		19,809	43,914		43,914	U
115	0604503N	SSN-688 and Trident Modernization	05	83,361	71,551		71,551	109,908		109,908	U
116	0604504N	Air Control	05	9,664	29,037		29,037	57,928		57,928	U
117	0604512N	Shipboard Aviation Systems	05	77,046	122,083		122,083	120,217		120,217	U
118	0604522N	Air and Missile Defense Radar (AMDR) System	05		129,706		129,706	241,754		241,754	U
119	0604558N	New Design SSN	05	60,843	87,695		87,695	122,556		122,556	U
120	0604562N	Submarine Tactical Warfare System	05	47,777	38,985		38,985	48,213		48,213	U
121	0604567N	Ship Contract Design/ Live Fire T&E	05	174,375	40,016		40,016	49,712		49,712	U
122	0604574N	Navy Tactical Computer Resources	05	3,582	3,935		3,935	4,096		4,096	U
123	0604580N	Virginia Payload Module (VPM)	05	57,282	120,602		120,602	167,719		167,719	U
124	0604601N	Mine Development	05	4,903	14,067		14,067	15,122		15,122	U
125	0604610N	Lightweight Torpedo Development	05	26,098	35,280		35,280	33,738		33,738	U
126	0604654N	Joint Service Explosive Ordnance Development	05	8,872	8,985		8,985	8,123		8,123	U
127	0604703N	Personnel, Training, Simulation, and Human Factors	05	4,233	7,669		7,669	7,686		7,686	U
128	0604727N	Joint Standoff Weapon Systems	05	434	4,400		4,400	405		405	U

UNCLASSIFIED

Page N-8

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	S e c
129	0604755N	Ship Self Defense (Detect & Control)	05	98,382	56,884		56,884	153,836		153,836	U
130	0604756N	Ship Self Defense (Engage: Hard Kill)	05	42,551	96,937		96,937	99,619		99,619	U
131	0604757N	Ship Self Defense (Engage: Soft Kill/EW)	05	112,900	116,904		116,904	116,798		116,798	U
132	0604761N	Intelligence Engineering	05	1,984	200		200	4,353		4,353	U
133	0604771N	Medical Development	05	27,725	27,287		27,287	9,443		9,443	U
134	0604777N	Navigation/ID System	05	41,735	29,504		29,504	32,469		32,469	U
135	0604800M	Joint Strike Fighter (JSF) - EMD	05	410,080	499,048		499,048	537,901		537,901	U
136	0604800N	Joint Strike Fighter (JSF) - EMD	05	425,340	502,260		502,260	504,736		504,736	U
137	0604810M	Joint Strike Fighter Follow On Development - Marine Corps	05		10,399		10,399	59,265		59,265	U
138	0604810N	Joint Strike Fighter Follow On Development - Navy	05		10,622		10,622	47,579		47,579	U
139	0605013M	Information Technology Development	05	4,787	2,887		2,887	5,914		5,914	U
140	0605013N	Information Technology Development	05	51,746	66,317		66,317	89,711		89,711	U
141	0605212N	CH-53K RDTE	05	447,511	559,687		559,687	632,092		632,092	U
142	0605220N	Ship to Shore Connector (SSC)	05		42,778		42,778	7,778		7,778	U
143	0605450N	Joint Air-to-Ground Missile (JAGM)	05	4,757	6,300		6,300	25,898		25,898	U
144	0605500N	Multi-mission Maritime Aircraft (MMA)	05	252,426	306,033		306,033	247,929		247,929	U
145	0204202N	DDG-1000	05	189,580	202,517		202,517	103,199		103,199	U
146	0304231N	Tactical Command System - MIP	05	2,140	1,011		1,011	998		998	U
147	0304785N	Tactical Cryptologic Systems	05	9,406	10,357	470	10,827	17,785		17,785	U

UNCLASSIFIED

Page N-9

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Se c
148	0305124N	Special Applications Program	05	9,794	23,975		23,975	35,905		35,905	U
		<b>System Development &amp; Demonstration</b>		<b>4,174,217</b>	<b>5,236,176</b>	<b>470</b>	<b>5,236,646</b>	<b>6,308,800</b>		<b>6,308,800</b>	
149	0604256N	Threat Simulator Development	06	42,177	40,793		40,793	30,769		30,769	U
150	0604258N	Target Systems Development	06	70,263	66,718		66,718	112,606		112,606	U
151	0604759N	Major T&E Investment	06	37,974	123,993		123,993	61,234		61,234	U
152	0605126N	Joint Theater Air and Missile Defense Organization	06	1,322	4,960		4,960	6,995		6,995	U
153	0605152N	Studies and Analysis Support - Navy	06	5,453	3,484		3,484	4,011		4,011	U
154	0605154N	Center for Naval Analyses	06	44,928	44,696		44,696	48,563		48,563	U
155	0605285N	Next Generation Fighter	06		4,794		4,794	5,000		5,000	U
156	0605502N	Small Business Innovative Research	06	294,649							U
157	0605804N	Technical Information Services	06	1,046	876		876	925		925	U
158	0605853N	Management, Technical & International Support	06	81,918	87,038		87,038	78,143		78,143	U
159	0605856N	Strategic Technical Support	06	3,085	2,590		2,590	3,258		3,258	U
160	0605861N	RDT&E Science and Technology Management	06	71,998	73,033		73,033	76,948		76,948	U
161	0605863N	RDT&E Ship and Aircraft Support	06	140,064	138,304		138,304	132,122		132,122	U
162	0605864N	Test and Evaluation Support	06	303,177	336,286		336,286	351,912		351,912	U
163	0605865N	Operational Test and Evaluation Capability	06	16,304	16,650		16,650	17,985		17,985	U
164	0605866N	Navy Space and Electronic Warfare (SEW) Support	06	3,885	2,503		2,503	5,316		5,316	U
165	0605867N	SEW Surveillance/Reconnaissance Support	06	7,134	8,325		8,325	6,519		6,519	U

UNCLASSIFIED

Page N-10

UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
166	0605873M	Marine Corps Program Wide Support	06	26,831	17,849		17,849	13,649		13,649	U
167	0909999N	Financing for Cancelled Account Adjustments	06	1,209							U
		<b>Management Support</b>		<b>1,153,417</b>	<b>972,892</b>		<b>972,892</b>	<b>955,955</b>		<b>955,955</b>	
169	0604227N	HARPOON Modifications	07	199							U
170	0604402N	Unmanned Combat Air Vehicle (UCAV) Advanced Component and Prototype Development	07	24,893	35,877		35,877				U
171	0604766M	Marine Corps Data Systems	07	34							U
172	0605525N	Carrier Onboard Delivery (COD) Follow On	07	1,230	8,873		8,873				U
173	0605555N	Strike Weapons Development	07	8,955							U
174	0101221N	Strategic Sub & Weapons System Support	07	86,197	94,525		94,525	107,039		107,039	U
175	0101224N	SSBN Security Technology Program	07	30,719	30,039		30,039	46,506		46,506	U
176	0101226N	Submarine Acoustic Warfare Development	07	1,430	4,509		4,509	3,900		3,900	U
177	0101402N	Navy Strategic Communications	07	21,269	13,672		13,672	16,569		16,569	U
178	0203761N	Rapid Technology Transition (RTT)	07	8,561	8,480		8,480	18,632		18,632	U
179	0204136N	F/A-18 Squadrons	07	110,487	86,216		86,216	133,265		133,265	U
180	0204152N	E-2 Squadrons	07	1,903							U
181	0204163N	Fleet Telecommunications (Tactical)	07	22,576	27,039		27,039	62,867		62,867	U
182	0204228N	Surface Support	07	2,320	2,878		2,878	36,045		36,045	U
183	0204229N	Tomahawk and Tomahawk Mission Planning Center (TMPC)	07	12,015	26,145		26,145	25,228		25,228	U
184	0204311N	Integrated Surveillance System	07	41,609	34,471		34,471	54,218		54,218	U



## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
185	0204413N	Amphibious Tactical Support Units (Displacement Craft)	07	4,534	4,609		4,609	11,335		11,335	U
186	0204460M	Ground/Air Task Oriented Radar (G/ ATOR)	07	74,432	99,082		99,082	80,129		80,129	U
187	0204571N	Consolidated Training Systems Development	07	38,444	37,922		37,922	39,087		39,087	U
188	0204574N	Cryptologic Direct Support	07	2,703	1,157	470	1,627	1,915		1,915	U
189	0204575N	Electronic Warfare (EW) Readiness Support	07	18,859	16,567		16,567	46,609		46,609	U
190	0205601N	HARM Improvement	07	13,581	17,420		17,420	52,708		52,708	U
191	0205604N	Tactical Data Links	07	162,499	121,680		121,680	149,997		149,997	U
192	0205620N	Surface ASW Combat System Integration	07	30,985	26,366		26,366	24,460		24,460	U
193	0205632N	MK-48 ADCAP	07	10,050	25,952		25,952	42,206		42,206	U
194	0205633N	Aviation Improvements	07	76,009	85,037		85,037	117,759		117,759	U
195	0205675N	Operational Nuclear Power Systems	07	116,928	104,023		104,023	101,323		101,323	U
196	0206313M	Marine Corps Communications Systems	07	157,440	73,982		73,982	67,763		67,763	U
197	0206335M	Common Aviation Command and Control System (CAC2S)	07		32,495		32,495	13,431		13,431	U
198	0206623M	Marine Corps Ground Combat/ Supporting Arms Systems	07	116,944	52,377		52,377	56,769		56,769	U
199	0206624M	Marine Corps Combat Services Support	07	23,883	20,999		20,999	20,729		20,729	U
200	0206625M	USMC Intelligence/Electronic Warfare Systems (MIP)	07	35,213	14,170		14,170	13,152		13,152	U
201	0206629M	Amphibious Assault Vehicle	07		96,207		96,207	48,535		48,535	U
202	0207161N	Tactical AIM Missiles	07	17,518	37,258		37,258	76,016		76,016	U

UNCLASSIFIED

Page N-12

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
203	0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	07	2,575	10,210		10,210	32,172		32,172	U
204	0208058N	Joint High Speed Vessel (JHSV)	07	974							U
208	0303109N	Satellite Communications (SPACE)	07	63,642	41,729		41,729	53,239		53,239	U
209	0303138N	Consolidated Afloat Network Enterprise Services (CANES)	07	23,965	22,773		22,773	21,677		21,677	U
210	0303140N	Information Systems Security Program	07	25,604	23,016		23,016	28,102		28,102	U
211	0303150M	WWMCCS/Global Command and Control System	07					294		294	U
213	0305160N	Navy Meteorological and Ocean Sensors-Space (METOC)	07	726	359		359	599		599	U
214	0305192N	Military Intelligence Program (MIP) Activities	07	5,758	6,166		6,166	6,207		6,207	U
215	0305204N	Tactical Unmanned Aerial Vehicles	07	8,381	8,505		8,505	8,550		8,550	U
216	0305205N	UAS Integration and Interoperability	07					41,831		41,831	U
217	0305208M	Distributed Common Ground/Surface Systems	07	5,207	11,606		11,606	1,105		1,105	U
218	0305208N	Distributed Common Ground/Surface Systems	07	17,718	18,146		18,146	33,149		33,149	U
219	0305220N	RQ-4 UAV	07	375,235	451,442		451,442	227,188		227,188	U
220	0305231N	MQ-8 UAV	07	41,713	43,294		43,294	52,770		52,770	U
221	0305232M	RQ-11 UAV	07		718		718	635		635	U
222	0305233N	RQ-7 UAV	07	710	851		851	688		688	U
223	0305234N	Small (Level 0) Tactical UAS (STUASL0)	07	5,033	4,813		4,813	4,647		4,647	U
224	0305239M	RQ-21A	07	11,122	8,192		8,192	6,435		6,435	U

UNCLASSIFIED

Page N-13

UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
225	0305241N	Multi-Intelligence Sensor Development	07	28,851	17,751		17,751	49,145		49,145	U
226	0305242M	Unmanned Aerial Systems (UAS) Payloads (MIP)	07		2,000		2,000	9,246		9,246	U
227	0305421N	RQ-4 Modernization	07		5,000		5,000	150,854		150,854	U
228	0308601N	Modeling and Simulation Support	07	4,932	4,719		4,719	4,757		4,757	U
229	0702207N	Depot Maintenance (Non-IF)	07	25,630	21,168		21,168	24,185		24,185	U
230	0708011N	Industrial Preparedness	07	48,795	37,169		37,169				U
231	0708730N	Maritime Technology (MARITECH)	07	4,815	4,347		4,347	4,321		4,321	U
9999	9999999999	Classified Programs		1,419,474	1,162,673	35,080	1,197,753	1,252,185	35,747	1,287,932	U
		<b>Operational Systems Development</b>		<b>3,395,279</b>	<b>3,146,674</b>	<b>35,550</b>	<b>3,182,224</b>	<b>3,482,173</b>	<b>35,747</b>	<b>3,517,920</b>	
<b>Total Research, Development, Test &amp; Eval, Navy</b>				<b>14,946,053</b>	<b>15,954,604</b>	<b>36,020</b>	<b>15,990,624</b>	<b>17,885,916</b>	<b>35,747</b>	<b>17,921,663</b>	

## UNCLASSIFIED

Department of the Air Force  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

<u>Summary Recap of Budget Activities</u>	<u>FY 2014</u> <u>(Base &amp; OCO)</u>	<u>FY 2015</u> <u>Base Enacted</u>	<u>FY 2015</u> <u>OCO Enacted</u>	<u>FY 2015</u> <u>Total Enacted</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>
Basic Research	510,830	551,008		551,008	485,253		485,253
Applied Research	1,124,358	1,100,790		1,100,790	1,217,342		1,217,342
Advanced Technology Development	624,332	629,912		629,912	675,785		675,785
Advanced Component Development & Prototypes	936,496	1,407,354		1,407,354	2,062,575		2,062,575
System Development & Demonstration	4,344,992	3,617,103		3,617,103	3,847,791		3,847,791
Management Support	1,418,396	1,178,699		1,178,699	1,174,584		1,174,584
Operational Systems Development	14,864,106	15,145,608	14,706	15,160,314	17,010,339	17,100	17,027,439
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>23,823,510</b>	<b>23,630,474</b>	<b>14,706</b>	<b>23,645,180</b>	<b>26,473,669</b>	<b>17,100</b>	<b>26,490,769</b>
 <u>Summary Recap of FYDP Programs</u>							
Strategic Forces	181,376	514,726		514,726	618,422		618,422
General Purpose Forces	1,475,225	1,541,794		1,541,794	1,687,905	300	1,688,205
Intelligence and Communications	1,362,446	1,640,102		1,640,102	1,635,920		1,635,920
Mobility Forces	311,274	241,643		241,643	366,856		366,856
Research and Development	9,095,792	8,343,388		8,343,388	9,105,003		9,105,003
Central Supply and Maintenance	91,235	98,657		98,657	156,778		156,778
Training Medical and Other	1,716	2,538		2,538	3,272		3,272
Administration and Associated Activities	119,003	116,625		116,625	117,056		117,056
Support of Other Nations	3,785	3,790		3,790	2,315		2,315
Classified Programs	11,181,658	11,127,211	14,706	11,141,917	12,780,142	16,800	12,796,942
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>23,823,510</b>	<b>23,630,474</b>	<b>14,706</b>	<b>23,645,180</b>	<b>26,473,669</b>	<b>17,100</b>	<b>26,490,769</b>

UNCLASSIFIED

Page F-1

## UNCLASSIFIED

Department of the Air Force  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
1	0601102F	Defense Research Sciences	01	364,195	389,979		389,979	329,721		329,721	U
2	0601103F	University Research Initiatives	01	133,798	147,079		147,079	141,754		141,754	U
3	0601108F	High Energy Laser Research Initiatives	01	12,837	13,950		13,950	13,778		13,778	U
		<b>Basic Research</b>		<b>510,830</b>	<b>551,008</b>		<b>551,008</b>	<b>485,253</b>		<b>485,253</b>	
4	0602102F	Materials	02	118,951	110,680		110,680	125,234		125,234	U
5	0602201F	Aerospace Vehicle Technologies	02	117,724	105,673		105,673	123,438		123,438	U
6	0602202F	Human Effectiveness Applied Research	02	101,157	96,894		96,894	100,530		100,530	U
7	0602203F	Aerospace Propulsion	02	193,204	172,550		172,550	182,326		182,326	U
8	0602204F	Aerospace Sensors	02	125,989	118,321		118,321	147,291		147,291	U
9	0602601F	Space Technology	02	100,066	98,229		98,229	116,122		116,122	U
10	0602602F	Conventional Munitions	02	80,804	87,387		87,387	99,851		99,851	U
11	0602605F	Directed Energy Technology	02	110,725	125,866		125,866	115,604		115,604	U
12	0602788F	Dominant Information Sciences and Methods	02	136,885	147,749		147,749	164,909		164,909	U
13	0602890F	High Energy Laser Research	02	38,853	37,441		37,441	42,037		42,037	U
		<b>Applied Research</b>		<b>1,124,358</b>	<b>1,100,790</b>		<b>1,100,790</b>	<b>1,217,342</b>		<b>1,217,342</b>	
14	0603112F	Advanced Materials for Weapon Systems	03	53,593	40,177		40,177	37,665		37,665	U
15	0603199F	Sustainment Science and Technology (S&T)	03	12,380	15,800		15,800	18,378		18,378	U
16	0603203F	Advanced Aerospace Sensors	03	31,968	34,334		34,334	42,183		42,183	U
17	0603211F	Aerospace Technology Dev/Demo	03	75,029	91,037		91,037	100,733		100,733	U
18	0603216F	Aerospace Propulsion and Power Technology	03	160,765	132,681		132,681	168,821		168,821	U

UNCLASSIFIED

Page F-2

## UNCLASSIFIED

Department of the Air Force  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
19	0603270F	Electronic Combat Technology	03	42,516	47,508		47,508	47,032		47,032	U
20	0603401F	Advanced Spacecraft Technology	03	57,787	68,907		68,907	54,897		54,897	U
21	0603444F	Maui Space Surveillance System (MSSS)	03	25,535	14,031		14,031	12,853		12,853	U
22	0603456F	Human Effectiveness Advanced Technology Development	03	24,508	21,788		21,788	25,448		25,448	U
23	0603601F	Conventional Weapons Technology	03	33,410	42,046		42,046	48,536		48,536	U
24	0603605F	Advanced Weapons Technology	03	18,519	33,542		33,542	30,195		30,195	U
25	0603680F	Manufacturing Technology Program	03	40,221	52,772		52,772	42,630		42,630	U
26	0603788F	Battlespace Knowledge Development and Demonstration	03	48,101	35,289		35,289	46,414		46,414	U
		<b>Advanced Technology Development</b>		<b>624,332</b>	<b>629,912</b>		<b>629,912</b>	<b>675,785</b>		<b>675,785</b>	
27	0603260F	Intelligence Advanced Development	04	3,983	5,408		5,408	5,032		5,032	U
28	0603287F	Physical Security Equipment	04	3,874							U
29	0603438F	Space Control Technology	04	22,862	6,075		6,075	4,070		4,070	U
30	0603742F	Combat Identification Technology	04	12,938	10,980		10,980	21,790		21,790	U
31	0603790F	NATO Research and Development	04	4,561	2,392		2,392	4,736		4,736	U
32	0603791F	International Space Cooperative R&D	04	379	833		833				U
33	0603830F	Space Security and Defense Program	04	23,986	31,613		31,613	30,771		30,771	U
34	0603851F	Intercontinental Ballistic Missile - Dem/Val	04	72,696	30,885		30,885	39,765		39,765	U
35	0603859F	Pollution Prevention - Dem/Val	04	953	998		998				U
36	0604015F	Long Range Strike	04	348,625	913,728		913,728	1,246,228		1,246,228	U
37	0604317F	Technology Transfer	04	2,531	4,769		4,769	3,512		3,512	U

UNCLASSIFIED

Page F-3

## UNCLASSIFIED

Department of the Air Force  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
38	0604327F	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	04	109,602				54,637		54,637	U
39	0604337F	Requirements Analysis and Maturation	04	11,486							U
40	0604422F	Weather System Follow-on	04		39,901		39,901	76,108		76,108	U
41	0604458F	Air & Space Ops Center	04	60,971							U
42	0604618F	Joint Direct Attack Munition	04	2,417							U
43	0604635F	Ground Attack Weapons Fuze Development	04	17,271							U
44	0604857F	Operationally Responsive Space	04	10,000	20,000		20,000	6,457		6,457	U
45	0604858F	Tech Transition Program	04	48,194	79,004		79,004	246,514		246,514	U
46	0605230F	Ground Based Strategic Deterrent	04					75,166		75,166	U
47	0105921F	Service Support to STRATCOM - Space Activities	04	2,685							U
48	0201184F	Counter Narco-Terrorism Program Office	04	510							U
49	0207110F	Next Generation Air Dominance	04		15,722		15,722	8,830		8,830	U
50	0207455F	Three Dimensional Long-Range Radar (3DELRR)	04	52,891	88,825		88,825	14,939		14,939	U
51	0305164F	NAVSTAR Global Positioning System (User Equipment) (SPACE)	04	123,081	156,221		156,221	142,288		142,288	U
52	0306250F	Cyber Operations Technology Development	04					81,732		81,732	U
		<b>Advanced Component Development &amp; Prototypes</b>		<b>936,496</b>	<b>1,407,354</b>		<b>1,407,354</b>	<b>2,062,575</b>		<b>2,062,575</b>	
53	0603260F	Intelligence Advanced Development	05	977							U
54	0604233F	Specialized Undergraduate Flight Training	05	3,601	13,324		13,324				U

UNCLASSIFIED

Page F-4

## UNCLASSIFIED

Department of the Air Force  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Se c
55	0604270F	Electronic Warfare Development	05	1,971	7,815		7,815	929		929	U
56	0604281F	Tactical Data Networks Enterprise	05	41,388	39,059		39,059	60,256		60,256	U
57	0604287F	Physical Security Equipment	05		3,926		3,926	5,973		5,973	U
58	0604329F	Small Diameter Bomb (SDB) - EMD	05	109,580	68,738		68,738	32,624		32,624	U
59	0604421F	Counterspace Systems	05	22,655	23,424		23,424	24,208		24,208	U
60	0604425F	Space Situation Awareness Systems	05	304,380	9,462		9,462	32,374		32,374	U
61	0604426F	Space Fence	05		200,082		200,082	243,909		243,909	U
62	0604429F	Airborne Electronic Attack	05	4,422	30,687		30,687	8,358		8,358	U
63	0604441F	Space Based Infrared System (SBIRS) High EMD	05	322,399	308,788		308,788	292,235		292,235	U
64	0604602F	Armament/Ordnance Development	05	13,661	29,112		29,112	40,154		40,154	U
65	0604604F	Submunitions	05	2,564	2,543		2,543	2,506		2,506	U
66	0604617F	Agile Combat Support	05	16,747	42,840		42,840	57,678		57,678	U
67	0604706F	Life Support Systems	05	7,069	14,854		14,854	8,187		8,187	U
68	0604735F	Combat Training Ranges	05	19,649	10,129		10,129	15,795		15,795	U
69	0604800F	F-35 - EMD	05	616,560	567,889		567,889	589,441		589,441	U
70	0604851F	Intercontinental Ballistic Missile - EMD	05	118,504							U
71	0604853F	Evolved Expendable Launch Vehicle Program (SPACE) - EMD	05	19,431	225,600		225,600	84,438		84,438	U
72	0604932F	Long Range Standoff Weapon	05	5,000	3,438		3,438	36,643		36,643	U
73	0604933F	ICBM Fuze Modernization	05	76,553	59,826		59,826	142,551		142,551	U
74	0605213F	F-22 Modernization Increment 3.2B	05	88,268	173,647		173,647	140,640		140,640	U

UNCLASSIFIED

Page F-5



## UNCLASSIFIED

Department of the Air Force  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
75	0605214F	Ground Attack Weapons Fuze Development	05		5,332		5,332	3,598		3,598	U
76	0605221F	KC-46	05	1,505,476	786,437		786,437	602,364		602,364	U
77	0605223F	Advanced Pilot Training	05		8,201		8,201	11,395		11,395	U
78	0605229F	CSAR HH-60 Recapitalization	05	333,558	100,000		100,000	156,085		156,085	U
79	0605278F	HC/MC-130 Recap RDT&E	05	2,611	4,497		4,497				U
80	0605431F	Advanced EHF MILSATCOM (SPACE)	05	261,554	307,898		307,898	228,230		228,230	U
81	0605432F	Polar MILSATCOM (SPACE)	05	101,401	103,245		103,245	72,084		72,084	U
82	0605433F	Wideband Global SATCOM (SPACE)	05	11,674	31,328		31,328	56,343		56,343	U
83	0605458F	Air & Space Ops Center 10.2 RDT&E	05		85,938		85,938	47,629		47,629	U
84	0605931F	B-2 Defensive Management System	05	248,971	98,768		98,768	271,961		271,961	U
85	0101125F	Nuclear Weapons Modernization	05	33,000	168,357		168,357	212,121		212,121	U
86	0207171F	F-15 EPAWSS	05					186,481		186,481	U
87	0207701F	Full Combat Mission Training	05	4,663	8,831		8,831	18,082		18,082	U
88	0305176F	Combat Survivor Evader Locator	05					993		993	U
89	0307581F	NextGen JSTARS	05		73,088		73,088	44,343		44,343	U
90	0401318F	CV-22	05	46,705							U
91	0401319F	Presidential Aircraft Replacement (PAR)	05					102,620		102,620	U
92	0701212F	Automated Test Systems	05					14,563		14,563	U
		<b>System Development &amp; Demonstration</b>		<b>4,344,992</b>	<b>3,617,103</b>		<b>3,617,103</b>	<b>3,847,791</b>		<b>3,847,791</b>	
93	0604256F	Threat Simulator Development	06	14,786	24,418		24,418	23,844		23,844	U
94	0604759F	Major T&E Investment	06	31,423	47,232		47,232	68,302		68,302	U

UNCLASSIFIED

Page F-6

## UNCLASSIFIED

Department of the Air Force  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Se c
95	0605101F	RAND Project Air Force	06	32,956	30,443		30,443	34,918		34,918	U
96	0605502F	Small Business Innovation Research	06	304,921							U
97	0605712F	Initial Operational Test & Evaluation	06	6,972	10,266		10,266	10,476		10,476	U
98	0605807F	Test and Evaluation Support	06	724,958	689,509		689,509	673,908		673,908	U
99	0605860F	Rocket Systems Launch Program (SPACE)	06	12,755	34,364		34,364	21,858		21,858	U
100	0605864F	Space Test Program (STP)	06	11,642	21,161		21,161	28,228		28,228	U
101	0605976F	Facilities Restoration and Modernization - Test and Evaluation Support	06	44,160	46,955		46,955	40,518		40,518	U
102	0605978F	Facilities Sustainment - Test and Evaluation Support	06	29,743	32,965		32,965	27,895		27,895	U
103	0606017F	Requirements Analysis and Maturation	06		16,350		16,350	16,507		16,507	U
104	0606116F	Space Test and Training Range Development	06		19,512		19,512	18,997		18,997	U
105	0606323F	Multi-Service Systems Engineering Initiative	06	6,682							U
106	0606392F	Space and Missile Center (SMC) Civilian Workforce	06	172,257	176,727		176,727	185,305		185,305	U
107	0308602F	ENTEPRISE INFORMATION SERVICES (EIS)	06		4,938		4,938	4,841		4,841	U
108	0702806F	Acquisition and Management Support	06	20,525	18,644		18,644	15,357		15,357	U
109	0804731F	General Skill Training	06	304	1,425		1,425	1,315		1,315	U
110	0909999F	Financing for Cancelled Account Adjustments	06	527							U
111	1001004F	International Activities	06	3,785	3,790		3,790	2,315		2,315	U
<b>Management Support</b>				<b>1,418,396</b>	<b>1,178,699</b>		<b>1,178,699</b>	<b>1,174,584</b>		<b>1,174,584</b>	

UNCLASSIFIED

Page F-7

## UNCLASSIFIED

Department of the Air Force  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
112	0603423F	Global Positioning System III - Operational Control Segment	07	361,381	299,060		299,060	350,232		350,232	U
113	0604233F	Specialized Undergraduate Flight Training	07					10,465		10,465	U
114	0604445F	Wide Area Surveillance	07	4,836	2,000		2,000	24,577		24,577	U
116	0604618F	Joint Direct Attack Munition	07		2,469		2,469				U
117	0605018F	AF Integrated Personnel and Pay System (AF-IPPS)	07	33,114	60,019		60,019	69,694		69,694	U
118	0605024F	Anti-Tamper Technology Executive Agency	07	25,733	34,815		34,815	26,718		26,718	U
119	0605278F	HC/MC-130 Recap RDT&E	07					10,807		10,807	U
121	0101113F	B-52 Squadrons	07	16,481	49,457		49,457	74,520		74,520	U
122	0101122F	Air-Launched Cruise Missile (ALCM)	07	983	450		450	451		451	U
123	0101126F	B-1B Squadrons	07	14,355	4,353		4,353	2,245		2,245	U
124	0101127F	B-2 Squadrons	07	80,225	116,580		116,580	108,183		108,183	U
125	0101213F	Minuteman Squadrons	07		139,109		139,109	178,929		178,929	U
126	0101313F	Strat War Planning System - USSTRATCOM	07	32,077	32,014		32,014	28,481		28,481	U
127	0101314F	Night Fist - USSTRATCOM	07					87		87	U
128	0101316F	Worldwide Joint Strategic Communications	07					5,315		5,315	U
130	0102326F	Region/Sector Operation Control Center Modernization Program	07	1,570	1,272		1,272				U
131	0105921F	Service Support to STRATCOM - Space Activities	07		3,134		3,134	8,090		8,090	U
132	0205219F	MQ-9 UAV	07	104,000	148,598		148,598	123,439		123,439	U

UNCLASSIFIED

Page F-8

UNCLASSIFIED

Department of the Air Force  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
133	0205671F	Joint Counter RCIED Electronic Warfare	07						300	300	U
134	0207131F	A-10 Squadrons	07	11,435							U
135	0207133F	F-16 Squadrons	07	109,887	133,105		133,105	148,297		148,297	U
136	0207134F	F-15E Squadrons	07	227,098	241,969		241,969	179,283		179,283	U
137	0207136F	Manned Destructive Suppression	07	10,724	14,831		14,831	14,860		14,860	U
138	0207138F	F-22A Squadrons	07	266,431	146,299		146,299	262,552		262,552	U
139	0207142F	F-35 Squadrons	07	3,000	40,092		40,092	115,395		115,395	U
140	0207161F	Tactical AIM Missiles	07	12,376	29,739		29,739	43,360		43,360	U
141	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	07	68,564	82,195		82,195	46,160		46,160	U
142	0207171F	F-15 EPAWSS	07		38,944		38,944				U
143	0207224F	Combat Rescue and Recovery	07	2,582	5,095		5,095	412		412	U
144	0207227F	Combat Rescue - Pararescue	07	350	883		883	657		657	U
145	0207247F	AF TENCAP	07	114,816	5,812		5,812	31,428		31,428	U
146	0207249F	Precision Attack Systems Procurement	07	2,000	1,081		1,081	1,105		1,105	U
147	0207253F	Compass Call	07	10,745	14,315		14,315	14,249		14,249	U
148	0207268F	Aircraft Engine Component Improvement Program	07	86,467	94,177		94,177	103,942		103,942	U
149	0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	07	6,202	12,897		12,897	12,793		12,793	U
150	0207410F	Air & Space Operations Center (AOC)	07	18,332	25,662		25,662	21,193		21,193	U
151	0207412F	Control and Reporting Center (CRC)	07	6,435				559		559	U
152	0207417F	Airborne Warning and Control System (AWACS)	07	143,404	180,804		180,804	161,812		161,812	U

## UNCLASSIFIED

Department of the Air Force  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Se c
153	0207418F	Tactical Airborne Control Systems	07	719	3,754		3,754	6,001		6,001	U
155	0207431F	Combat Air Intelligence System Activities	07	5,780	7,891		7,891	7,793		7,793	U
156	0207444F	Tactical Air Control Party-Mod	07	8,816	5,850		5,850	12,465		12,465	U
157	0207448F	C2ISR Tactical Data Link	07	1,373	1,744		1,744	1,681		1,681	U
158	0207449F	Command and Control (C2) Constellation	07	7,418							U
159	0207452F	DCAPES	07	9,769	821		821	16,796		16,796	U
160	0207581F	Joint Surveillance/Target Attack Radar System (JSTARS)	07	27,308							U
161	0207590F	Seek Eagle	07	22,046	23,844		23,844	21,564		21,564	U
162	0207601F	USAF Modeling and Simulation	07	8,439	12,034		12,034	24,994		24,994	U
163	0207605F	Wargaming and Simulation Centers	07	5,326	5,956		5,956	6,035		6,035	U
164	0207697F	Distributed Training and Exercises	07	3,600	3,357		3,357	4,358		4,358	U
165	0208006F	Mission Planning Systems	07	55,432	60,679		60,679	55,835		55,835	U
166	0208059F	Cyber Command Activities	07	36,824	67,057		67,057				U
167	0208087F	AF Offensive Cyberspace Operations	07	13,610	13,355		13,355	12,874		12,874	U
168	0208088F	AF Defensive Cyberspace Operations	07	5,853	5,576		5,576	7,681		7,681	U
171	0301017F	Global Sensor Integrated on Network (GSIN)	07					5,974		5,974	U
177	0301400F	Space Superiority Intelligence	07	10,697	10,697		10,697	13,815		13,815	U
178	0302015F	E-4B National Airborne Operations Center (NAOC)	07	12,816	25,852		25,852	80,360		80,360	U
179	0303001F	Family of Advanced BLoS Terminals (FAB-T)	07					3,907		3,907	U

UNCLASSIFIED

Page F-10

## UNCLASSIFIED

Department of the Air Force  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
180	0303131F	Minimum Essential Emergency Communications Network (MEECN)	07	18,981	80,882		80,882	75,062		75,062	U
181	0303140F	Information Systems Security Program	07	61,687	69,727		69,727	46,599		46,599	U
182	0303141F	Global Combat Support System	07	725	692		692				U
183	0303142F	Global Force Management - Data Initiative	07					2,470		2,470	U
184	0303601F	MILSATCOM Terminals	07	125,924	54,678		54,678				U
186	0304260F	Airborne SIGINT Enterprise	07	83,972	74,072		74,072	112,775		112,775	U
189	0305099F	Global Air Traffic Management (GATM)	07	4,027	4,157		4,157	4,235		4,235	U
190	0305103F	Cyber Security Initiative	07	1,979							U
191	0305105F	DoD Cyber Crime Center	07	279							U
192	0305110F	Satellite Control Network (SPACE)	07	34,488	20,806		20,806	7,879		7,879	U
193	0305111F	Weather Service	07	19,950	20,102		20,102	29,955		29,955	U
194	0305114F	Air Traffic Control, Approach, and Landing System (ATCALs)	07	31,920	26,087		26,087	21,485		21,485	U
195	0305116F	Aerial Targets	07	10,616	8,639		8,639	2,515		2,515	U
198	0305128F	Security and Investigative Activities	07	189				472		472	U
199	0305145F	Arms Control Implementation	07	1,430	13,222		13,222	12,137		12,137	U
200	0305146F	Defense Joint Counterintelligence Activities	07	10	40		40	361		361	U
203	0305173F	Space and Missile Test and Evaluation Center	07	3,584	3,674		3,674	3,162		3,162	U
204	0305174F	Space Innovation, Integration and Rapid Technology Development	07	2,409	2,071		2,071	1,543		1,543	U
205	0305179F	Integrated Broadcast Service (IBS)	07	6,954	8,592		8,592	7,860		7,860	U

UNCLASSIFIED

Page F-11

## UNCLASSIFIED

Department of the Air Force  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
206	0305182F	Spacelift Range System (SPACE)	07	11,909	13,318		13,318	6,902		6,902	U
207	0305202F	Dragon U-2	07	13,700	5,511		5,511	34,471		34,471	U
208	0305205F	Endurance Unmanned Aerial Vehicles	07	1,000	20,000		20,000				U
209	0305206F	Airborne Reconnaissance Systems	07	47,059	37,652		37,652	50,154		50,154	U
210	0305207F	Manned Reconnaissance Systems	07	13,491	13,516		13,516	13,245		13,245	U
211	0305208F	Distributed Common Ground/Surface Systems	07	6,321	26,994		26,994	22,784		22,784	U
212	0305219F	MQ-1 Predator A UAV	07	760				716		716	U
213	0305220F	RQ-4 UAV	07	120,180	241,828		241,828	208,053		208,053	U
214	0305221F	Network-Centric Collaborative Targeting	07	7,413	11,096		11,096	21,587		21,587	U
215	0305236F	Common Data Link Executive Agent (CDL EA)	07	33,896	32,015		32,015	43,986		43,986	U
216	0305238F	NATO AGS	07	221,589	232,851		232,851	197,486		197,486	U
217	0305240F	Support to DCGS Enterprise	07	19,309	17,118		17,118	28,434		28,434	U
218	0305265F	GPS III Space Segment	07	195,950	211,907		211,907	180,902		180,902	U
219	0305600F	International Intelligence Technology and Architectures	07		2,270		2,270				U
220	0305614F	JSPOC Mission System	07	56,523	73,779		73,779	81,911		81,911	U
221	0305881F	Rapid Cyber Acquisition	07	2,151	4,102		4,102	3,149		3,149	U
222	0305913F	NUDET Detection System (SPACE)	07	42,506	20,405		20,405	14,447		14,447	U
223	0305940F	Space Situation Awareness Operations	07	11,911	11,408		11,408	20,077		20,077	U
224	0306250F	Cyber Operations Technology Development	07		4,938		4,938				U
225	0308699F	Shared Early Warning (SEW)	07	1,060	1,157		1,157	853		853	U

UNCLASSIFIED

Page F-12

## UNCLASSIFIED

Department of the Air Force  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
226	0401115F	C-130 Airlift Squadron	07	47,700				33,962		33,962	U
227	0401119F	C-5 Airlift Squadrons (IF)	07	48,617	38,773		38,773	42,864		42,864	U
228	0401130F	C-17 Aircraft (IF)	07	97,134	82,948		82,948	54,807		54,807	U
229	0401132F	C-130J Program	07	22,443	26,715		26,715	31,010		31,010	U
230	0401134F	Large Aircraft IR Countermeasures (LAIRCM)	07	4,116	4,672		4,672	6,802		6,802	U
231	0401219F	KC-10s	07		2,714		2,714	1,799		1,799	U
232	0401314F	Operational Support Airlift	07	38,538	27,784		27,784	48,453		48,453	U
233	0401318F	CV-22	07		38,719		38,719	36,576		36,576	U
234	0401319F	Presidential Aircraft Replacement (PAR)	07		11,006		11,006				U
235	0408011F	Special Tactics / Combat Control	07	6,021	8,312		8,312	7,963		7,963	U
236	0702207F	Depot Maintenance (Non-IF)	07	1,605	1,407		1,407	1,525		1,525	U
237	0708610F	Logistics Information Technology (LOGIT)	07	58,532	62,894		62,894	112,676		112,676	U
238	0708611F	Support Systems Development	07	10,573	15,712		15,712	12,657		12,657	U
239	0804743F	Other Flight Training	07	1,347	987		987	1,836		1,836	U
240	0808716F	Other Personnel Activities	07	65	126		126	121		121	U
241	0901202F	Joint Personnel Recovery Agency	07	1,046	2,603		2,603	5,911		5,911	U
242	0901218F	Civilian Compensation Program	07	2,296	1,589		1,589	3,604		3,604	U
243	0901220F	Personnel Administration	07	8,322	5,026		5,026	4,598		4,598	U
244	0901226F	Air Force Studies and Analysis Agency	07	760	1,394		1,394	1,103		1,103	U
245	0901279F	Facilities Operation - Administrative	07	632	3,798		3,798				U

UNCLASSIFIED

Page F-13



UNCLASSIFIED

Department of the Air Force  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
246	0901538F	Financial Management Information Systems Development	07	105,420	102,215		102,215	101,840		101,840	U
9999	99999999999	Classified Programs		11,181,658	11,127,211	14,706	11,141,917	12,780,142	16,800	12,796,942	U
		Operational Systems Development		14,864,106	15,145,608		15,160,314	17,010,339	17,100	17,027,439	
<b>Total Research, Development, Test &amp; Eval, AF</b>				<b>23,823,510</b>	<b>23,630,474</b>		<b>23,645,180</b>	<b>26,473,669</b>	<b>17,100</b>	<b>26,490,769</b>	

## UNCLASSIFIED

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

<u>Summary Recap of Budget Activities</u>	<u>FY 2014 (Base &amp; OCO)</u>	<u>FY 2015 Base Enacted</u>	<u>FY 2015 OCO Enacted</u>	<u>FY 2015 Total Enacted</u>	<u>FY 2016 Base</u>	<u>FY 2016 OCO</u>	<u>FY 2016 Total</u>
Basic Research	555,302	616,259		616,259	591,669		591,669
Applied Research	1,623,437	1,650,684	45,000	1,695,684	1,751,578		1,751,578
Advanced Technology Development	2,810,074	2,925,352	22,700	2,948,052	3,229,821		3,229,821
Advanced Component Development And Prototypes	6,141,985	6,318,320	17,300	6,335,620	6,816,554		6,816,554
System Development And Demonstration	679,168	625,538	10,000	635,538	545,258		545,258
Management Support	1,160,922	1,021,013		1,021,013	856,071		856,071
Operational System Development	4,346,961	4,060,059	174,647	4,234,706	4,538,910	137,087	4,675,997
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>17,317,849</b>	<b>17,217,225</b>	<b>269,647</b>	<b>17,486,872</b>	<b>18,329,861</b>	<b>137,087</b>	<b>18,466,948</b>
 <u>Summary Recap of FYDP Programs</u>							
General Purpose Forces	80,617	77,673		77,673	77,601		77,601
Intelligence and Communications	497,519	454,264		454,264	511,639		511,639
Research and Development	12,736,511	12,925,753	95,000	13,020,753	13,548,659		13,548,659
Central Supply and Maintenance	27,160	23,940		23,940	26,375		26,375
Training Medical and Other	38,245	38,950		38,950	43,811		43,811
Administration and Associated Activities	39,186	40,619		40,619	39,921		39,921
Special Operations Forces	347,676	462,721	11,200	473,921	468,083		468,083
Classified Programs	3,550,935	3,193,305	163,447	3,356,752	3,613,772	137,087	3,750,859
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>17,317,849</b>	<b>17,217,225</b>	<b>269,647</b>	<b>17,486,872</b>	<b>18,329,861</b>	<b>137,087</b>	<b>18,466,948</b>

UNCLASSIFIED

Page D-1

## UNCLASSIFIED

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

<u>Appropriation</u>	<u>FY 2014 (Base &amp; OCO)</u>	<u>FY 2015 Base Enacted</u>	<u>FY 2015 OCO Enacted</u>	<u>FY 2015 Total Enacted</u>	<u>FY 2016 Base</u>	<u>FY 2016 OCO</u>	<u>FY 2016 Total</u>
Chemical and Biological Defense Program	1,111,246	1,040,794	50,000	1,090,794	1,006,692		1,006,692
Defense Advanced Research Projects Agency	2,752,656	2,870,932	45,000	2,915,932	2,972,693		2,972,693
Defense Contract Management Agency	13,812	12,530		12,530	12,542		12,542
Defense Human Resources Activity	19,410	19,430		19,430	20,495		20,495
Defense Intelligence Agency							
Defense Information Systems Agency	237,192	215,982		215,982	219,155		219,155
Defense Logistics Agency	233,477	227,124		227,124	212,679		212,679
Defense Security Cooperative Agency	16,807	12,386		12,386	10,518		10,518
Defense Security Service	7,552	12,658		12,658	19,662		19,662
Defense Technical Information Center	56,024	50,789		50,789	51,775		51,775
Defense Threat Reduction Agency	501,382	487,802		487,802	491,661		491,661
Missile Defense Agency	5,706,734	5,647,845		5,647,845	6,190,381		6,190,381
National Geospatial Intelligence Agency							
National Security Agency							
Office of Secretary of Defense	2,399,427	2,619,089		2,619,089	2,686,665		2,686,665
U.S., Special Operations Command	368,662	483,801	11,200	495,001	538,445		538,445
The Joint Staff	125,016	150,372		150,372	84,796		84,796
Washington Headquarters Services	607	612		612	1,072		1,072
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>17,317,849</b>	<b>17,217,225</b>	<b>269,647</b>	<b>17,486,872</b>	<b>18,329,861</b>		<b>18,466,948</b>

UNCLASSIFIED

Page D-2

UNCLASSIFIED

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
1	0601000BR	DTRA Basic Research Initiative	01	44,783	37,778		37,778	38,436		38,436	U
2	0601101E	Defense Research Sciences	01	293,284	332,146		332,146	333,119		333,119	U
3	0601110D8Z	Basic Research Initiatives	01	11,682	44,500		44,500	42,022		42,022	U
4	0601117E	Basic Operational Medical Research Science	01	48,066	60,757		60,757	56,544		56,544	U
5	0601120D8Z	National Defense Education Program	01	72,866	58,405		58,405	49,453		49,453	U
6	0601228D8Z	Historically Black Colleges and Universities/Minority Institutions	01	33,883	34,412		34,412	25,834		25,834	U
7	0601384BP	Chemical and Biological Defense Program	01	50,738	48,261		48,261	46,261		46,261	U
		<b>Basic Research</b>		<b>555,302</b>	<b>616,259</b>		<b>616,259</b>	<b>591,669</b>		<b>591,669</b>	
8	0602000D8Z	Joint Munitions Technology	02	17,693	20,037		20,037	19,352		19,352	U
9	0602115E	Biomedical Technology	02	121,152	114,790	45,000	159,790	114,262		114,262	U
10	0602234D8Z	Lincoln Laboratory Research Program	02	40,469	47,807		47,807	51,026		51,026	U
11	0602251D8Z	Applied Research for the Advancement of S&T Priorities	02	33,543	41,905		41,905	48,226		48,226	U
12	0602303E	Information & Communications Technology	02	370,643	324,407		324,407	356,358		356,358	U
13	0602304E	Cognitive Computing Systems	02	15,847							U
14	0602383E	Biological Warfare Defense	02	25,648	43,780		43,780	29,265		29,265	U
15	0602384BP	Chemical and Biological Defense Program	02	195,160	226,317		226,317	208,111		208,111	U
16	0602668D8Z	Cyber Security Research	02	11,637	14,979		14,979	13,727		13,727	U
17	0602670D8Z	Human, Social and Culture Behavior Modeling (HSCB) Applied Research	02	2,000							U
18	0602702E	Tactical Technology	02	218,482	299,734		299,734	314,582		314,582	U

## UNCLASSIFIED

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
19	0602715E	Materials and Biological Technology	02	158,948	150,389		150,389	220,115		220,115	U
20	0602716E	Electronics Technology	02	222,287	169,203		169,203	174,798		174,798	U
21	0602718BR	Weapons of Mass Destruction Defeat Technologies	02	151,669	151,443		151,443	155,415		155,415	U
22	0602751D8Z	Software Engineering Institute (SEI) Applied Research	02	10,699	9,143		9,143	8,824		8,824	U
23	1160401BB	SOF Technology Development	02	27,560	36,750		36,750	37,517		37,517	U
		<b>Applied Research</b>		<b>1,623,437</b>	<b>1,650,684</b>	<b>45,000</b>	<b>1,695,684</b>	<b>1,751,578</b>		<b>1,751,578</b>	
24	0603000D8Z	Joint Munitions Advanced Technology	03	19,709	26,650		26,650	25,915		25,915	U
25	0603121D8Z	SO/LIC Advanced Development	03	17,212	8,670		8,670				U
26	0603122D8Z	Combating Terrorism Technology Support	03	98,197	94,541		94,541	71,171		71,171	U
27	0603133D8Z	Foreign Comparative Testing	03		22,000		22,000	21,782		21,782	U
28	0603160BR	Counterproliferation Initiatives - Proliferation Prevention and Defeat	03	282,719	291,694		291,694	290,654		290,654	U
29	0603175C	Ballistic Missile Defense Technology	03	10,372							U
30	0603176C	Advanced Concepts and Performance Assessment	03	6,919	8,470		8,470	12,139		12,139	U
31	0603177C	Discrimination Sensor Technology	03	29,642	36,610		36,610	28,200		28,200	U
32	0603178C	Weapons Technology	03	45,268	54,068		54,068	45,389		45,389	U
33	0603179C	Advanced C4ISR	03	35,421	13,284		13,284	9,876		9,876	U
34	0603180C	Advanced Research	03	23,025	16,584		16,584	17,364		17,364	U
35	0603225D8Z	Joint DoD-DoE Munitions Technology Development	03	18,595	19,308		19,308	18,802		18,802	U
36	0603264S	Agile Transportation for the 21st Century (AT21) - Theater Capability	03	3,754	2,544		2,544	2,679		2,679	U

UNCLASSIFIED

Page D-4

## UNCLASSIFIED

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Se c
37	0603274C	Special Program - MDA Technology	03	35,822	40,433		40,433	64,708		64,708	U
38	0603286E	Advanced Aerospace Systems	03	146,789	129,723		129,723	185,043		185,043	U
39	0603287E	Space Programs and Technology	03	127,948	179,883		179,883	126,692		126,692	U
40	0603288D8Z	Analytic Assessments	03		12,000		12,000	14,645		14,645	U
41	0603289D8Z	Advanced Innovative Analysis and Concepts	03		50,000		50,000	59,830		59,830	U
42	0603294C	Common Kill Vehicle Technology	03	67,796	25,639		25,639	46,753		46,753	U
43	0603384BP	Chemical and Biological Defense Program - Advanced Development	03	140,595	132,674	22,700	155,374	140,094		140,094	U
44	0603527D8Z	RETRACT LARCH	03					118,666		118,666	U
45	0603618D8Z	Joint Electronic Advanced Technology	03	8,772	10,949		10,949	43,966		43,966	U
46	0603648D8Z	Joint Capability Technology Demonstrations	03	153,770	119,790		119,790	141,540		141,540	U
47	0603662D8Z	Networked Communications Capabilities	03	5,075				6,980		6,980	U
48	0603668D8Z	Cyber Security Advanced Research	03	11,150							U
49	0603670D8Z	Human, Social and Culture Behavior Modeling (HSCB) Advanced Development	03	2,000							U
50	0603680D8Z	Defense-Wide Manufacturing Science and Technology Program	03	59,996	90,966		90,966	157,056		157,056	U
51	0603699D8Z	Emerging Capabilities Technology Development	03	52,535	33,658		33,658	33,515		33,515	U
52	0603712S	Generic Logistics R&D Technology Demonstrations	03	16,531	21,331		21,331	16,543		16,543	U
53	0603713S	Deployment and Distribution Enterprise Technology	03	30,009	29,683		29,683	29,888		29,888	U

UNCLASSIFIED

Page D-5

UNCLASSIFIED

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
54	0603716D8Z	Strategic Environmental Research Program	03	60,651	57,714		57,714	65,836		65,836	U
55	0603720S	Microelectronics Technology Development and Support	03	80,717	82,700		82,700	79,037		79,037	U
56	0603727D8Z	Joint Warfighting Program	03	3,325	5,396		5,396	9,626		9,626	U
57	0603739E	Advanced Electronics Technologies	03	92,001	92,246		92,246	79,021		79,021	U
58	0603760E	Command, Control and Communications Systems	03	229,510	239,265		239,265	201,335		201,335	U
59	0603766E	Network-Centric Warfare Technology	03	261,613	360,426		360,426	452,861		452,861	U
60	0603767E	Sensor Technology	03	268,754	302,821		302,821	257,127		257,127	U
61	0603769SE	Distributed Learning Advanced Technology Development	03	12,116	10,692		10,692	10,771		10,771	U
62	0603781D8Z	Software Engineering Institute	03	18,167	15,754		15,754	15,202		15,202	U
63	0603826D8Z	Quick Reaction Special Projects	03	69,508	59,235		59,235	90,500		90,500	U
64	0603828J	Joint Experimentation	03	12,067							U
65	0603832D8Z	DoD Modeling and Simulation Management Office	03	31,222	2,995		2,995				U
66	0603833D8Z	Engineering Science & Technology	03					18,377		18,377	U
67	0603941D8Z	Test & Evaluation Science & Technology	03	81,247	81,033		81,033	82,589		82,589	U
68	0604055D8Z	Operational Energy Capability Improvement	03	47,240	46,300		46,300	37,420		37,420	U
69	0303310D8Z	CWMD Systems	03	47,819	46,001		46,001	42,488		42,488	U
70	1160402BB	SOF Advanced Technology Development	03	44,496	51,622		51,622	57,741		57,741	U
<b>Advanced Technology Development</b>				<b>2,810,074</b>	<b>2,925,352</b>	<b>22,700</b>	<b>2,948,052</b>	<b>3,229,821</b>		<b>3,229,821</b>	

## UNCLASSIFIED

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
71	0603161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E ADC&P	04	46,889	41,014		41,014	31,710		31,710	U
72	0603527D8Z	RETRACT LARCH	04	18,625							U
73	0603600D8Z	WALKOFF	04	63,988	90,558		90,558	90,567		90,567	U
74	0603714D8Z	Advanced Sensors Application Program	04	19,190	19,490		19,490	15,900		15,900	U
75	0603851D8Z	Environmental Security Technical Certification Program	04	64,756	63,871		63,871	52,758		52,758	U
76	0603881C	Ballistic Missile Defense Terminal Defense Segment	04	251,899	163,892		163,892	228,021		228,021	U
77	0603882C	Ballistic Missile Defense Midcourse Defense Segment	04	1,064,445	873,923		873,923	1,284,891		1,284,891	U
78	0603884BP	Chemical and Biological Defense Program - Dem/Val	04	189,193	163,236	17,300	180,536	172,754		172,754	U
79	0603884C	Ballistic Missile Defense Sensors	04	340,391	270,901		270,901	233,588		233,588	U
80	0603890C	BMD Enabling Programs	04	368,965	401,971		401,971	409,088		409,088	U
81	0603891C	Special Programs - MDA	04	266,749	310,261		310,261	400,387		400,387	U
82	0603892C	AEGIS BMD	04	885,704	764,224		764,224	843,355		843,355	U
83	0603893C	Space Tracking & Surveillance System	04	41,618	31,331		31,331	31,632		31,632	U
84	0603895C	Ballistic Missile Defense System Space Programs	04	6,412	6,389		6,389	23,289		23,289	U
85	0603896C	Ballistic Missile Defense Command and Control, Battle Management and Communicati	04	390,207	428,277		428,277	450,085		450,085	U
86	0603898C	Ballistic Missile Defense Joint Warfighter Support	04	41,051	46,387		46,387	49,570		49,570	U
87	0603904C	Missile Defense Integration & Operations Center (MDIOC)	04	50,271	58,503		58,503	49,211		49,211	U

UNCLASSIFIED

Page D-7



## UNCLASSIFIED

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Se c
88	0603906C	Regarding Trench	04	14,525	16,199		16,199	9,583		9,583	U
89	0603907C	Sea Based X-Band Radar (SBX)	04	70,336	64,409		64,409	72,866		72,866	U
90	0603913C	Israeli Cooperative Programs	04	283,782	268,842		268,842	102,795		102,795	U
91	0603914C	Ballistic Missile Defense Test	04	342,695	366,302		366,302	274,323		274,323	U
92	0603915C	Ballistic Missile Defense Targets	04	501,170	455,068		455,068	513,256		513,256	U
93	0603920D8Z	Humanitarian Demining	04	11,395	10,180		10,180	10,129		10,129	U
94	0603923D8Z	Coalition Warfare	04	9,597	10,125		10,125	10,350		10,350	U
95	0604016D8Z	Department of Defense Corrosion Program	04	19,637	12,907		12,907	1,518		1,518	U
96	0604115C	Technology Maturation Initiatives	04					96,300		96,300	U
97	0604250D8Z	Advanced Innovative Technologies	04	125,811	174,752		174,752	469,798		469,798	U
98	0604400D8Z	Department of Defense (DoD) Unmanned Aircraft System (UAS) Common Development	04	7,977	7,791		7,791	3,129		3,129	U
99	0604445J	Wide Area Surveillance	04	25,955	53,000		53,000				U
100	0604670D8Z	Human, Social and Culture Behavior Modeling (HSCB) Research and Engineering	04	2,000							U
101	0604775D8Z	Defense Rapid Innovation Program	04	175,000	225,000		225,000				U
102	0604787J	Joint Systems Integration	04	5,714	7,002		7,002				U
103	0604826J	Joint C5 Capability Development, Integration and interoperability Assessments	04	3,834				25,200		25,200	U
104	0604828J	Joint FIRES Integration and Interoperability Team	04	6,405	7,102		7,102				U
105	0604873C	Long Range Discrimination Radar (LRDR)	04		50,500		50,500	137,564		137,564	U

UNCLASSIFIED

Page D-8

UNCLASSIFIED

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
106	0604874C	Improved Homeland Defense Interceptors	04		99,500		99,500	278,944		278,944	U
107	0604876C	Ballistic Missile Defense Terminal Defense Segment Test	04		111,366		111,366	26,225		26,225	U
108	0604878C	Aegis BMD Test	04		89,628		89,628	55,148		55,148	U
109	0604879C	Ballistic Missile Defense Sensor Test	04		71,309		71,309	86,764		86,764	U
110	0604880C	Land-Based SM-3 (LBSM3)	04	124,568	123,444		123,444	34,970		34,970	U
111	0604881C	AEGIS SM-3 Block IIA Co-Development	04	297,169	263,695		263,695	172,645		172,645	U
112	0604887C	Ballistic Missile Defense Midcourse Segment Test	04		79,877		79,877	64,618		64,618	U
113	0605170D8Z	Support to Networks and Information Integration	04		12,482		12,482				U
114	0303191D8Z	Joint Electromagnetic Technology (JET) Program	04	3,150	2,651		2,651	2,660		2,660	U
115	0305103C	Cyber Security Initiative	04	912	961		961	963		963	U
		<b>Advanced Component Development And Prototypes</b>		<b>6,141,985</b>	<b>6,318,320</b>	<b>17,300</b>	<b>6,335,620</b>	<b>6,816,554</b>		<b>6,816,554</b>	
116	0604161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E SDD	05	7,859	7,925		7,925	8,800		8,800	U
117	0604165D8Z	Prompt Global Strike Capability Development	05	63,491	95,626		95,626	78,817		78,817	U
118	0604384BP	Chemical and Biological Defense Program - EMD	05	415,467	335,883	10,000	345,883	303,647		303,647	U
119	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	05	29,015	25,429		25,429	23,424		23,424	U
120	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	05	16,938	17,537		17,537	14,285		14,285	U

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
121	0605000BR	Weapons of Mass Destruction Defeat Capabilities	05	12,511	6,887		6,887	7,156		7,156	U
122	0605013BL	Information Technology Development	05	13,812	12,530		12,530	12,542		12,542	U
123	0605021SE	Homeland Personnel Security Initiative	05	386	286		286	191		191	U
124	0605022D8Z	Defense Exportability Program	05	3,640	3,238		3,238	3,273		3,273	U
125	0605027D8Z	OUSD(C) IT Development Initiatives	05	6,599	6,500		6,500	5,962		5,962	U
126	0605070S	DOD Enterprise Systems Development and Demonstration	05	25,217	15,326		15,326	13,412		13,412	U
127	0605075D8Z	DCMO Policy and Integration	05	19,318	19,324		19,324	2,223		2,223	U
128	0605080S	Defense Agency Initiatives (DAI) - Financial System	05	44,260	41,465		41,465	31,660		31,660	U
129	0605090S	Defense Retired and Annuitant Pay System (DRAS)	05		10,135		10,135	13,085		13,085	U
130	0605210D8Z	Defense-Wide Electronic Procurement Capabilities	05	5,659	9,546		9,546	7,209		7,209	U
131	0303141K	Global Combat Support System	05	11,514	14,241		14,241	15,158		15,158	U
132	0305304D8Z	DoD Enterprise Energy Information Management (EEIM)	05	3,482	3,660		3,660	4,414		4,414	U
		<b>System Development And Demonstration</b>		<b>679,168</b>	<b>625,538</b>	<b>10,000</b>	<b>635,538</b>	<b>545,258</b>		<b>545,258</b>	
133	0604774D8Z	Defense Readiness Reporting System (DRRS)	06	6,353	5,607		5,607	5,581		5,581	U
134	0604875D8Z	Joint Systems Architecture Development	06	2,389	3,087		3,087	3,081		3,081	U
135	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	06	175,908	239,163		239,163	229,125		229,125	U
136	0604942D8Z	Assessments and Evaluations	06	2,051	15,639		15,639	28,674		28,674	U

## UNCLASSIFIED

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	S e c
137	0604943D8Z	Thermal Vicar	06	8,099							U
138	0605100D8Z	Joint Mission Environment Test Capability (JMETC)	06	27,491	27,124		27,124	45,235		45,235	U
139	0605104D8Z	Technical Studies, Support and Analysis	06	21,200	24,466		24,466	24,936		24,936	U
140	0605117D8Z	Foreign Materiel Acquisition and Exploitation	06	46,911	46,781		46,781				U
141	0605126J	Joint Integrated Air and Missile Defense Organization (JIAMDO)	06	37,314	43,176		43,176	35,471		35,471	U
142	0605128D8Z	Classified Program USD(P)	06	99,957	100,000		100,000				U
143	0605130D8Z	Foreign Comparative Testing	06	11,877							U
144	0605142D8Z	Systems Engineering	06	38,205	44,683		44,683	37,655		37,655	U
145	0605151D8Z	Studies and Analysis Support - OSD	06	5,806	2,660		2,660	3,015		3,015	U
146	0605161D8Z	Nuclear Matters-Physical Security	06	4,816	4,359		4,359	5,287		5,287	U
147	0605170D8Z	Support to Networks and Information Integration	06	6,090	27,861		27,861	5,289		5,289	U
148	0605200D8Z	General Support to USD (Intelligence)	06	6,466	2,850		2,850	2,120		2,120	U
149	0605384BP	Chemical and Biological Defense Program	06	92,265	105,927		105,927	102,264		102,264	U
150	0605502BP	Small Business Innovative Research - Chemical Biological Def	06	14,955							U
151	0605502BR	Small Business Innovation Research	06	9,700							U
152	0605502C	Small Business Innovation Research - MDA	06	74,888							U
153	0605502D8Z	Small Business Innovative Research	06	55,640							U
154	0605502E	Small Business Innovative Research	06	80,025							U

UNCLASSIFIED

Page D-11

## UNCLASSIFIED

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
155	0605502J	Small Business Innovative Research	06	2,177							U
156	0605502KA	Small Business Innovative Research	06		400		400				U
157	0605502S	Small Business Innovative Research	06	5,829							U
158	0605790D8Z	Small Business Innovation Research (SBIR)/ Small Business Technology Transfer	06	1,790	1,631		1,631	2,169		2,169	U
159	0605798D8Z	Defense Technology Analysis	06	9,393	22,074		22,074	13,960		13,960	U
160	0605801KA	Defense Technical Information Center (DTIC)	06	56,024	50,389		50,389	51,775		51,775	U
161	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	06	6,908	8,452		8,452	9,533		9,533	U
162	0605804D8Z	Development Test and Evaluation	06	18,698	19,160		19,160	17,371		17,371	U
163	0605898E	Management HQ - R&D	06	71,659	71,362		71,362	71,571		71,571	U
164	0606100D8Z	Budget and Program Assessments	06	4,005	4,093		4,093	4,123		4,123	U
165	0203345D8Z	Defense Operations Security Initiative (DOSI)	06	5,161	1,952		1,952	1,946		1,946	U
166	0204571J	Joint Staff Analytical Support	06	5,591	10,321		10,321	7,673		7,673	U
169	0303166J	Support to Information Operations (IO) Capabilities	06	8,348	11,552		11,552	10,413		10,413	U
170	0303260D8Z	Defense Military Deception Program Office (DMDPO)	06					971		971	U
171	0305193D8Z	Cyber Intelligence	06	7,586	6,738		6,738	6,579		6,579	U
173	0804767D8Z	COCOM Exercise Engagement and Training Transformation (CE2T2) - MHA	06	38,245	38,950		38,950	43,811		43,811	U
174	0901598C	Management HQ - MDA	06	34,712	35,598		35,598	35,871		35,871	U
175	0901598D8W	Management Headquarters WHS	06	607	612		612				U

UNCLASSIFIED

Page D-12

UNCLASSIFIED

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
176	0903230D8W	WHS - Mission Operations Support - IT	06					1,072		1,072	U
177	0909999D8Z	Financing for Cancelled Account Adjustments	06	941							U
9999	99999999999	Classified Programs		54,842	44,346		44,346	49,500		49,500	U
		<b>Management Support</b>		<b>1,160,922</b>	<b>1,021,013</b>		<b>1,021,013</b>	<b>856,071</b>		<b>856,071</b>	
178	0604130V	Enterprise Security System (ESS)	07	7,552	3,988		3,988	7,929		7,929	U
179	0605127T	Regional International Outreach (RIO) and Partnership for Peace Information Mana	07	3,270	1,750		1,750	1,750		1,750	U
180	0605147T	Overseas Humanitarian Assistance Shared Information System (OHASIS)	07	287	286		286	294		294	U
181	0607210D8Z	Industrial Base Analysis and Sustainment Support	07	9,638	14,756		14,756	22,576		22,576	U
182	0607310D8Z	CWMD Systems: Operational Systems Development	07	1,872	2,948		2,948	1,901		1,901	U
183	0607327T	Global Theater Security Cooperation Management Information Systems (G-TSCMIS)	07	13,250	10,350		10,350	8,474		8,474	U
184	0607384BP	Chemical and Biological Defense (Operational Systems Development)	07	12,873	28,496		28,496	33,561		33,561	U
185	0607828J	Joint Integration and Interoperability	07	11,847	11,968		11,968				U
186	0208043J	Planning and Decision Aid System (PDAS)	07	2,838	1,842		1,842	3,061		3,061	U
187	0208045K	C4I Interoperability	07	67,027	63,558		63,558	64,921		64,921	U
189	0301144K	Joint/Allied Coalition Information Sharing	07	6,524	3,931		3,931	3,645		3,645	U

## UNCLASSIFIED

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
193	0302016K	National Military Command System-Wide Support	07	501	924		924	963		963	U
194	0302019K	Defense Info Infrastructure Engineering and Integration	07	11,031	9,612		9,612	10,186		10,186	U
195	0303126K	Long-Haul Communications - DCS	07	45,536	25,325		25,325	36,883		36,883	U
196	0303131K	Minimum Essential Emergency Communications Network (MEECN)	07	14,782	12,671		12,671	13,735		13,735	U
197	0303135G	Public Key Infrastructure (PKI)	07	1,060	222		222	6,101		6,101	U
198	0303136G	Key Management Infrastructure (KMI)	07	33,279	32,698		32,698	43,867		43,867	U
199	0303140D8Z	Information Systems Security Program	07	10,313	11,288		11,288	8,957		8,957	U
200	0303140G	Information Systems Security Program	07	181,567	138,854		138,854	146,890		146,890	U
201	0303150K	Global Command and Control System	07	27,814	33,793		33,793	21,503		21,503	U
202	0303153K	Defense Spectrum Organization	07	8,050	13,393		13,393	20,342		20,342	U
203	0303170K	Net-Centric Enterprise Services (NCES)	07	3,259	3,774		3,774	444		444	U
204	0303260D8Z	Defense Military Deception Program Office (DMDPO)	07	1,144	949		949				U
205	0303610K	Teleport Program	07	5,147	2,697		2,697	1,736		1,736	U
206	0304210BB	Special Applications for Contingencies	07	15,150	15,794		15,794	65,060		65,060	U
210	0305103K	Cyber Security Initiative	07	3,644	3,234		3,234	2,976		2,976	U
211	0305125D8Z	Critical Infrastructure Protection (CIP)	07	9,711	8,834		8,834				U
215	0305186D8Z	Policy R&D Programs	07	3,332	7,055		7,055	4,182		4,182	U
216	0305199D8Z	Net Centricity	07	16,005	23,950		23,950	18,130		18,130	U

UNCLASSIFIED

Page D-14

## UNCLASSIFIED

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	S e c
218	0305208BB	Distributed Common Ground/Surface Systems	07	5,195	5,286		5,286	5,302		5,302	U
221	0305208K	Distributed Common Ground/Surface Systems	07	3,348	3,400		3,400	3,239		3,239	U
223	0305219BB	MQ-1 Predator A UAV	07	641							U
225	0305327V	Insider Threat	07		8,670		8,670	11,733		11,733	U
226	0305387D8Z	Homeland Defense Technology Transfer Program	07	2,308	2,106		2,106	2,119		2,119	U
227	0305600D8Z	International Intelligence Technology and Architectures	07	4,363							U
232	0305889G	Counterdrug Intelligence Support	07	1,004							U
234	0708011S	Industrial Preparedness	07	21,678	22,366		22,366	24,605		24,605	U
235	0708012S	Logistics Support Activities	07	5,482	1,574		1,574	1,770		1,770	U
236	0902298J	Management HQ - OJCS	07	2,926	4,409		4,409	2,978		2,978	U
237	1105219BB	MQ-9 UAV	07	13,272	9,702	5,200	14,902	18,151		18,151	U
238	1105232BB	RQ-11 UAV	07		259		259	758		758	U
239	1160279BB	Small Business Innovative Research/ Small Bus Tech Transfer Pilot Prog	07	10,446							U
240	1160403BB	Aviation Systems	07	131,119	158,733		158,733	173,934		173,934	U
241	1160405BB	Intelligence Systems Development	07	7,705	9,490		9,490	6,866		6,866	U
242	1160408BB	Operational Enhancements	07	42,492	75,253	6,000	81,253	63,008		63,008	U
243	1160431BB	Warrior Systems	07	15,692	20,573		20,573	25,342		25,342	U
244	1160432BB	Special Programs	07	7,185	20,908		20,908	3,401		3,401	U
245	1160480BB	SOF Tactical Vehicles	07	2,135	3,672		3,672	3,212		3,212	U
246	1160483BB	Maritime Systems	07	28,724	56,746		56,746	63,597		63,597	U

UNCLASSIFIED

Page D-15



UNCLASSIFIED

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
247	1160489BB	Global Video Surveillance Activities	07	3,304	3,788		3,788	3,933		3,933	U
248	1160490BB	Operational Enhancements Intelligence	07	13,546	15,225		15,225	10,623		10,623	U
9999	99999999999	Classified Programs		3,496,093	3,148,959	163,447	3,312,406	3,564,272	137,087	3,701,359	U
		Operational System Development		4,346,961	4,060,059	174,647	4,234,706	4,538,910	137,087	4,675,997	
<b>Total Research, Development, Test &amp; Eval, DW</b>				<b>17,317,849</b>	<b>17,217,225</b>	<b>269,647</b>	<b>17,486,872</b>	<b>18,329,861</b>	<b>137,087</b>	<b>18,466,948</b>	

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

<u>Summary Recap of Budget Activities</u>	<u>FY 2014</u> <u>(Base &amp; OCO)</u>	<u>FY 2015</u> <u>Base Enacted</u>	<u>FY 2015</u> <u>OCO Enacted</u>	<u>FY 2015</u> <u>Total Enacted</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>
Management Support	246,091	208,711		208,711	170,558		170,558
Total Research, Development, Test & Evaluation	246,091	208,711		208,711	170,558		170,558
 <u>Summary Recap of FYDP Programs</u>							
Research and Development	246,091	208,711		208,711	170,558		170,558
Total Research, Development, Test & Evaluation	246,091	208,711		208,711	170,558		170,558

Defense-Wide  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

## Appropriation: 0460D Operational Test &amp; Eval, Defense

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Se c
1	06051180	TE Operational Test and Evaluation	06	75,720	93,223		93,223	76,838		76,838	U
2	06051310	TE Live Fire Test and Evaluation	06	48,423	45,142		45,142	46,882		46,882	U
3	06058140	TE Operational Test Activities and Analyses	06	121,948	70,346		70,346	46,838		46,838	U
		<b>Management Support</b>		<b>246,091</b>	<b>208,711</b>		<b>208,711</b>	<b>170,558</b>		<b>170,558</b>	
<b>Total Operational Test &amp; Eval, Defense</b>				<b>246,091</b>	<b>208,711</b>		<b>208,711</b>	<b>170,558</b>		<b>170,558</b>	

UNCLASSIFIED

Chemical and Biological Defense Program  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
7	0601384BP	Chemical and Biological Defense Program	01	50,738	48,261		48,261	46,261		46,261	U
		<b>Basic Research</b>		<b>50,738</b>	<b>48,261</b>		<b>48,261</b>	<b>46,261</b>		<b>46,261</b>	
15	0602384BP	Chemical and Biological Defense Program	02	195,160	226,317		226,317	208,111		208,111	U
		<b>Applied Research</b>		<b>195,160</b>	<b>226,317</b>		<b>226,317</b>	<b>208,111</b>		<b>208,111</b>	
43	0603384BP	Chemical and Biological Defense Program - Advanced Development	03	140,595	132,674	22,700	155,374	140,094		140,094	U
		<b>Advanced Technology Development</b>		<b>140,595</b>	<b>132,674</b>	<b>22,700</b>	<b>155,374</b>	<b>140,094</b>		<b>140,094</b>	
78	0603884BP	Chemical and Biological Defense Program - Dem/Val	04	189,193	163,236	17,300	180,536	172,754		172,754	U
		<b>Advanced Component Development And Prototypes</b>		<b>189,193</b>	<b>163,236</b>	<b>17,300</b>	<b>180,536</b>	<b>172,754</b>		<b>172,754</b>	
118	0604384BP	Chemical and Biological Defense Program - EMD	05	415,467	335,883	10,000	345,883	303,647		303,647	U
		<b>System Development And Demonstration</b>		<b>415,467</b>	<b>335,883</b>	<b>10,000</b>	<b>345,883</b>	<b>303,647</b>		<b>303,647</b>	
149	0605384BP	Chemical and Biological Defense Program	06	92,265	105,927		105,927	102,264		102,264	U
		<b>Management Support</b>		<b>107,220</b>	<b>105,927</b>		<b>105,927</b>	<b>102,264</b>		<b>102,264</b>	
150	0605502BP	Small Business Innovative Research - Chemical Biological Def	06	14,955							U
		<b>Operational System Development</b>		<b>12,873</b>	<b>28,496</b>		<b>28,496</b>	<b>33,561</b>		<b>33,561</b>	
184	0607384BP	Chemical and Biological Defense (Operational Systems Development)	07	12,873	28,496		28,496	33,561		33,561	U
		<b>Operational System Development</b>		<b>12,873</b>	<b>28,496</b>		<b>28,496</b>	<b>33,561</b>		<b>33,561</b>	
<b>Total Chemical and Biological Defense Program</b>				<b>1,111,246</b>	<b>1,040,794</b>	<b>50,000</b>	<b>1,090,794</b>	<b>1,006,692</b>		<b>1,006,692</b>	

Defense Advanced Research Projects Agency  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	S e c
2	0601101E	Defense Research Sciences	01	293,284	332,146		332,146	333,119		333,119	U
4	0601117E	Basic Operational Medical Research Science	01	48,066	60,757		60,757	56,544		56,544	U
<b>Basic Research</b>				<b>341,350</b>	<b>392,903</b>		<b>392,903</b>	<b>389,663</b>		<b>389,663</b>	
9	0602115E	Biomedical Technology	02	121,152	114,790	45,000	159,790	114,262		114,262	U
12	0602303E	Information & Communications Technology	02	370,643	324,407		324,407	356,358		356,358	U
13	0602304E	Cognitive Computing Systems	02	15,847							U
14	0602383E	Biological Warfare Defense	02	25,648	43,780		43,780	29,265		29,265	U
18	0602702E	Tactical Technology	02	218,482	299,734		299,734	314,582		314,582	U
19	0602715E	Materials and Biological Technology	02	158,948	150,389		150,389	220,115		220,115	U
20	0602716E	Electronics Technology	02	222,287	169,203		169,203	174,798		174,798	U
<b>Applied Research</b>				<b>1,133,007</b>	<b>1,102,303</b>	<b>45,000</b>	<b>1,147,303</b>	<b>1,209,380</b>		<b>1,209,380</b>	
38	0603286E	Advanced Aerospace Systems	03	146,789	129,723		129,723	185,043		185,043	U
39	0603287E	Space Programs and Technology	03	127,948	179,883		179,883	126,692		126,692	U
57	0603739E	Advanced Electronics Technologies	03	92,001	92,246		92,246	79,021		79,021	U
58	0603760E	Command, Control and Communications Systems	03	229,510	239,265		239,265	201,335		201,335	U
59	0603766E	Network-Centric Warfare Technology	03	261,613	360,426		360,426	452,861		452,861	U
60	0603767E	Sensor Technology	03	268,754	302,821		302,821	257,127		257,127	U
<b>Advanced Technology Development</b>				<b>1,126,615</b>	<b>1,304,364</b>		<b>1,304,364</b>	<b>1,302,079</b>		<b>1,302,079</b>	
154	0605502E	Small Business Innovative Research	06	80,025							U
163	0605898E	Management HQ - R&D	06	71,659	71,362		71,362	71,571		71,571	U
<b>Management Support</b>				<b>151,684</b>	<b>71,362</b>		<b>71,362</b>	<b>71,571</b>		<b>71,571</b>	

UNCLASSIFIED

Defense Advanced Research Projects Agency  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Element Number	Program Item	FY 2014 Act	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Seal
Total Defense Advanced Research Projects Agency			2,752,656	2,870,932	45,000	2,915,932	2,972,693		2,972,693	

UNCLASSIFIED

Defense Contract Management Agency  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Se c
122	0605013BL	Information Technology Development	05	13,812	12,530		12,530	12,542		12,542	U
		System Development And Demonstration		13,812	12,530		12,530	12,542		12,542	
<b>Total Defense Contract Management Agency</b>				<b>13,812</b>	<b>12,530</b>		<b>12,530</b>	<b>12,542</b>		<b>12,542</b>	

UNCLASSIFIED

Defense Human Resources Activity  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
61	0603769SE	Distributed Learning Advanced Technology Development	03	12,116	10,692		10,692	10,771		10,771	U
		<b>Advanced Technology Development</b>		<b>12,116</b>	<b>10,692</b>		<b>10,692</b>	<b>10,771</b>		<b>10,771</b>	
123	0605021SE	Homeland Personnel Security Initiative	05	386	286		286	191		191	U
		<b>System Development And Demonstration</b>		<b>386</b>	<b>286</b>		<b>286</b>	<b>191</b>		<b>191</b>	
161	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	06	6,908	8,452		8,452	9,533		9,533	U
		<b>Management Support</b>		<b>6,908</b>	<b>8,452</b>		<b>8,452</b>	<b>9,533</b>		<b>9,533</b>	
<b>Total Defense Human Resources Activity</b>				<b>19,410</b>	<b>19,430</b>		<b>19,430</b>	<b>20,495</b>		<b>20,495</b>	



UNCLASSIFIED

Defense Information Systems Agency  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
119	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	05	29,015	25,429		25,429	23,424		23,424	U
131	0303141K	Global Combat Support System	05	11,514	14,241		14,241	15,158		15,158	U
<b>System Development And Demonstration</b>				<b>40,529</b>	<b>39,670</b>		<b>39,670</b>	<b>38,582</b>		<b>38,582</b>	
187	0208045K	C4I Interoperability	07	67,027	63,558		63,558	64,921		64,921	U
189	0301144K	Joint/Allied Coalition Information Sharing	07	6,524	3,931		3,931	3,645		3,645	U
193	0302016K	National Military Command System-Wide Support	07	501	924		924	963		963	U
194	0302019K	Defense Info Infrastructure Engineering and Integration	07	11,031	9,612		9,612	10,186		10,186	U
195	0303126K	Long-Haul Communications - DCS	07	45,536	25,325		25,325	36,883		36,883	U
196	0303131K	Minimum Essential Emergency Communications Network (MEECN)	07	14,782	12,671		12,671	13,735		13,735	U
201	0303150K	Global Command and Control System	07	27,814	33,793		33,793	21,503		21,503	U
202	0303153K	Defense Spectrum Organization	07	8,050	13,393		13,393	20,342		20,342	U
203	0303170K	Net-Centric Enterprise Services (NCES)	07	3,259	3,774		3,774	444		444	U
205	0303610K	Teleport Program	07	5,147	2,697		2,697	1,736		1,736	U
210	0305103K	Cyber Security Initiative	07	3,644	3,234		3,234	2,976		2,976	U
221	0305208K	Distributed Common Ground/Surface Systems	07	3,348	3,400		3,400	3,239		3,239	U
<b>Operational System Development</b>				<b>196,663</b>	<b>176,312</b>		<b>176,312</b>	<b>180,573</b>		<b>180,573</b>	
<b>Total Defense Information Systems Agency</b>				<b>237,192</b>	<b>215,982</b>		<b>215,982</b>	<b>219,155</b>		<b>219,155</b>	

UNCLASSIFIED

Defense Logistics Agency  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
36	0603264S	Agile Transportation for the 21st Century (AT21) - Theater Capability	03	3,754	2,544		2,544	2,679		2,679	U
52	0603712S	Generic Logistics R&D Technology Demonstrations	03	16,531	21,331		21,331	16,543		16,543	U
53	0603713S	Deployment and Distribution Enterprise Technology	03	30,009	29,683		29,683	29,888		29,888	U
55	0603720S	Microelectronics Technology Development and Support	03	80,717	82,700		82,700	79,037		79,037	U
<b>Advanced Technology Development</b>				<b>131,011</b>	<b>136,258</b>		<b>136,258</b>	<b>128,147</b>		<b>128,147</b>	
126	0605070S	DOD Enterprise Systems Development and Demonstration	05	25,217	15,326		15,326	13,412		13,412	U
128	0605080S	Defense Agency Initiatives (DAI) - Financial System	05	44,260	41,465		41,465	31,660		31,660	U
129	0605090S	Defense Retired and Annuitant Pay System (DRAS)	05		10,135		10,135	13,085		13,085	U
<b>System Development And Demonstration</b>				<b>69,477</b>	<b>66,926</b>		<b>66,926</b>	<b>58,157</b>		<b>58,157</b>	
157	0605502S	Small Business Innovative Research	06	5,829							U
<b>Management Support</b>				<b>5,829</b>							
234	0708011S	Industrial Preparedness	07	21,678	22,366		22,366	24,605		24,605	U
235	0708012S	Logistics Support Activities	07	5,482	1,574		1,574	1,770		1,770	U
<b>Operational System Development</b>				<b>27,160</b>	<b>23,940</b>		<b>23,940</b>	<b>26,375</b>		<b>26,375</b>	
<b>Total Defense Logistics Agency</b>				<b>233,477</b>	<b>227,124</b>		<b>227,124</b>	<b>212,679</b>		<b>212,679</b>	

UNCLASSIFIED

Defense Security Cooperative Agency  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Se c
179	0605127T	Regional International Outreach (RIO) and Partnership for Peace Information Mana	07	3,270	1,750		1,750	1,750		1,750	U
180	0605147T	Overseas Humanitarian Assistance Shared Information System (OHASIS)	07	287	286		286	294		294	U
183	0607327T	Global Theater Security Cooperation Management Information Systems (G-TSCMIS)	07	13,250	10,350		10,350	8,474		8,474	U
<b>Operational System Development</b>				<b>16,807</b>	<b>12,386</b>		<b>12,386</b>	<b>10,518</b>		<b>10,518</b>	
<b>Total Defense Security Cooperative Agency</b>				<b>16,807</b>	<b>12,386</b>		<b>12,386</b>	<b>10,518</b>		<b>10,518</b>	

UNCLASSIFIED

Defense Security Service  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
178	0604130V	Enterprise Security System (ESS)	07	7,552	3,988		3,988	7,929		7,929	U
225	0305327V	Insider Threat	07		8,670		8,670	11,733		11,733	U
		<b>Operational System Development</b>		<b>7,552</b>	<b>12,658</b>		<b>12,658</b>	<b>19,662</b>		<b>19,662</b>	
<b>Total Defense Security Service</b>				<b>7,552</b>	<b>12,658</b>		<b>12,658</b>	<b>19,662</b>		<b>19,662</b>	

UNCLASSIFIED

Defense Technical Information Center  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
156	0605502KA	Small Business Innovative Research	06		400		400				U
160	0605801KA	Defense Technical Information Center (DTIC)	06	56,024	50,389		50,389	51,775		51,775	U
		<b>Management Support</b>		56,024	50,789		50,789	51,775		51,775	
<b>Total Defense Technical Information Center</b>				56,024	50,789		50,789	51,775		51,775	

UNCLASSIFIED

Defense Threat Reduction Agency  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
1	0601000BR	DTRA Basic Research Initiative	01	44,783	37,778		37,778	38,436		38,436	U
<b>Basic Research</b>				<b>44,783</b>	<b>37,778</b>		<b>37,778</b>	<b>38,436</b>		<b>38,436</b>	
21	0602718BR	Weapons of Mass Destruction Defeat Technologies	02	151,669	151,443		151,443	155,415		155,415	U
<b>Applied Research</b>				<b>151,669</b>	<b>151,443</b>		<b>151,443</b>	<b>155,415</b>		<b>155,415</b>	
28	0603160BR	Counterproliferation Initiatives - Proliferation Prevention and Defeat	03	282,719	291,694		291,694	290,654		290,654	U
<b>Advanced Technology Development</b>				<b>282,719</b>	<b>291,694</b>		<b>291,694</b>	<b>290,654</b>		<b>290,654</b>	
121	0605000BR	Weapons of Mass Destruction Defeat Capabilities	05	12,511	6,887		6,887	7,156		7,156	U
<b>System Development And Demonstration</b>				<b>12,511</b>	<b>6,887</b>		<b>6,887</b>	<b>7,156</b>		<b>7,156</b>	
151	0605502BR	Small Business Innovation Research	06	9,700							U
<b>Management Support</b>				<b>9,700</b>							
<b>Total Defense Threat Reduction Agency</b>				<b>501,382</b>	<b>487,802</b>		<b>487,802</b>	<b>491,661</b>		<b>491,661</b>	

UNCLASSIFIED

Missile Defense Agency  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
29	0603175C	Ballistic Missile Defense Technology	03	10,372							U
30	0603176C	Advanced Concepts and Performance Assessment	03	6,919	8,470		8,470	12,139		12,139	U
31	0603177C	Discrimination Sensor Technology	03	29,642	36,610		36,610	28,200		28,200	U
32	0603178C	Weapons Technology	03	45,268	54,068		54,068	45,389		45,389	U
33	0603179C	Advanced C4ISR	03	35,421	13,284		13,284	9,876		9,876	U
34	0603180C	Advanced Research	03	23,025	16,584		16,584	17,364		17,364	U
37	0603274C	Special Program - MDA Technology	03	35,822	40,433		40,433	64,708		64,708	U
42	0603294C	Common Kill Vehicle Technology	03	67,796	25,639		25,639	46,753		46,753	U
<b>Advanced Technology Development</b>				<b>254,265</b>	<b>195,088</b>		<b>195,088</b>	<b>224,429</b>		<b>224,429</b>	
76	0603881C	Ballistic Missile Defense Terminal Defense Segment	04	251,899	163,892		163,892	228,021		228,021	U
77	0603882C	Ballistic Missile Defense Midcourse Defense Segment	04	1,064,445	873,923		873,923	1,284,891		1,284,891	U
79	0603884C	Ballistic Missile Defense Sensors	04	340,391	270,901		270,901	233,588		233,588	U
80	0603890C	BMD Enabling Programs	04	368,965	401,971		401,971	409,088		409,088	U
81	0603891C	Special Programs - MDA	04	266,749	310,261		310,261	400,387		400,387	U
82	0603892C	AEGIS BMD	04	885,704	764,224		764,224	843,355		843,355	U
83	0603893C	Space Tracking & Surveillance System	04	41,618	31,331		31,331	31,632		31,632	U
84	0603895C	Ballistic Missile Defense System Space Programs	04	6,412	6,389		6,389	23,289		23,289	U
85	0603896C	Ballistic Missile Defense Command and Control, Battle Management and Communicati	04	390,207	428,277		428,277	450,085		450,085	U
86	0603898C	Ballistic Missile Defense Joint Warfighter Support	04	41,051	46,387		46,387	49,570		49,570	U

## UNCLASSIFIED

Missile Defense Agency  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
87	0603904C	Missile Defense Integration & Operations Center (MDIOC)	04	50,271	58,503		58,503	49,211		49,211	U
88	0603906C	Regarding Trench	04	14,525	16,199		16,199	9,583		9,583	U
89	0603907C	Sea Based X-Band Radar (SBX)	04	70,336	64,409		64,409	72,866		72,866	U
90	0603913C	Israeli Cooperative Programs	04	283,782	268,842		268,842	102,795		102,795	U
91	0603914C	Ballistic Missile Defense Test	04	342,695	366,302		366,302	274,323		274,323	U
92	0603915C	Ballistic Missile Defense Targets	04	501,170	455,068		455,068	513,256		513,256	U
96	0604115C	Technology Maturation Initiatives	04					96,300		96,300	U
105	0604873C	Long Range Discrimination Radar (LRDR)	04		50,500		50,500	137,564		137,564	U
106	0604874C	Improved Homeland Defense Interceptors	04		99,500		99,500	278,944		278,944	U
107	0604876C	Ballistic Missile Defense Terminal Defense Segment Test	04		111,366		111,366	26,225		26,225	U
108	0604878C	Aegis BMD Test	04		89,628		89,628	55,148		55,148	U
109	0604879C	Ballistic Missile Defense Sensor Test	04		71,309		71,309	86,764		86,764	U
110	0604880C	Land-Based SM-3 (LBSM3)	04	124,568	123,444		123,444	34,970		34,970	U
111	0604881C	AEGIS SM-3 Block IIA Co-Development	04	297,169	263,695		263,695	172,645		172,645	U
112	0604887C	Ballistic Missile Defense Midcourse Segment Test	04		79,877		79,877	64,618		64,618	U
115	0305103C	Cyber Security Initiative	04	912	961		961	963		963	U
<b>Advanced Component Development And Prototypes</b>				<b>5,342,869</b>	<b>5,417,159</b>		<b>5,417,159</b>	<b>5,930,081</b>		<b>5,930,081</b>	
152	0605502C	Small Business Innovation Research - MDA	06	74,888							U
174	0901598C	Management HQ - MDA	06	34,712	35,598		35,598	35,871		35,871	U

UNCLASSIFIED

Page D-31



UNCLASSIFIED

Missile Defense Agency  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Element Number	Program Item	FY 2014 Act	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Se-c
		Management Support	109,600	35,598		35,598	35,871		35,871	
Total Missile Defense Agency			5,706,734	5,647,845		5,647,845	6,190,381		6,190,381	

UNCLASSIFIED

National Security Agency  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Se c
197	0303135G	Public Key Infrastructure (PKI)	07	1,060	222		222	6,101		6,101	U
198	0303136G	Key Management Infrastructure (KMI)	07	33,279	32,698		32,698	43,867		43,867	U
200	0303140G	Information Systems Security Program	07	181,567	138,854		138,854	146,890		146,890	U
232	0305889G	Counterdrug Intelligence Support	07	1,004							U
		Operational System Development									
Total National Security Agency											

UNCLASSIFIED

Office of Secretary of Defense  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
3	0601110D8Z	Basic Research Initiatives	01	11,682	44,500		44,500	42,022		42,022	U
5	0601120D8Z	National Defense Education Program	01	72,866	58,405		58,405	49,453		49,453	U
6	0601228D8Z	Historically Black Colleges and Universities/Minority Institutions	01	33,883	34,412		34,412	25,834		25,834	U
<b>Basic Research</b>				<b>118,431</b>	<b>137,317</b>		<b>137,317</b>	<b>117,309</b>		<b>117,309</b>	
8	0602000D8Z	Joint Munitions Technology	02	17,693	20,037		20,037	19,352		19,352	U
10	0602234D8Z	Lincoln Laboratory Research Program	02	40,469	47,807		47,807	51,026		51,026	U
11	0602251D8Z	Applied Research for the Advancement of S&T Priorities	02	33,543	41,905		41,905	48,226		48,226	U
16	0602668D8Z	Cyber Security Research	02	11,637	14,979		14,979	13,727		13,727	U
17	0602670D8Z	Human, Social and Culture Behavior Modeling (HSCB) Applied Research	02	2,000							U
22	0602751D8Z	Software Engineering Institute (SEI) Applied Research	02	10,699	9,143		9,143	8,824		8,824	U
<b>Applied Research</b>				<b>116,041</b>	<b>133,871</b>		<b>133,871</b>	<b>141,155</b>		<b>141,155</b>	
24	0603000D8Z	Joint Munitions Advanced Technology	03	19,709	26,650		26,650	25,915		25,915	U
25	0603121D8Z	SO/LIC Advanced Development	03	17,212	8,670		8,670				U
26	0603122D8Z	Combating Terrorism Technology Support	03	98,197	94,541		94,541	71,171		71,171	U
27	0603133D8Z	Foreign Comparative Testing	03		22,000		22,000	21,782		21,782	U
35	0603225D8Z	Joint DoD-DoE Munitions Technology Development	03	18,595	19,308		19,308	18,802		18,802	U
40	0603288D8Z	Analytic Assessments	03		12,000		12,000	14,645		14,645	U
41	0603289D8Z	Advanced Innovative Analysis and Concepts	03		50,000		50,000	59,830		59,830	U
44	0603527D8Z	RETRACT LARCH	03					118,666		118,666	U

## UNCLASSIFIED

Office of Secretary of Defense  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	S e c
45	0603618D8Z	Joint Electronic Advanced Technology	03	8,772	10,949		10,949	43,966		43,966	U
46	0603648D8Z	Joint Capability Technology Demonstrations	03	153,770	119,790		119,790	141,540		141,540	U
47	0603662D8Z	Networked Communications Capabilities	03	5,075				6,980		6,980	U
48	0603668D8Z	Cyber Security Advanced Research	03	11,150							U
49	0603670D8Z	Human, Social and Culture Behavior Modeling (HSCB) Advanced Development	03	2,000							U
50	0603680D8Z	Defense-Wide Manufacturing Science and Technology Program	03	59,996	90,966		90,966	157,056		157,056	U
51	0603699D8Z	Emerging Capabilities Technology Development	03	52,535	33,658		33,658	33,515		33,515	U
54	0603716D8Z	Strategic Environmental Research Program	03	60,651	57,714		57,714	65,836		65,836	U
56	0603727D8Z	Joint Warfighting Program	03	3,325	5,396		5,396	9,626		9,626	U
62	0603781D8Z	Software Engineering Institute	03	18,167	15,754		15,754	15,202		15,202	U
63	0603826D8Z	Quick Reaction Special Projects	03	69,508	59,235		59,235	90,500		90,500	U
65	0603832D8Z	DoD Modeling and Simulation Management Office	03	31,222	2,995		2,995				U
66	0603833D8Z	Engineering Science & Technology	03					18,377		18,377	U
67	0603941D8Z	Test & Evaluation Science & Technology	03	81,247	81,033		81,033	82,589		82,589	U
68	0604055D8Z	Operational Energy Capability Improvement	03	47,240	46,300		46,300	37,420		37,420	U
69	0303310D8Z	CWMD Systems	03	47,819	46,001		46,001	42,488		42,488	U
<b>Advanced Technology Development</b>				<b>806,190</b>	<b>802,960</b>		<b>802,960</b>	<b>1,075,906</b>		<b>1,075,906</b>	

UNCLASSIFIED

Page D-35

## UNCLASSIFIED

Office of Secretary of Defense  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
71	0603161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E ADC&P	04	46,889	41,014		41,014	31,710		31,710	U
72	0603527D8Z	RETRACT LARCH	04	18,625							U
73	0603600D8Z	WALKOFF	04	63,988	90,558		90,558	90,567		90,567	U
74	0603714D8Z	Advanced Sensors Application Program	04	19,190	19,490		19,490	15,900		15,900	U
75	0603851D8Z	Environmental Security Technical Certification Program	04	64,756	63,871		63,871	52,758		52,758	U
93	0603920D8Z	Humanitarian Demining	04	11,395	10,180		10,180	10,129		10,129	U
94	0603923D8Z	Coalition Warfare	04	9,597	10,125		10,125	10,350		10,350	U
95	0604016D8Z	Department of Defense Corrosion Program	04	19,637	12,907		12,907	1,518		1,518	U
97	0604250D8Z	Advanced Innovative Technologies	04	125,811	174,752		174,752	469,798		469,798	U
98	0604400D8Z	Department of Defense (DoD) Unmanned Aircraft System (UAS) Common Development	04	7,977	7,791		7,791	3,129		3,129	U
100	0604670D8Z	Human, Social and Culture Behavior Modeling (HSCB) Research and Engineering	04	2,000							U
101	0604775D8Z	Defense Rapid Innovation Program	04	175,000	225,000		225,000				U
113	0605170D8Z	Support to Networks and Information Integration	04		12,482		12,482				U
114	0303191D8Z	Joint Electromagnetic Technology (JET) Program	04	3,150	2,651		2,651	2,660		2,660	U
		<b>Advanced Component Development And Prototypes</b>		<b>568,015</b>	<b>670,821</b>		<b>670,821</b>	<b>688,519</b>		<b>688,519</b>	
116	0604161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E SDD	05	7,859	7,925		7,925	8,800		8,800	U
117	0604165D8Z	Prompt Global Strike Capability Development	05	63,491	95,626		95,626	78,817		78,817	U

UNCLASSIFIED

Page D-36

## UNCLASSIFIED

Office of Secretary of Defense  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
120	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	05	16,938	17,537		17,537	14,285		14,285	U
124	0605022D8Z	Defense Exportability Program	05	3,640	3,238		3,238	3,273		3,273	U
125	0605027D8Z	OUSD(C) IT Development Initiatives	05	6,599	6,500		6,500	5,962		5,962	U
127	0605075D8Z	DCMO Policy and Integration	05	19,318	19,324		19,324	2,223		2,223	U
130	0605210D8Z	Defense-Wide Electronic Procurement Capabilities	05	5,659	9,546		9,546	7,209		7,209	U
132	0305304D8Z	DoD Enterprise Energy Information Management (EEIM)	05	3,482	3,660		3,660	4,414		4,414	U
<b>System Development And Demonstration</b>				<b>126,986</b>	<b>163,356</b>		<b>163,356</b>	<b>124,983</b>		<b>124,983</b>	
133	0604774D8Z	Defense Readiness Reporting System (DRRS)	06	6,353	5,607		5,607	5,581		5,581	U
134	0604875D8Z	Joint Systems Architecture Development	06	2,389	3,087		3,087	3,081		3,081	U
135	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	06	175,908	239,163		239,163	229,125		229,125	U
136	0604942D8Z	Assessments and Evaluations	06	2,051	15,639		15,639	28,674		28,674	U
137	0604943D8Z	Thermal Vicar	06	8,099							U
138	0605100D8Z	Joint Mission Environment Test Capability (JMETC)	06	27,491	27,124		27,124	45,235		45,235	U
139	0605104D8Z	Technical Studies, Support and Analysis	06	21,200	24,466		24,466	24,936		24,936	U
140	0605117D8Z	Foreign Materiel Acquisition and Exploitation	06	46,911	46,781		46,781				U
142	0605128D8Z	Classified Program USD(P)	06	99,957	100,000		100,000				U
143	0605130D8Z	Foreign Comparative Testing	06	11,877							U
144	0605142D8Z	Systems Engineering	06	38,205	44,683		44,683	37,655		37,655	U

UNCLASSIFIED

Page D-37

## UNCLASSIFIED

Office of Secretary of Defense  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	S e c
145	0605151D8Z	Studies and Analysis Support - OSD	06	5,806	2,660		2,660	3,015		3,015	U
146	0605161D8Z	Nuclear Matters-Physical Security	06	4,816	4,359		4,359	5,287		5,287	U
147	0605170D8Z	Support to Networks and Information Integration	06	6,090	27,861		27,861	5,289		5,289	U
148	0605200D8Z	General Support to USD (Intelligence)	06	6,466	2,850		2,850	2,120		2,120	U
153	0605502D8Z	Small Business Innovative Research	06	55,640							U
158	0605790D8Z	Small Business Innovation Research (SBIR)/ Small Business Technology Transfer	06	1,790	1,631		1,631	2,169		2,169	U
159	0605798D8Z	Defense Technology Analysis	06	9,393	22,074		22,074	13,960		13,960	U
162	0605804D8Z	Development Test and Evaluation	06	18,698	19,160		19,160	17,371		17,371	U
164	0606100D8Z	Budget and Program Assessments	06	4,005	4,093		4,093	4,123		4,123	U
165	0203345D8Z	Defense Operations Security Initiative (DOSI)	06	5,161	1,952		1,952	1,946		1,946	U
170	0303260D8Z	Defense Military Deception Program Office (DMDPO)	06					971		971	U
171	0305193D8Z	Cyber Intelligence	06	7,586	6,738		6,738	6,579		6,579	U
173	0804767D8Z	COCOM Exercise Engagement and Training Transformation (CE2T2) - MHA	06	38,245	38,950		38,950	43,811		43,811	U
177	0909999D8Z	Financing for Cancelled Account Adjustments	06	941							U
<b>Management Support</b>				<b>605,078</b>	<b>638,878</b>		<b>638,878</b>	<b>480,928</b>		<b>480,928</b>	
181	0607210D8Z	Industrial Base Analysis and Sustainment Support	07	9,638	14,756		14,756	22,576		22,576	U
182	0607310D8Z	CWMD Systems: Operational Systems Development	07	1,872	2,948		2,948	1,901		1,901	U

UNCLASSIFIED

Page D-38

UNCLASSIFIED

Office of Secretary of Defense  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
199	0303140D8Z	Information Systems Security Program	07	10,313	11,288		11,288	8,957		8,957	U
204	0303260D8Z	Defense Military Deception Program Office (DMDPO)	07	1,144	949		949				U
211	0305125D8Z	Critical Infrastructure Protection (CIP)	07	9,711	8,834		8,834				U
215	0305186D8Z	Policy R&D Programs	07	3,332	7,055		7,055	4,182		4,182	U
216	0305199D8Z	Net Centricity	07	16,005	23,950		23,950	18,130		18,130	U
226	0305387D8Z	Homeland Defense Technology Transfer Program	07	2,308	2,106		2,106	2,119		2,119	U
227	0305600D8Z	International Intelligence Technology and Architectures	07	4,363							U
<b>Operational System Development</b>				<b>58,686</b>	<b>71,886</b>		<b>71,886</b>	<b>57,865</b>		<b>57,865</b>	
<b>Total Office of Secretary of Defense</b>				<b>2,399,427</b>	<b>2,619,089</b>		<b>2,619,089</b>	<b>2,686,665</b>		<b>2,686,665</b>	



## UNCLASSIFIED

U.S., Special Operations Command  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
23	1160401BB	SOF Technology Development	02	27,560	36,750		36,750	37,517		37,517	U
<b>Applied Research</b>				<b>27,560</b>	<b>36,750</b>		<b>36,750</b>	<b>37,517</b>		<b>37,517</b>	
70	1160402BB	SOF Advanced Technology Development	03	44,496	51,622		51,622	57,741		57,741	U
<b>Advanced Technology Development</b>				<b>44,496</b>	<b>51,622</b>		<b>51,622</b>	<b>57,741</b>		<b>57,741</b>	
206	0304210BB	Special Applications for Contingencies	07	15,150	15,794		15,794	65,060		65,060	U
218	0305208BB	Distributed Common Ground/Surface Systems	07	5,195	5,286		5,286	5,302		5,302	U
223	0305219BB	MQ-1 Predator A UAV	07	641							U
237	1105219BB	MQ-9 UAV	07	13,272	9,702	5,200	14,902	18,151		18,151	U
238	1105232BB	RQ-11 UAV	07		259		259	758		758	U
239	1160279BB	Small Business Innovative Research/ Small Bus Tech Transfer Pilot Prog	07	10,446							U
240	1160403BB	Aviation Systems	07	131,119	158,733		158,733	173,934		173,934	U
241	1160405BB	Intelligence Systems Development	07	7,705	9,490		9,490	6,866		6,866	U
242	1160408BB	Operational Enhancements	07	42,492	75,253	6,000	81,253	63,008		63,008	U
243	1160431BB	Warrior Systems	07	15,692	20,573		20,573	25,342		25,342	U
244	1160432BB	Special Programs	07	7,185	20,908		20,908	3,401		3,401	U
245	1160480BB	SOF Tactical Vehicles	07	2,135	3,672		3,672	3,212		3,212	U
246	1160483BB	Maritime Systems	07	28,724	56,746		56,746	63,597		63,597	U
247	1160489BB	Global Video Surveillance Activities	07	3,304	3,788		3,788	3,933		3,933	U
248	1160490BB	Operational Enhancements Intelligence	07	13,546	15,225		15,225	10,623		10,623	U
<b>Operational System Development</b>				<b>296,606</b>	<b>395,429</b>	<b>11,200</b>	<b>406,629</b>	<b>443,187</b>		<b>443,187</b>	

UNCLASSIFIED

Page D-40

UNCLASSIFIED

U.S., Special Operations Command  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line	Element	Program		FY 2014	FY 2015	FY 2015	FY 2015	FY 2016	FY 2016	FY 2016	S
<u>No</u>	<u>Number</u>	<u>Item</u>	<u>Act</u>	<u>(Base &amp; OCO)</u>	<u>Base Enacted</u>	<u>OCO Enacted</u>	<u>Total Enacted</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>e</u>
											<u>c</u>
				-----	-----	-----	-----	-----	-----	-----	
Total U.S., Special Operations Command				368,662	483,801	11,200	495,001	538,445		538,445	

## UNCLASSIFIED

The Joint Staff  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
64	0603828J	Joint Experimentation	03	12,067							U
		<b>Advanced Technology Development</b>		<b>12,067</b>							
99	0604445J	Wide Area Surveillance	04	25,955	53,000		53,000				U
102	0604787J	Joint Systems Integration	04	5,714	7,002		7,002				U
103	0604826J	Joint C5 Capability Development, Integration and interoperability Assessments	04	3,834				25,200		25,200	U
104	0604828J	Joint FIRES Integration and Interoperability Team	04	6,405	7,102		7,102				U
		<b>Advanced Component Development And Prototypes</b>		<b>41,908</b>	<b>67,104</b>		<b>67,104</b>	<b>25,200</b>		<b>25,200</b>	
141	0605126J	Joint Integrated Air and Missile Defense Organization (JIAMDO)	06	37,314	43,176		43,176	35,471		35,471	U
155	0605502J	Small Business Innovative Research	06	2,177							U
166	0204571J	Joint Staff Analytical Support	06	5,591	10,321		10,321	7,673		7,673	U
169	0303166J	Support to Information Operations (IO) Capabilities	06	8,348	11,552		11,552	10,413		10,413	U
		<b>Management Support</b>		<b>53,430</b>	<b>65,049</b>		<b>65,049</b>	<b>53,557</b>		<b>53,557</b>	
185	0607828J	Joint Integration and Interoperability	07	11,847	11,968		11,968				U
186	0208043J	Planning and Decision Aid System (PDAS)	07	2,838	1,842		1,842	3,061		3,061	U
236	0902298J	Management HQ - OJCS	07	2,926	4,409		4,409	2,978		2,978	U
		<b>Operational System Development</b>		<b>17,611</b>	<b>18,219</b>		<b>18,219</b>	<b>6,039</b>		<b>6,039</b>	
		<b>Total The Joint Staff</b>		<b>125,016</b>	<b>150,372</b>		<b>150,372</b>	<b>84,796</b>		<b>84,796</b>	

UNCLASSIFIED

Page D-42

Washington Headquarters Services  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

Feb 2015

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

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
175	0901598D8W	Management Headquarters WHS	06	607	612		612				U
176	0903230D8W	WHS - Mission Operations Support - IT	06					1,072		1,072	U
		<b>Management Support</b>		607	612		612	1,072		1,072	
<b>Total Washington Headquarters Services</b>				607	612		612	1,072		1,072	

Inspector General  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Non RDT&E Title  
 (Dollars in Thousands)

Feb 2015

<u>Summary Recap of Budget Activities</u>	<u>FY 2014</u> <u>(Base &amp; OCO)</u>	<u>FY 2015</u> <u>Base Enacted</u>	<u>FY 2015</u> <u>OCO Enacted</u>	<u>FY 2015</u> <u>Total Enacted</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>
RDT&E		1,400		1,400	4,700		4,700
Total Research, Development, Test & Evaluation		1,400		1,400	4,700		4,700
 <u>Summary Recap of Non-RDT&amp;E Title FYDP Programs</u>							
Administration and Associated Activities		1,400		1,400	4,700		4,700
Total Research, Development, Test & Evaluation		1,400		1,400	4,700		4,700

Inspector General  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Non RDT&E Title  
 (Dollars in Thousands)

Feb 2015

Appropriation: 0107D Office of the Inspector General

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
1	0901517X	Inspector General, DoD, Audit, Intelligence and Non-Criminal Investigative Activ	02		1,400		1,400	4,700		4,700	U
		<b>RDT&amp;E</b>		-----	1,400	-----	1,400	4,700	-----	4,700	
<b>Total Office of the Inspector General</b>					1,400	-----	1,400	4,700	-----	4,700	

UNCLASSIFIED

Defense Health Agency  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Non RDT&E Title  
 (Dollars in Thousands)

Feb 2015

<u>Summary Recap of Budget Activities</u>	<u>FY 2014 (Base &amp; OCO)</u>	<u>FY 2015 Base Enacted</u>	<u>FY 2015 OCO Enacted</u>	<u>FY 2015 Total Enacted</u>	<u>FY 2016 Base</u>	<u>FY 2016 OCO</u>	<u>FY 2016 Total</u>
RDT&E	1,710,284	1,730,536		1,730,536	980,101		980,101
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>1,710,284</b>	<b>1,730,536</b>		<b>1,730,536</b>	<b>980,101</b>		<b>980,101</b>
 <u>Summary Recap of Non-RDT&amp;E Title FYDP Programs</u>							
Research and Development	1,710,284	1,730,536		1,730,536	980,101		980,101
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>1,710,284</b>	<b>1,730,536</b>		<b>1,730,536</b>	<b>980,101</b>		<b>980,101</b>

## UNCLASSIFIED

Defense Health Agency  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Non RDT&E Title  
 (Dollars in Thousands)

Feb 2015

## Appropriation: 0130D Defense Health Program

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	S e c
1	0601101HP	In-House Laboratory Independent Research	02	2,894	3,151		3,151	3,599		3,599	U
2	0601117HP	Basic Operational Medical Research Science	02	5,805	9,059		9,059	7,397		7,397	U
3	0602115HP	Applied Biomedical Technology	02	59,968	73,201		73,201	58,251		58,251	U
4	0602787HP	Medical Technology	02	1,139	1,241		1,241	1,222		1,222	U
5	0603002HP	Medical Advanced Technology	02	284	310		310	305		305	U
6	0603115HP	Medical Technology Development	02	1,109,743	1,201,188		1,201,188	231,051		231,051	U
7	0604110HP	Medical Products Support and Advanced Concept Development	02	296,634	150,822		150,822	103,443		103,443	U
8	0605013HP	Information Technology Development	02	44,451	21,696		21,696	19,312		19,312	U
9	0605023HP	Information Technology Development - Integrated Electronic Health Record	02	19,912	68,267		68,267	9,216		9,216	U
10	0605025HP	Information Technology Development ? Theater Medical Information Program-Joint	02	23,783	22,042		22,042	22,100		22,100	U
11	0605026HP	Information Technology Development- DoD Healthcare Management System Modernizati	02		91,394		91,394	438,376		438,376	U
12	0605039DHA	DoD Medical Information Exchange and Interoperability	02					11,000		11,000	U
13	0605145HP	Medical Products and Support Systems Development	02	14,415	26,648		26,648	15,906		15,906	U
14	0605502HP	Small Business Innovative Research	02	47,882							U
15	0606105HP	Medical Program-Wide Activities	02	68,277	44,043		44,043	41,567		41,567	U

UNCLASSIFIED

Page D-47



UNCLASSIFIED

Defense Health Agency  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Non RDT&E Title  
 (Dollars in Thousands)

Feb 2015

Appropriation: 0130D Defense Health Program

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
16	0607100HP	Medical Products and Capabilities Enhancement Activities	02	15,097	17,474		17,474	17,356		17,356	U
		<b>RDT&amp;E</b>		<b>1,710,284</b>	<b>1,730,536</b>		<b>1,730,536</b>	<b>980,101</b>		<b>980,101</b>	
<b>Total Defense Health Program</b>				<b>1,710,284</b>	<b>1,730,536</b>		<b>1,730,536</b>	<b>980,101</b>		<b>980,101</b>	

UNCLASSIFIED

Department of the Army  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Non RDT&E Title  
 (Dollars in Thousands)

Feb 2015

	<u>FY 2014</u> <u>(Base &amp; OCO)</u>	<u>FY 2015</u> <u>Base Enacted</u>	<u>FY 2015</u> <u>OCO Enacted</u>	<u>FY 2015</u> <u>Total Enacted</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>
<b><u>Summary Recap of Budget Activities</u></b>							
Research, Development, Test, And Evaluation	604,183	595,913		595,913	579,342		579,342
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>604,183</b>	<b>595,913</b>		<b>595,913</b>	<b>579,342</b>		<b>579,342</b>
<b><u>Summary Recap of Non-RDT&amp;E Title FYDP Programs</u></b>							
Central Supply and Maintenance	604,183	595,913		595,913	579,342		579,342
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>604,183</b>	<b>595,913</b>		<b>595,913</b>	<b>579,342</b>		<b>579,342</b>

UNCLASSIFIED

Department of the Army  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Non RDT&E Title  
 (Dollars in Thousands)

Feb 2015

Appropriation: 0390D Chem Agents & Munitions Destruction

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Se c
1	0708081D	Chemical Materials Agency	02	19,945	20,105		20,105	10,003		10,003	U
2	0708083D	Assembled Chemical Weapons Alternatives	02	584,238	575,808		575,808	569,339		569,339	U
		<b>Research, Development, Test, And Evaluation</b>		<b>604,183</b>	<b>595,913</b>		<b>595,913</b>	<b>579,342</b>		<b>579,342</b>	
<b>Total Chem Agents &amp; Munitions Destruction</b>				<b>604,183</b>	<b>595,913</b>		<b>595,913</b>	<b>579,342</b>		<b>579,342</b>	

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Non RDT&E Title  
 (Dollars in Thousands)

Feb 2015

	<u>FY 2014</u> <u>(Base &amp; OCO)</u>	<u>FY 2015</u> <u>Base Enacted</u>	<u>FY 2015</u> <u>OCO Enacted</u>	<u>FY 2015</u> <u>Total Enacted</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>
<u>Summary Recap of Budget Activities</u>							
Research and Development	31,072	24,417		24,417	25,197		25,197
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>31,072</b>	<b>24,417</b>		<b>24,417</b>	<b>25,197</b>		<b>25,197</b>
<u>Summary Recap of Non-RDT&amp;E Title FYDP Programs</u>							
Mobility Forces	31,072	24,417		24,417	25,197		25,197
<b>Total Research, Development, Test &amp; Evaluation</b>	<b>31,072</b>	<b>24,417</b>		<b>24,417</b>	<b>25,197</b>		<b>25,197</b>

UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit R-1 FY 2016 President's Budget  
 Non RDT&E Title  
 (Dollars in Thousands)

Feb 2015

Appropriation: 4557N National Defense Sealift Fund

Line No	Element Number	Program Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Se c
1	0408042N	National Defense Sealift Fund	04	31,072	24,417		24,417	25,197		25,197	U
		Research and Development		31,072	24,417		24,417	25,197		25,197	
<b>Total National Defense Sealift Fund</b>				<b>31,072</b>	<b>24,417</b>		<b>24,417</b>	<b>25,197</b>		<b>25,197</b>	