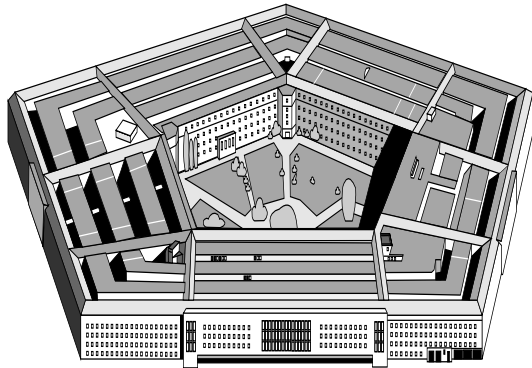


RDT&E PROGRAMS (R-1)



*Department of Defense Budget
Fiscal Year 2011
February 2010
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)

UNCLASSIFIED

UNCLASSIFIED

TABLE OF CONTENTS

	<u>PAGE</u>
<u>DoD Component Summary</u>	II & III
<u>Army</u>	
Army Summary	A-1
Army R-1 Detail	A-2 through A-14
Army R-1 Recovery Act	A-15 through A-
16	
<u>Navy</u>	
Navy Summary	N-1
Navy R-1 Detail	N-2 through N-15
Navy R-1 Recovery Act	N-16 through N-17
<u>Air Force</u>	
Air Force Summary	F-1
Air Force R-1 Detail	F-2 through F-16
Air Force R-1 Recovery Act	F-17 through F-
19	
Tanker Replacement Transfer Fund	F-20 through F-21
<u>Defense Agencies</u>	
Defensewide Summary	D-1 & D-2
Defensewide R-1 Detail	D-3 through D-23
Defensewide R-1 Recovery Act	D-24 through D-23
Operational Test and Evaluation Summary	D-24
Operational Test and Evaluation R-1 Detail	D-25
Individual Defense Agency R-1 Detail	D-1 through D-33

UNCLASSIFIED

Department of Defense
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 Summary
 (Dollars in Thousands)

Feb 2010

<u>Appropriation</u>	<u>FY 2009 (Base & OCO)</u>	<u>FY 2010 Base & OCO Enacted</u>	<u>FY 2010 Supplemental Request</u>	<u>FY 2010 Total</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total Request</u>
Research, Development, Test & Eval, Army	12,078,895	11,472,476	61,962	11,534,438	10,333,392	150,906	10,484,298
Research, Development, Test & Eval, Army, RA	75,000						
Research, Development, Test & Eval, Navy	19,733,741	19,967,146	5,360	19,972,506	17,693,496	60,401	17,753,897
Research, Development, Test & Eval, Navy, RA	75,000						
Research, Development, Test & Eval, AF	26,691,777	27,981,721	187,651	28,169,372	27,247,302	266,241	27,513,543
Research, Development, Test & Eval, AF, RA	75,000						
Tanker Replacement Transfer Fund, AF		291,715		291,715			
Research, Development, Test & Eval, DW	21,661,178	20,737,291	22,138	20,759,429	20,661,600	157,240	20,818,840
Research, Development, Test & Eval, DW, RA	75,000						
Operational Test & Eval, Defense	185,202	188,237		188,237	194,910		194,910
Total Research, Development, Test & Evaluation	80,650,793	80,638,586	277,111	80,915,697	76,130,700	634,788	76,765,488

UNCLASSIFIED

Department of Defense
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 Summary
 (Dollars in Thousands)

Feb 2010

<u>Summary Recap of Budget Activities</u>	<u>FY 2009 (Base & OCO)</u>	<u>FY 2010 Base & OCO Enacted</u>	<u>FY 2010 Supplemental Request</u>	<u>FY 2010 Total</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total Request</u>
Basic Research	1,758,446	2,165,243		2,165,243	1,998,797		1,998,797
Applied Research	5,071,963	5,038,295		5,038,295	4,475,822		4,475,822
Advanced Technology Development	6,424,946	6,544,231		6,544,231	5,344,430	14,100	5,358,530
Advanced Component Development & Prototypes	14,939,163	14,484,654		14,484,654	13,876,720	74,900	13,951,620
System Development & Demonstration	18,125,159	17,299,249	65,861	17,365,110	16,452,812	43,800	16,496,612
RDT&E Management Support	5,991,158	4,744,583	11,190	4,755,773	4,483,936	5,200	4,489,136
Operational Systems Development	28,339,958	30,362,331		30,562,391	29,498,183	496,788	29,994,971
Total Research, Development, Test & Evaluation	80,650,793	80,638,586	277,111	80,915,697	76,130,700	634,788	76,765,488
 <u>Summary Recap of FYDP Programs</u>							
Strategic Forces	606,571	1,216,472		1,216,472	1,006,794		1,006,794
General Purpose Forces	4,031,379	4,857,977		4,857,977	4,714,768	4,443	4,719,211
Intelligence and Communications	5,154,166	5,683,935		5,683,935	5,681,412	116,381	5,797,793
Mobility Forces	563,770	524,219		524,219	544,547	10,325	554,872
Research and Development	51,436,657	49,322,968	77,051	49,400,019	45,532,654	138,000	45,670,654
Central Supply and Maintenance	494,632	561,890		561,890	414,018		414,018
Training Medical and Other	28,071	53,511		53,511	100,439		100,439
Administration and Associated Activities	181,720	187,033		187,033	128,234		128,234
Support of Other Nations	26,260	72,671		72,671	97,649		97,649
Special Operations Forces	462,974	434,542		434,542	320,460	9,440	329,900
Classified Programs	17,664,593	17,723,368	200,060	17,923,428	17,589,725	356,199	17,945,924
Total Research, Development, Test & Evaluation	80,650,793	80,638,586	277,111	80,915,697	76,130,700	634,788	76,765,488

UNCLASSIFIED

UNCLASSIFIED

Department of the Army
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 Summary
 (Dollars in Thousands)

Feb 2010

<u>Summary Recap of Budget Activities</u>	<u>FY 2009 (Base & OCO)</u>	<u>FY 2010 Base & OCO Enacted</u>	<u>FY 2010 Supplemental Request</u>	<u>FY 2010 Total</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total Request</u>
Basic Research	422,136	431,777		431,777	406,873		406,873
Applied Research	1,224,889	1,337,114		1,337,114	841,364		841,364
Advanced Technology Development	1,438,797	1,373,609		1,373,609	696,592		696,592
Advanced Component Development & Prototypes	1,010,485	932,004		932,004	746,248	57,900	804,148
System Development & Demonstration	5,025,850	4,392,781	61,962	4,454,743	5,021,546	13,500	5,035,046
RDT&E Management Support	1,470,157	1,196,744		1,196,744	1,142,383		1,142,383
Operational Systems Development	1,486,581	1,808,447		1,808,447	1,478,386	79,506	1,557,892
Total Research, Development, Test & Eval, Army	12,078,895	11,472,476	61,962	11,534,438	10,333,392	150,906	10,484,298
 <u>Summary Recap of FYDP Programs</u>							
Strategic Forces	344,850	328,356		328,356	372,493		372,493
General Purpose Forces	581,862	573,314		573,314	457,682		457,682
Intelligence and Communications	412,124	772,494		772,494	649,315	79,506	728,821
Research and Development	10,646,216	9,691,578	61,962	9,753,540	8,788,357	71,400	8,859,757
Central Supply and Maintenance	89,966	102,867		102,867	61,098		61,098
Administration and Associated Activities	52						
Classified Programs	3,825	3,867		3,867	4,447		4,447
Total Research, Development, Test & Eval, Army	12,078,895	11,472,476	61,962	11,534,438	10,333,392	150,906	10,484,298

UNCLASSIFIED

UNCLASSIFIED

Department of the Army
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
1	0601101A	In-House Laboratory Independent Research	01	19,357	19,568		19,568	21,780		21,780	U
2	0601102A	Defense Research Sciences	01	193,968	197,471		197,471	195,845		195,845	U
3	0601103A	University Research Initiatives	01	87,485	99,400		99,400	91,161		91,161	U
4	0601104A	University and Industry Research Centers	01	121,326	115,338		115,338	98,087		98,087	U
		Basic Research		422,136	431,777		431,777	406,873		406,873	
5	0602105A	Materials Technology	02	80,686	99,447		99,447	29,882		29,882	U
6	0602120A	Sensors and Electronic Survivability	02	76,213	70,272		70,272	48,929		48,929	U
7	0602122A	TRACTOR HIP	02	17,659	14,250		14,250	14,624		14,624	U
8	0602211A	Aviation Technology	02	46,232	49,273		49,273	43,476		43,476	U
9	0602270A	Electronic Warfare Technology	02	20,058	22,303		22,303	17,330		17,330	U
10	0602303A	Missile Technology	02	57,502	70,924		70,924	49,525		49,525	U
11	0602307A	Advanced Weapons Technology	02	22,638	21,964		21,964	18,190		18,190	U
12	0602308A	Advanced Concepts and Simulation	02	18,205	27,330		27,330	20,582		20,582	U
13	0602601A	Combat Vehicle and Automotive Technology	02	84,436	78,923		78,923	64,740		64,740	U
14	0602618A	Ballistics Technology	02	84,827	78,034		78,034	60,342		60,342	U
15	0602622A	Chemical, Smoke and Equipment Defeating Technology	02	8,873	13,622		13,622	5,324		5,324	U
16	0602623A	Joint Service Small Arms Program	02	9,165	7,634		7,634	7,893		7,893	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Army
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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17	0602624A	Weapons and Munitions Technology	02	106,253	144,864		144,864	42,645		42,645	U
18	0602705A	Electronics and Electronic Devices	02	99,118	134,532		134,532	60,859		60,859	U
19	0602709A	Night Vision Technology	02	45,329	50,877		50,877	40,228		40,228	U
20	0602712A	Countermine Systems	02	27,827	23,621		23,621	19,118		19,118	U
21	0602716A	Human Factors Engineering Technology	02	42,208	30,446		30,446	21,042		21,042	U
22	0602720A	Environmental Quality Technology	02	15,786	25,469		25,469	18,364		18,364	U
23	0602782A	Command, Control, Communications Technology	02	45,350	30,036		30,036	25,573		25,573	U
24	0602783A	Computer and Software Technology	02	7,786	5,609		5,609	6,768		6,768	U
25	0602784A	Military Engineering Technology	02	58,671	60,779		60,779	79,189		79,189	U
26	0602785A	Manpower/Personnel/ Training Technology	02	16,096	16,614		16,614	22,198		22,198	U
27	0602786A	Warfighter Technology	02	35,866	38,347		38,347	27,746		27,746	U
28	0602787A	Medical Technology	02	198,105	221,944		221,944	96,797		96,797	U
		Applied Research		1,224,889	1,337,114		1,337,114	841,364		841,364	
29	0603001A	Warfighter Advanced Technology	03	72,271	54,290		54,290	37,364		37,364	U
30	0603002A	Medical Advanced Technology	03	329,258	339,752		339,752	71,510		71,510	U
31	0603003A	Aviation Advanced Technology	03	102,207	112,388		112,388	57,454		57,454	U
32	0603004A	Weapons and Munitions Advanced Technology	03	112,544	89,861		89,861	64,438		64,438	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Army
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
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33	0603005A	Combat Vehicle and Automotive Advanced Technology	03	270,195	240,190		240,190	89,499		89,499	U
34	0603006A	Command, Control, Communications Advanced Technology	03	11,307	12,352		12,352	8,102		8,102	U
35	0603007A	Manpower, Personnel and Training Advanced Technology	03	6,725	7,371		7,371	7,921		7,921	U
36	0603008A	Electronic Warfare Advanced Technology	03	61,192	57,199		57,199	50,359		50,359	U
37	0603009A	TRACTOR HIKE	03	14,157	11,270		11,270	8,015		8,015	U
38	0603015A	Next Generation Training & Simulation Systems	03	24,769	25,362		25,362	15,334		15,334	U
39	0603020A	TRACTOR ROSE	03	11,216	14,493		14,493	12,309		12,309	U
40	0603103A	Explosives Demilitarization Technology	03	17,213	12,495		12,495				U
41	0603105A	Military HIV Research	03	14,867	29,502		29,502	6,688		6,688	U
42	0603125A	Combating Terrorism, Technology Development	03	12,656	11,927		11,927	10,550		10,550	U
43	0603270A	Electronic Warfare Technology	03	32,544	21,877		21,877	18,350		18,350	U
44	0603313A	Missile and Rocket Advanced Technology	03	74,967	86,559		86,559	84,553		84,553	U
45	0603322A	TRACTOR CAGE	03	12,037	12,090		12,090	9,986		9,986	U
46	0603606A	Landmine Warfare and Barrier Advanced Technology	03	36,883	34,855		34,855	26,953		26,953	U
47	0603607A	Joint Service Small Arms Program	03	8,568	8,949		8,949	9,151		9,151	U

UNCLASSIFIED

UNCLASSIFIED

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 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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Date: Feb 2010

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48	0603710A	Night Vision Advanced Technology	03	69,778	72,250		72,250	39,912		39,912	U
49	0603728A	Environmental Quality Technology Demonstrations	03	16,782	16,121		16,121	15,878		15,878	U
50	0603734A	Military Engineering Advanced Technology	03	34,935	45,394		45,394	27,393		27,393	U
51	0603772A	Advanced Tactical Computer Science and Sensor Technology	03	91,726	57,062		57,062	24,873		24,873	U
		Advanced Technology Development		1,438,797	1,373,609		1,373,609	696,592		696,592	
52	0603024A	Unique Item Identification (UID)	04	628	1,990		1,990				U
53	0603305A	Army Missile Defense Systems Integration(Non Space)	04	90,552	71,788		71,788	11,455		11,455	U
54	0603308A	Army Missile Defense Systems Integration (Space)	04	53,416	118,610		118,610	27,551		27,551	U
55	0603327A	Air and Missile Defense Systems Engineering	04	115,567	166,061		166,061				U
56	0603619A	Landmine Warfare and Barrier - Adv Dev	04	13,789	17,445		17,445	15,596		15,596	U
57	0603627A	Smoke, Obscurant and Target Defeating Sys-Adv Dev	04	3,721	4,894		4,894	2,425		2,425	U
58	0603639A	Tank and Medium Caliber Ammunition	04	39,590	33,757		33,757	42,183		42,183	U
59	0603653A	Advanced Tank Armament System (ATAS)	04	76,072	89,828		89,828	136,302		136,302	U
60	0603747A	Soldier Support and Survivability	04	18,058	33,178		33,178	18,556	57,900	76,456	U

UNCLASSIFIED

UNCLASSIFIED

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 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
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61	0603766A	Tactical Electronic Surveillance System - Adv Dev	04	12,235	12,164		12,164	17,962		17,962	U
62	0603774A	Night Vision Systems Advanced Development	04	2,508							U
63	0603779A	Environmental Quality Technology	04	20,443	18,374		18,374	4,695		4,695	U
64	0603782A	Warfighter Information Network-Tactical	04	392,138	169,783		169,783	190,903		190,903	U
65	0603790A	NATO Research and Development	04	4,883	5,022		5,022	5,060		5,060	U
66	0603801A	Aviation - Adv Dev	04	26,507	8,492		8,492	8,355		8,355	U
67	0603804A	Logistics and Engineer Equipment - Adv Dev	04	42,939	59,662		59,662	80,490		80,490	U
68	0603805A	Combat Service Support Control System Evaluation and Analysis	04	17,267	9,817		9,817	14,290		14,290	U
69	0603807A	Medical Systems - Adv Dev	04	29,572	35,886		35,886	28,132		28,132	U
70	0603827A	Soldier Systems - Advanced Development	04	41,599	73,785		73,785	48,323		48,323	U
71	0603850A	Integrated Broadcast Service	04	9,001	1,468		1,468	970		970	U
72	0305205A	Endurance UAVs	04					93,000		93,000	U
	Advanced Component Development & Prot			1,010,485	932,004		932,004	746,248	57,900	804,148	
73	0604201A	Aircraft Avionics	05	60,781	89,508		89,508	89,210		89,210	U
74	0604220A	Armed, Deployable Helos	05	63,017	66,169		66,169	72,550		72,550	U
75	0604270A	Electronic Warfare Development	05	38,256	219,608	61,962	281,570	172,269	5,400	177,669	U
76	0604280A	Joint Tactical Radio	05					784		784	U

UNCLASSIFIED

Department of the Army
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
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77	0604321A	All Source Analysis System	05	13,211	13,039		13,039	22,574	8,100	30,674	U
78	0604328A	TRACTOR CAGE	05	16,300	16,201		16,201	23,194		23,194	U
79	0604601A	Infantry Support Weapons	05	57,677	83,178		83,178	80,337		80,337	U
80	0604604A	Medium Tactical Vehicles	05	2,169	5,653		5,653	3,710		3,710	U
81	0604609A	Smoke, Obscurant and Target Defeating Sys-SDD	05	5,428	973		973	5,335		5,335	U
82	0604611A	JAVELIN	05					9,999		9,999	U
83	0604622A	Family of Heavy Tactical Vehicles	05	4,550	9,826		9,826	3,519		3,519	U
84	0604633A	Air Traffic Control	05	16,092	7,538		7,538	9,892		9,892	U
85	0604642A	Light Tactical Wheeled Vehicles	05					1,990		1,990	U
86	0604646A	Non-Line of Sight Launch System	05	253,684	91,223		91,223	81,247		81,247	U
87	0604647A	Non-Line of Sight Cannon	05	87,038	47,964		47,964				U
88	0604660A	FCS Manned Grd Vehicles & Common Grd Vehicle	05	760,744	275,116		275,116				U
89	0604661A	FCS Systems of Systems Engr & Program Mgmt	05	1,022,165	912,399		912,399	568,711		568,711	U
90	0604662A	FCS Reconnaissance (UAV) Platforms	05	55,923	75,107		75,107	50,304		50,304	U
91	0604663A	FCS Unmanned Ground Vehicles	05	104,571	124,962		124,962	249,948		249,948	U
92	0604664A	FCS Unattended Ground Sensors	05	20,135	26,778		26,778	7,515		7,515	U
93	0604665A	FCS Sustainment & Training R&D	05	819,721	655,745		655,745	610,389		610,389	U

UNCLASSIFIED

UNCLASSIFIED

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 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
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94	0604666A	Spin Out Technology/ Capability Insertion	05	122,788							U
95	0604710A	Night Vision Systems - SDD	05	96,678	57,111		57,111	52,549		52,549	U
96	0604713A	Combat Feeding, Clothing, and Equipment	05	2,422	2,081		2,081	2,118		2,118	U
97	0604715A	Non-System Training Devices - SDD	05	36,826	30,052		30,052	27,756		27,756	U
98	0604741A	Air Defense Command, Control and Intelligence - SDD	05	21,737	28,785		28,785	34,209		34,209	U
99	0604742A	Constructive Simulation Systems Development	05	25,095	33,039		33,039	30,291		30,291	U
100	0604746A	Automatic Test Equipment Development	05	17,020	15,240		15,240	14,041		14,041	U
101	0604760A	Distributive Interactive Simulations (DIS) - SDD	05	18,999	15,645		15,645	15,547		15,547	U
102	0604778A	Positioning Systems Development (SPACE)	05		9,396		9,396				U
103	0604780A	Combined Arms Tactical Trainer (CATT) Core	05	32,541	26,107		26,107	27,670		27,670	U
104	0604783A	Joint Network Management System	05	659							U
105	0604802A	Weapons and Munitions - SDD	05	101,823	87,022		87,022	24,345		24,345	U
106	0604804A	Logistics and Engineer Equipment - SDD	05	29,884	37,023		37,023	41,039		41,039	U
107	0604805A	Command, Control, Communications Systems - SDD	05	9,489	58,688		58,688	90,736		90,736	U

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UNCLASSIFIED

Department of the Army
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
108	0604807A	Medical Materiel/Medical Biological Defense Equipment - SDD	05	41,081	41,794		41,794	34,474		34,474	U
109	0604808A	Landmine Warfare/Barrier - SDD	05	113,590	72,380		72,380	95,577		95,577	U
110	0604814A	Artillery Munitions	05	70,008	42,230		42,230	26,371		26,371	U
111	0604817A	Combat Identification	05	8,967	10,018		10,018	29,884		29,884	U
112	0604818A	Army Tactical Command & Control Hardware & Software	05	63,552	79,448		79,448	60,970		60,970	U
113	0604822A	General Fund Enterprise Business System (GFEBBS)	05	50,308	23,777		23,777	13,576		13,576	U
114	0604823A	Firefinder	05	64,834	20,227		20,227	24,736		24,736	U
115	0604827A	Soldier Systems - Warrior Dem/Val	05	20,086	19,683		19,683	20,886		20,886	U
116	0604854A	Artillery Systems	05	32,261	115,811		115,811	53,624		53,624	U
117	0604869A	Patriot/MEADS Combined Aggregate Program (CAP)	05	454,665	566,215		566,215	467,139		467,139	U
118	0604870A	Nuclear Arms Control Monitoring Sensor Network	05	6,064	7,103		7,103	7,276		7,276	U
119	0605013A	Information Technology Development	05	68,194	66,561		66,561	23,957		23,957	U
120	0605018A	Army Integrated Military Human Resources System (A-IMHRS)	05					100,500		100,500	U
121	0605450A	Joint Air-to-Ground Missile (JAGM)	05	114,817	126,775		126,775	130,340		130,340	U
122	0605455A	SLAMRAAM	05					23,700		23,700	U
123	0605456A	PAC-3/MSE Missile	05					62,500		62,500	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Army
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se c
124	0605457A	Army Integrated Air and Missile Defense (AIAMD)	05					251,124		251,124	U
125	0605625A	Manned Ground Vehicle	05		79,583		79,583	934,366		934,366	U
126	0605626A	Aerial Common Sensor	05					211,500		211,500	U
127	0303032A	TROJAN - RH12	05					3,697		3,697	U
128	0304270A	Electronic Warfare Development	05					21,571		21,571	U
	System Development & Demonstration			5,025,850	4,392,781	61,962	4,454,743	5,021,546	13,500	5,035,046	
129	0604256A	Threat Simulator Development	06	22,015	25,091		25,091	26,158		26,158	U
130	0604258A	Target Systems Development	06	13,124	13,544		13,544	8,614		8,614	U
131	0604759A	Major T&E Investment	06	62,699	51,576		51,576	42,102		42,102	U
132	0605103A	Rand Arroyo Center	06	19,817	17,812		17,812	20,492		20,492	U
133	0605301A	Army Kwajalein Atoll	06	169,367	162,662		162,662	163,788		163,788	U
134	0605326A	Concepts Experimentation Program	06	33,178	26,407		26,407	17,704		17,704	U
135	0605502A	Small Business Innovative Research	06	297,531							U
136	0605601A	Army Test Ranges and Facilities	06	356,720	352,845		352,845	393,937		393,937	U
137	0605602A	Army Technical Test Instrumentation and Targets	06	84,905	84,389		84,389	59,040		59,040	U
138	0605604A	Survivability/Lethality Analysis	06	40,037	44,782		44,782	41,812		41,812	U
139	0605605A	DOD High Energy Laser Test Facility	06	6,772	7,352		7,352	4,710		4,710	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Army
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
140	0605606A	Aircraft Certification	06	5,001	3,746		3,746	5,055		5,055	U
141	0605702A	Meteorological Support to RDT&E Activities	06	8,120	8,347		8,347	7,185		7,185	U
142	0605706A	Materiel Systems Analysis	06	17,472	19,864		19,864	18,078		18,078	U
143	0605709A	Exploitation of Foreign Items	06	3,908	5,403		5,403	5,460		5,460	U
144	0605712A	Support of Operational Testing	06	76,231	77,471		77,471	68,191		68,191	U
145	0605716A	Army Evaluation Center	06	61,461	67,555		67,555	61,450		61,450	U
146	0605718A	Army Modeling & Sim X-Cmd Collaboration & Integ	06	5,159	5,328		5,328	3,926		3,926	U
147	0605801A	Programwide Activities	06	72,659	77,419		77,419	73,685		73,685	U
148	0605803A	Technical Information Activities	06	44,051	51,351		51,351	48,309		48,309	U
149	0605805A	Munitions Standardization, Effectiveness and Safety	06	44,326	72,851		72,851	53,338		53,338	U
150	0605857A	Environmental Quality Technology Mgmt Support	06	9,966	5,165		5,165	3,195		3,195	U
151	0605898A	Management HQ - R&D	06	15,586	15,784		15,784	16,154		16,154	U
152	0909999A	Financing for Cancelled Account Adjustments	06	52							U
		RDT&E Management Support		1,470,157	1,196,744		1,196,744	1,142,383		1,142,383	
153	0603778A	MLRS Product Improvement Program	07	53,954	27,549		27,549	51,619		51,619	U
154	0102419A	Aerostat Joint Project Office	07	344,850	328,356		328,356	372,493		372,493	U

UNCLASSIFIED

Department of the Army
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
155	0203347A	Intelligence Support to Cyber (ISC) MIP	07					2,360		2,360	U
156	0203726A	Adv Field Artillery Tactical Data System	07	16,200	29,174		29,174	24,622		24,622	U
157	0203735A	Combat Vehicle Improvement Programs	07	139,100	196,393		196,393	204,481		204,481	U
158	0203740A	Maneuver Control System	07	36,072	21,283		21,283	25,540		25,540	U
159	0203744A	Aircraft Modifications/Product Improvement Programs	07	298,640	212,992		212,992	134,999		134,999	U
160	0203752A	Aircraft Engine Component Improvement Program	07	326	788		788	710		710	U
161	0203758A	Digitization	07	7,835	10,636		10,636	6,329		6,329	U
162	0203759A	Force XXI Battle Command, Brigade and Below (FBCB2)	07	22,688				3,935		3,935	U
163	0203801A	Missile/Air Defense Product Improvement Program	07	34,189	39,068		39,068	24,280		24,280	U
164	0203802A	Other Missile Product Improvement Programs	07	5,167	3,979		3,979				U
165	0203808A	TRACTOR CARD	07	15,818	19,930		19,930	14,870		14,870	U
166	0208010A	Joint Tactical Communications Program (TRI-TAC)	07	892							U
167	0208053A	Joint Tactical Ground System	07	1,949	36,005		36,005	12,403		12,403	U
168	0208058A	Joint High Speed Vessel (JHSV)	07	2,986	3,066		3,066	3,153		3,153	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Army
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
170	0303028A	Security and Intelligence Activities	07	3,189	9,777		9,777				U
171	0303140A	Information Systems Security Program	07	39,679	60,866		60,866	54,784	63,306	118,090	U
172	0303141A	Global Combat Support System	07	107,693	143,979		143,979	125,569		125,569	U
173	0303142A	SATCOM Ground Environment (SPACE)	07	46,799	39,889		39,889	33,694		33,694	U
174	0303150A	WWMCCS/Global Command and Control System	07	12,599	11,972		11,972	13,024		13,024	U
175	0303158A	Joint Command and Control Program (JC2)	07	13,228							U
177	0305204A	Tactical Unmanned Aerial Vehicles	07	100,454	202,116		202,116	54,300		54,300	U
178	0305208A	Distributed Common Ground/Surface Systems	07	88,483	188,465		188,465	103,002	16,200	119,202	U
179	0305219A	MQ-1 Sky Warrior A UAV	07					123,156		123,156	U
180	0305232A	RQ-11 UAV	07					1,599		1,599	U
181	0305233A	RQ-7 UAV	07					7,805		7,805	U
182	0307207A	Aerial Common Sensor (ACS)	07		115,430		115,430				U
183	0307665A	Biometrics Enabled Intelligence	07					14,114		14,114	U
184	0702239A	Avionics Component Improvement Program	07	991							U
185	0708045A	End Item Industrial Preparedness Activities	07	88,975	102,867		102,867	61,098		61,098	U
9999	9999999999	Classified Programs		3,825	3,867		3,867	4,447		4,447	U
		Operational Systems Development		1,486,581	1,808,447		1,808,447	1,478,386	79,506	1,557,892	

UNCLASSIFIED

Department of the Army
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line	Program Element <u>No</u> <u>Number</u>	<u>Item</u>	<u>Act</u>	FY 2009 (Base & OCO)	FY 2010 Base & OCO <u>Enacted</u>	FY 2010 Supplemental <u>Request</u>	FY 2010 <u>Total</u>	FY 2011 <u>Base</u>	FY 2011 <u>OCO</u>	FY 2011 <u>Total Request</u>	S e c
	Total Research, Development, Test & Eval, Army			12,078,895	11,472,476	61,962	11,534,438	10,333,392	150,906	10,484,298	

UNCLASSIFIED

Department of the Army
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 Summary
 (Dollars in Thousands)

Feb 2010

<u>Summary Recap of Budget Activities</u>	<u>FY 2009</u> <u>(Base & OCO)</u>	<u>FY 2010</u> <u>Base & OCO</u> <u>Enacted</u>	<u>FY 2010</u> <u>Supplemental</u> <u>Request</u>	<u>FY 2010</u> <u>Total</u>	<u>FY 2011</u> <u>Base</u>	<u>FY 2011</u> <u>OCO</u>	<u>FY 2011</u> <u>Total Request</u>
Applied Research	33,048						
Advanced Technology Development	39,852						
Management Support	2,100						
Total Research, Development, Test & Eval, Army,	75,000						
 <u>Summary Recap of FYDP Programs</u>							
Research and Development	75,000						
Total Research, Development, Test & Eval, Army,	75,000						

UNCLASSIFIED

UNCLASSIFIED

Department of the Army
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

Appropriation: 2041A Research, Development, Test & Eval, Army, RA

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
1	0632002A	High Temperature Silicon Carbide (SiC) Power Semiconductors (Applied Research)	02	12,150							U
2	0632006A	Lightweight, Flexible, Cost Effective Solar Energy Photovoltaics	02	14,580							U
3	0632007A	Develop smaller, lighter cogeneration and absorption environmental control syste	02	6,318							U
Applied Research				33,048							
4	0633001A	Advanced Power Electronics Ground Systems Testbed Equipment	03	14,580							U
5	0633003A	High Temperature Silicon Carbide (SiC) Power Semiconductors (Advanced Research)	03	12,150							U
6	0633004A	Ultra Low Energy Community Systems	03	2,916							U
7	0633005A	Energy Security Audit & Islanding Methodology	03	6,804							U
8	0633008A	Micro-Grid Field Scaled Demonstration	03	3,402							U
Advanced Technology Development				39,852							
9	0636016A	SBIR/STTR	06	2,100							U
Management Support				2,100							
Total Research, Development, Test & Eval, Army,				75,000							

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 Summary
 (Dollars in Thousands)

Feb 2010

<u>Summary Recap of Budget Activities</u>	<u>FY 2009 (Base & OCO)</u>	<u>FY 2010 Base & OCO Enacted</u>	<u>FY 2010 Supplemental Request</u>	<u>FY 2010 Total</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total Request</u>
Basic Research	525,075	549,354		549,354	556,425		556,425
Applied Research	775,483	718,810		718,810	678,680		678,680
Advanced Technology Development	820,702	831,923		831,923	725,599	14,100	739,699
Advanced Component Development & Prototypes	3,384,455	4,364,655		4,364,655	3,914,371	1,000	3,915,371
System Development & Demonstration	8,311,870	8,205,037	3,899	8,208,936	6,852,468	300	6,852,768
RDT&E Management Support	1,350,224	994,787	1,461	996,248	849,242	5,200	854,442
Operational Systems Development	4,565,932	4,302,580		4,302,580	4,116,711	39,801	4,156,512
Total Research, Development, Test & Eval, Navy	19,733,741	19,967,146	5,360	19,972,506	17,693,496	60,401	17,753,897
 <u>Summary Recap of FYDP Programs</u>							
Strategic Forces	176,187	157,072		157,072	133,327		133,327
General Purpose Forces	1,050,336	1,738,802		1,738,802	1,614,961		1,614,961
Intelligence and Communications	1,481,432	1,306,824		1,306,824	1,327,011	6,900	1,333,911
Research and Development	15,453,366	15,373,337	5,360	15,378,697	13,260,964	20,600	13,281,564
Central Supply and Maintenance	71,587	97,088		97,088	68,072		68,072
Training Medical and Other	4,983	4,180		4,180	4,260		4,260
Administration and Associated Activities	57						
Classified Programs	1,495,793	1,289,843		1,289,843	1,284,901	32,901	1,317,802
Total Research, Development, Test & Eval, Navy	19,733,741	19,967,146	5,360	19,972,506	17,693,496	60,401	17,753,897

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
1	0601103N	University Research Initiatives	01	102,411	102,246		102,246	108,679		108,679	U
2	0601152N	In-House Laboratory Independent Research	01	17,103	18,001		18,001	17,979		17,979	U
3	0601153N	Defense Research Sciences	01	405,561	429,107		429,107	429,767		429,767	U
		Basic Research		525,075	549,354		549,354	556,425		556,425	
4	0602114N	Power Projection Applied Research	02	101,584	77,210		77,210	98,150		98,150	U
5	0602123N	Force Protection Applied Research	02	186,628	146,045		146,045	107,448		107,448	U
6	0602131M	Marine Corps Landing Force Technology	02	43,499	45,607		45,607	43,776		43,776	U
7	0602234N	Materials, Electronics and Computer Technology	02	7,280	2,788		2,788				U
8	0602235N	Common Picture Applied Research	02	89,673	90,440		90,440	70,168		70,168	U
9	0602236N	Warfighter Sustainment Applied Research	02	114,262	118,783		118,783	113,724		113,724	U
10	0602271N	Electromagnetic Systems Applied Research	02	61,439	69,327		69,327	83,902		83,902	U
11	0602435N	Ocean Warfighting Environment Applied Research	02	51,855	53,727		53,727	49,491		49,491	U
12	0602651M	Joint Non-Lethal Weapons Applied Research	02	4,795	5,983		5,983	6,002		6,002	U
13	0602747N	Undersea Warfare Applied Research	02	61,413	65,003		65,003	69,186		69,186	U
14	0602782N	Mine and Expeditionary Warfare Applied Research	02	53,055	43,897		43,897	36,833		36,833	U
		Applied Research		775,483	718,810		718,810	678,680		678,680	

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
15	0603114N	Power Projection Advanced Technology	03	96,837	116,191		116,191	117,908		117,908	U
16	0603123N	Force Protection Advanced Technology	03	121,465	92,962		92,962	61,877		61,877	U
17	0603235N	Common Picture Advanced Technology	03	86,583	104,531		104,531	96,720		96,720	U
18	0603236N	Warfighter Sustainment Advanced Technology	03	110,904	92,864		92,864	98,261		98,261	U
19	0603271N	Electromagnetic Systems Advanced Technology	03	56,092	75,506		75,506	82,143	14,100	96,243	U
20	0603640M	USMC Advanced Technology Demonstration (ATD)	03	102,534	129,962		129,962	115,089		115,089	U
21	0603651M	Joint Non-Lethal Weapons Technology Development	03	13,475	11,749		11,749	11,131		11,131	U
22	0603729N	Warfighter Protection Advanced Technology	03	52,711	51,893		51,893	18,076		18,076	U
23	0603747N	Undersea Warfare Advanced Technology	03	80,323	73,636		73,636	49,276		49,276	U
24	0603758N	Navy Warfighting Experiments and Demonstrations	03	65,208	52,373		52,373	53,177		53,177	U
25	0603782N	Mine and Expeditionary Warfare Advanced Technology	03	34,570	30,256		30,256	21,941		21,941	U
		Advanced Technology Development		820,702	831,923		831,923	725,599	14,100	739,699	
26	0603207N	Air/Ocean Tactical Applications	04	65,532	118,495		118,495	123,331		123,331	U
27	0603216N	Aviation Survivability	04	15,373	27,291		27,291	9,480		9,480	U
28	0603237N	Deployable Joint Command and Control	04	6,876	9,034		9,034	4,275		4,275	U

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
29	0603254N	ASW Systems Development	04	38,370	25,553		25,553	8,249		8,249	U
30	0603261N	Tactical Airborne Reconnaissance	04	5,743	9,662		9,662	6,452		6,452	U
31	0603382N	Advanced Combat Systems Technology	04	12,071	3,662		3,662	1,658		1,658	U
32	0603502N	Surface and Shallow Water Mine Countermeasures	04	94,393	92,334		92,334	81,347		81,347	U
33	0603506N	Surface Ship Torpedo Defense	04	48,215	67,257		67,257	57,796		57,796	U
34	0603512N	Carrier Systems Development	04	178,095	175,823		175,823	93,830		93,830	U
35	0603513N	Shipboard System Component Development	04	35,748	30,224		30,224	51		51	U
36	0603525N	PILOT FISH	04	84,119	78,741		78,741	81,784		81,784	U
37	0603527N	RETRACT LARCH	04	91,183	109,023		109,023	142,858		142,858	U
38	0603536N	RETRACT JUNIPER	04	155,636	114,210		114,210	134,497		134,497	U
39	0603542N	Radiological Control	04	1,069	1,366		1,366	1,358		1,358	U
40	0603553N	Surface ASW	04	47,506	23,497		23,497	21,673		21,673	U
41	0603561N	Advanced Submarine System Development	04	153,783	549,392		549,392	608,566		608,566	U
42	0603562N	Submarine Tactical Warfare Systems	04	13,749	12,520		12,520	5,590		5,590	U
43	0603563N	Ship Concept Advanced Design	04	36,240	22,387		22,387	17,883		17,883	U
44	0603564N	Ship Preliminary Design & Feasibility Studies	04	22,884	38,197		38,197	1,796		1,796	U
45	0603570N	Advanced Nuclear Power Systems	04	157,839	258,808		258,808	366,509		366,509	U

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
46	0603573N	Advanced Surface Machinery Systems	04	3,192	20,553		20,553	5,459		5,459	U
47	0603576N	CHALK EAGLE	04	236,510	441,112		441,112	447,804		447,804	U
48	0603581N	Littoral Combat Ship (LCS)	04	372,036	422,746		422,746	226,288		226,288	U
49	0603582N	Combat System Integration	04	62,472	22,444		22,444	24,344		24,344	U
50	0603609N	Conventional Munitions	04	6,368	4,241		4,241	5,388		5,388	U
51	0603611M	Marine Corps Assault Vehicles	04	256,042	292,217		292,217	242,765		242,765	U
52	0603635M	Marine Corps Ground Combat/Support System	04	57,718	78,228		78,228	40,505		40,505	U
53	0603654N	Joint Service Explosive Ordnance Development	04	111,850	20,966		20,966	25,873	1,000	26,873	U
54	0603658N	Cooperative Engagement	04	43,424	60,334		60,334	52,282		52,282	U
55	0603713N	Ocean Engineering Technology Development	04	9,492	17,256		17,256	13,560		13,560	U
56	0603721N	Environmental Protection	04	20,557	21,372		21,372	20,207		20,207	U
57	0603724N	Navy Energy Program	04	10,271	18,918		18,918	30,403		30,403	U
58	0603725N	Facilities Improvement	04	18,034	10,039		10,039	3,746		3,746	U
59	0603734N	CHALK CORAL	04	105,673	70,327		70,327	71,920		71,920	U
60	0603739N	Navy Logistic Productivity	04	18,514	15,039		15,039	4,139		4,139	U
61	0603746N	RETRACT MAPLE	04	142,877	209,139		209,139	219,463		219,463	U
62	0603748N	LINK PLUMERIA	04	69,044	62,774		62,774	58,030		58,030	U
63	0603751N	RETRACT ELM	04	136,991	150,959		150,959	183,187		183,187	U
64	0603755N	Ship Self Defense	04	9,784	6,931		6,931	4,385		4,385	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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65	0603764N	LINK EVERGREEN	04	21,895	123,147		123,147	41,433		41,433	U
66	0603787N	Special Processes	04	59,413	53,810		53,810	36,457		36,457	U
67	0603790N	NATO Research and Development	04	10,767	10,152		10,152	9,196		9,196	U
68	0603795N	Land Attack Technology	04	15,966	6,809		6,809	905		905	U
69	0603851M	Nonlethal Weapons	04	50,424	49,086		49,086	43,272		43,272	U
70	0603860N	Joint Precision Approach and Landing Systems	04	74,060	149,680		149,680	159,151		159,151	U
71	0603879N	Single Integrated Air Picture (SIAP) System Engineer (SE)	04	40,587	52,497		52,497				U
72	0603889N	Counterdrug RDT&E Projects	04	62,439							U
73	0603925N	Directed Energy and Electric Weapon Systems	04	4,548	19,223		19,223				U
74	0604272N	Tactical Air Directional Infrared Countermeasures (TADIRCM)	04	42,832	50,484		50,484	51,693		51,693	U
75	0604653N	Joint Counter Radio Controlled IED Electronic Warfare (JCREW)	04		55,611		55,611	56,542		56,542	U
76	0604659N	Precision Strike Weapons Development Program	04		40,757		40,757	25,121		25,121	U
77	0604707N	Space and Electronic Warfare (SEW) Architecture/Engineering Support	04	46,251	40,328		40,328	34,793		34,793	U
78	0303354N	ASW Systems Development - MIP	04					2,161		2,161	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

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79	0303562N	Submarine Tactical Warfare Systems - MIP	04					4,253		4,253	U
80	0304270N	Electronic Warfare Development - MIP	04					663		663	U
		Advanced Component Development & Prot		3,384,455	4,364,655		4,364,655	3,914,371	1,000	3,915,371	
81	0604212N	Other Helo Development	05	53,264	53,868		53,868	44,329		44,329	U
82	0604214N	AV-8B Aircraft - Eng Dev	05	33,654	20,799		20,799	22,867		22,867	U
83	0604215N	Standards Development	05	67,790	59,044		59,044	45,667		45,667	U
84	0604216N	Multi-Mission Helicopter Upgrade Development	05	67,891	75,284		75,284	55,792		55,792	U
85	0604218N	Air/Ocean Equipment Engineering	05	5,362	7,454		7,454	5,735		5,735	U
86	0604221N	P-3 Modernization Program	05	3,458	3,644		3,644	3,574		3,574	U
87	0604230N	Warfare Support System	05	12,300	6,280		6,280	3,733		3,733	U
88	0604231N	Tactical Command System	05	110,568	92,379		92,379	89,955		89,955	U
89	0604234N	Advanced Hawkeye	05	468,027	361,053		361,053	171,132		171,132	U
90	0604245N	H-1 Upgrades	05	4,044	32,694		32,694	60,498		60,498	U
91	0604261N	Acoustic Search Sensors	05	38,418	56,086		56,086	64,834		64,834	U
92	0604262N	V-22A	05	66,041	76,693	1,645	78,338	46,070		46,070	U
93	0604264N	Air Crew Systems Development	05	15,675	12,513		12,513	8,689		8,689	U
94	0604269N	EA-18	05	115,724	56,809	269	57,078	22,042		22,042	U
95	0604270N	Electronic Warfare Development	05	91,418	105,193		105,193	80,819		80,819	U
96	0604273N	VH-71A Executive Helo Development	05	756,595	129,404		129,404	159,785		159,785	U

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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97	0604274N	Next Generation Jammer (NGJ)	05		117,481		117,481	120,602		120,602	U
98	0604280N	Joint Tactical Radio System - Navy (JTRS-Navy)	05	824,226	875,848		875,848	687,723		687,723	U
99	0604300N	SC-21 Total Ship System Engineering	05	506,798	7,966		7,966				U
100	0604307N	Surface Combatant Combat System Engineering	05	196,993	183,275		183,275	193,933		193,933	U
101	0604311N	LPD-17 Class Systems Integration	05	950	5,282		5,282	1,373		1,373	U
102	0604329N	Small Diameter Bomb (SDB)	05	18,918	43,717		43,717	44,091		44,091	U
103	0604366N	Standard Missile Improvements	05	222,938	167,200		167,200	96,186		96,186	U
104	0604373N	Airborne MCM	05	40,731	50,899		50,899	45,885		45,885	U
105	0604378N	Naval Integrated Fire Control - Counter Air Systems Engineering	05	12,079	11,678		11,678	21,517		21,517	U
106	0604501N	Advanced Above Water Sensors	05	124,926	251,251		251,251	274,371		274,371	U
107	0604503N	SSN-688 and Trident Modernization	05	131,196	120,779		120,779	118,897		118,897	U
108	0604504N	Air Control	05	7,967	6,506		6,506	5,665		5,665	U
109	0604512N	Shipboard Aviation Systems	05	50,356	78,496		78,496	70,117		70,117	U
110	0604518N	Combat Information Center Conversion	05	17,314	13,250		13,250	5,044		5,044	U
111	0604558N	New Design SSN	05	184,071	184,338		184,338	155,489		155,489	U
112	0604562N	Submarine Tactical Warfare System	05	64,526	67,024		67,024	50,537		50,537	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

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113	0604567N	Ship Contract Design/ Live Fire T&E	05	84,639	91,587		91,587	153,686		153,686	U
114	0604574N	Navy Tactical Computer Resources	05		4,601		4,601	4,443		4,443	U
115	0604601N	Mine Development	05	1,987	2,240		2,240	5,455		5,455	U
116	0604610N	Lightweight Torpedo Development	05	44,848	23,407		23,407	25,282		25,282	U
117	0604654N	Joint Service Explosive Ordnance Development	05	10,806	10,284		10,284	10,489		10,489	U
118	0604703N	Personnel, Training, Simulation, and Human Factors	05	5,097	6,646		6,646	10,759		10,759	U
119	0604727N	Joint Standoff Weapon Systems	05	21,821	9,980		9,980	12,567		12,567	U
120	0604755N	Ship Self Defense (Detect & Control)	05	43,772	44,374		44,374	45,930		45,930	U
121	0604756N	Ship Self Defense (Engage: Hard Kill)	05	55,323	46,044		46,044	5,860		5,860	U
122	0604757N	Ship Self Defense (Engage: Soft Kill/EW)	05	57,184	88,526		88,526	84,525		84,525	U
123	0604761N	Intelligence Engineering	05	23,705	14,378		14,378	6,820		6,820	U
124	0604771N	Medical Development	05	39,457	56,692		56,692	12,337	300	12,637	U
125	0604777N	Navigation/ID System	05	46,053	62,886		62,886	66,636		66,636	U
126	0604800M	Joint Strike Fighter (JSF) - EMD	05					667,916		667,916	U
127	0604800N	Joint Strike Fighter (JSF)	05	1,704,592	1,948,244	1,985	1,950,229	707,791		707,791	U
128	0605013M	Information Technology Development	05	33,088	9,827		9,827	22,783		22,783	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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129	0605013N	Information Technology Development	05	99,628	91,425		91,425	28,280		28,280	U
130	0605018N	Navy Integrated Military Human Resources System (N-IMHRS)	05					27,444		27,444	U
131	0605212N	CH-53K RDTE	05	543,859	522,268		522,268	577,435		577,435	U
132	0605430N	C/KC-130 Avionics Modernization Program (AMP)	05	18,922							U
133	0605450N	Joint Air-to-Ground Missile (JAGM)	05	54,972	77,412		77,412	100,846		100,846	U
134	0605500N	Multi-mission Maritime Aircraft (MMA)	05	1,089,670	1,170,527		1,170,527	929,240		929,240	U
135	0204201N	CG(X)	05		45,400		45,400				U
136	0204202N	DDG-1000	05		524,269		524,269	549,241		549,241	U
137	0304231N	Tactical Command System - MIP	05					1,318		1,318	U
138	0304503N	SSN-688 and Trident Modernization - MIP	05					1,415		1,415	U
139	0304785N	Tactical Cryptologic Systems	05	18,229	19,833		19,833	17,019		17,019	U
System Development & Demonstration				8,311,870	8,205,037	3,899	8,208,936	6,852,468	300	6,852,768	
140	0604256N	Threat Simulator Development	06	24,114	27,021		27,021	18,755		18,755	U
141	0604258N	Target Systems Development	06	76,018	79,273		79,273	66,066		66,066	U
142	0604759N	Major T&E Investment	06	51,167	51,629		51,629	37,522		37,522	U
143	0605152N	Studies and Analysis Support - Navy	06	14,817	12,321		12,321	8,149		8,149	U

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
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144	0605154N	Center for Naval Analyses	06	46,050	44,399		44,399	49,165		49,165	U
145	0605502N	Small Business Innovative Research	06	402,074	1,593		1,593				U
146	0605804N	Technical Information Services	06	16,023	20,749		20,749	662		662	U
147	0605853N	Management, Technical & International Support	06	49,255	60,181		60,181	58,329		58,329	U
148	0605856N	Strategic Technical Support	06	3,504	3,618		3,618	3,451		3,451	U
149	0605861N	RDT&E Science and Technology Management	06	70,089	70,648		70,648	72,094		72,094	U
150	0605863N	RDT&E Ship and Aircraft Support	06	172,492	192,551	1,461	194,012	95,332		95,332	U
151	0605864N	Test and Evaluation Support	06	350,514	369,154		369,154	376,418		376,418	U
152	0605865N	Operational Test and Evaluation Capability	06	12,044	11,960		11,960	15,746		15,746	U
153	0605866N	Navy Space and Electronic Warfare (SEW) Support	06	2,686	2,659		2,659	4,013	5,200	9,213	U
154	0605867N	SEW Surveillance/ Reconnaissance Support	06	25,221	20,747		20,747	19,700		19,700	U
155	0605873M	Marine Corps Program Wide Support	06	27,123	19,650		19,650	17,721		17,721	U
156	0305885N	Tactical Cryptologic Activities	06	1,993	2,454		2,454	1,859		1,859	U
157	0804758N	Service Support to JFCOM, JNTC	06	4,983	4,180		4,180	4,260		4,260	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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158	0909999N	Financing for Cancelled Account Adjustments	06	57							U
		RDT&E Management Support		1,350,224	994,787	1,461	996,248	849,242	5,200	854,442	
160	0604227N	HARPOON Modifications	07	44,350							U
161	0604402N	Unmanned Combat Air Vehicle (UCAV) Advanced Component and Prototype Development	07	266,469	304,907		304,907	266,368		266,368	U
162	0101221N	Strategic Sub & Weapons System Support	07	95,017	69,385		69,385	81,184		81,184	U
163	0101224N	SSBN Security Technology Program	07	33,029	34,336		34,336	34,997		34,997	U
164	0101226N	Submarine Acoustic Warfare Development	07	7,150	7,181		7,181	6,815		6,815	U
165	0101402N	Navy Strategic Communications	07	40,991	46,170		46,170	10,331		10,331	U
166	0203761N	Rapid Technology Transition (RTT)	07	40,493	38,963		38,963	35,120		35,120	U
167	0204136N	F/A-18 Squadrons	07	70,757	121,093		121,093	148,438		148,438	U
168	0204152N	E-2 Squadrons	07	52,327	62,796		62,796	19,011		19,011	U
169	0204163N	Fleet Telecommunications (Tactical)	07	28,031	36,799		36,799	26,894		26,894	U
170	0204229N	Tomahawk and Tomahawk Mission Planning Center (TMPC)	07	17,556	17,077		17,077	10,587		10,587	U
171	0204311N	Integrated Surveillance System	07	28,677	26,225		26,225	23,464		23,464	U
172	0204413N	Amphibious Tactical Support Units (Displacement Craft)	07	2,271	2,314		2,314	4,357		4,357	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

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173	0204571N	Consolidated Training Systems Development	07	24,646	41,511		41,511	50,750		50,750	U
174	0204574N	Cryptologic Direct Support	07	1,437	1,602		1,602	1,519		1,519	U
175	0204575N	Electronic Warfare (EW) Readiness Support	07	23,537	37,368		37,368	39,398		39,398	U
176	0205601N	HARM Improvement	07	39,261	29,920		29,920	14,207		14,207	U
177	0205604N	Tactical Data Links	07	4,053	14,948		14,948	28,854		28,854	U
178	0205620N	Surface ASW Combat System Integration	07	21,807	41,630		41,630	32,877		32,877	U
179	0205632N	MK-48 ADCAP	07	25,994	34,235		34,235	26,234		26,234	U
180	0205633N	Aviation Improvements	07	95,112	134,612		134,612	133,611		133,611	U
181	0205658N	Navy Science Assistance Program	07	6,152	3,701		3,701	3,535		3,535	U
182	0205675N	Operational Nuclear Power Systems	07	71,382	71,732		71,732	74,229		74,229	U
183	0206313M	Marine Corps Communications Systems	07	356,571	279,222		279,222	245,298		245,298	U
184	0206623M	Marine Corps Ground Combat/Supporting Arms Systems	07	103,050	108,857		108,857	100,424		100,424	U
185	0206624M	Marine Corps Combat Services Support	07	10,307	20,479		20,479	19,466		19,466	U
186	0206625M	USMC Intelligence/Electronic Warfare Systems (MIP)	07		29,776		29,776	20,316		20,316	U
187	0207161N	Tactical AIM Missiles	07	8,419	2,288		2,288	912		912	U
188	0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	07	6,902	3,589		3,589	2,633		2,633	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

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189	0208058N	Joint High Speed Vessel (JHSV)	07	11,594	8,396		8,396	3,586		3,586	U
194	0303109N	Satellite Communications (SPACE)	07	625,193	471,917		471,917	422,268		422,268	U
195	0303138N	Consolidated Afloat Network Enterprise Services (CANES)	07		45,324		45,324	63,563		63,563	U
196	0303140N	Information Systems Security Program	07	31,828	29,049		29,049	25,934		25,934	U
197	0303158M	Joint Command and Control Program (JC2)	07	1,849							U
198	0303158N	Joint Command and Control Program (JC2)	07	4,045							U
199	0303238N	Consolidated Afloat Network Enterprise Services (CANES) - MIP	07					8,375		8,375	U
201	0305149N	COBRA JUDY	07	100,814	61,804		61,804	36,527		36,527	U
202	0305160N	Navy Meteorological and Ocean Sensors-Space (METOC)	07	7,673	28,774		28,774	63,878		63,878	U
203	0305192N	Military Intelligence Program (MIP) Activities	07	4,579	6,386		6,386	4,435		4,435	U
204	0305204N	Tactical Unmanned Aerial Vehicles	07	53,493	8,834		8,834	35,212		35,212	U
205	0305205N	Endurance Unmanned Aerial Vehicles	07	423,996							U
206	0305206N	Airborne Reconnaissance Systems	07	58,793	55,327		55,327				U
207	0305207N	Manned Reconnaissance Systems	07	62,753	36,716		36,716	19,263		19,263	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
208	0305208M	Distributed Common Ground/Surface Systems	07					8,377		8,377	U
209	0305208N	Distributed Common Ground/Surface Systems	07	44,222	12,228		12,228	16,665		16,665	U
210	0305220N	RQ-4 UAV	07		439,010		439,010	529,250		529,250	U
211	0305231N	MQ-8 UAV	07		25,533		25,533	10,665		10,665	U
212	0305232M	RQ-11 UAV	07		551		551	512		512	U
213	0305233N	RQ-7 UAV	07		982		982	934	6,900	7,834	U
214	0305234M	Small (Level 0) Tactical UAS (STUASL0)	07		18,685		18,685	26,209		26,209	U
215	0305234N	Small (Level 0) Tactical UAS (STUASL0)	07		23,496		23,496	18,098		18,098	U
216	0307207N	Aerial Common Sensor (ACS)	07	34,235							U
217	0307217N	EP-3E Replacement (EPX)	07		11,926		11,926				U
218	0308601N	Modeling and Simulation Support	07	7,737	7,995		7,995	8,158		8,158	U
219	0702207N	Depot Maintenance (Non-IF)	07	9,839	14,614		14,614	18,649		18,649	U
220	0702239N	Avionics Component Improvement Program	07	1,772	3,511		3,511	3,250		3,250	U
221	0708011N	Industrial Preparedness	07	59,976	74,880		74,880	46,173		46,173	U
222	0708730N	Maritime Technology (MARITECH)	07		4,083		4,083				U
9999	9999999999	Classified Programs		1,495,793	1,289,843		1,289,843	1,284,901	32,901	1,317,802	U
		Operational Systems Development		4,565,932	4,302,580		4,302,580	4,116,711	39,801	4,156,512	
Total Research, Development, Test & Eval, Navy				19,733,741	19,967,146	5,360	19,972,506	17,693,496	60,401	17,753,897	

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 Summary
 (Dollars in Thousands)

Feb 2010

<u>Summary Recap of Budget Activities</u>	<u>FY 2009</u> <u>(Base & OCO)</u>	<u>FY 2010</u> <u>Base & OCO</u> <u>Enacted</u>	<u>FY 2010</u> <u>Supplemental</u> <u>Request</u>	<u>FY 2010</u> <u>Total</u>	<u>FY 2011</u> <u>Base</u>	<u>FY 2011</u> <u>OCO</u>	<u>FY 2011</u> <u>Total Request</u>
Applied Research	1,944						
Advanced Component Development & Prototypes	61,236						
Management Support	2,100						
Operational Systems Development	9,720						
Total Research, Development, Test & Eval, Navy,	75,000						
 <u>Summary Recap of FYDP Programs</u>							
Research and Development	75,000						
Total Research, Development, Test & Eval, Navy,	75,000						

UNCLASSIFIED

Department of the Navy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

Appropriation: 1320N Research, Development, Test & Eval, Navy, RA

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
1	0632012N	Plasma Fusion (Polywell)	02	1,944							U
		Applied Research		1,944							
2	0634201N	Hybrid Electric Drive System Development for Surface Combatants	04	26,244							U
3	0634202N	F18 Engine Efficiency Improvements	04	15,552							U
4	0634203N	Ocean and Wave Energy Utilization - OTEC	04	8,554							U
5	0634204N	Alternative Test Fuel and Cert Protocol Acceleration	04	5,152							U
6	0634205N	Aircraft Energy Conservation RDTE Program	04	1,458							U
7	0634208N	Navy Shipboard Energy Program	04	1,652							U
8	0634210N	Advanced High Energy HVAC System	04	2,624							U
		Advanced Component Development & Prot		61,236							
9	0636016N	SBIR/STTR	06	2,100							U
		Management Support		2,100							
10	0637206M	On-Board Vehicle Power	07	3,888							U
11	0637208M	Improved Environmental Control Equipment	07	3,402							U
12	0637209M	Integrated Generator / Environmental Control	07	2,430							U
		Operational Systems Development		9,720							
Total Research, Development, Test & Eval, Navy,				75,000							

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 Summary
 (Dollars in Thousands)

Feb 2010

<u>Summary Recap of Budget Activities</u>	<u>FY 2009 (Base & OCO)</u>	<u>FY 2010 Base & OCO Enacted</u>	<u>FY 2010 Supplemental Request</u>	<u>FY 2010 Total</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total Request</u>
Basic Research	446,388	482,776		482,776	500,473		500,473
Applied Research	1,190,223	1,221,221		1,221,221	1,181,420		1,181,420
Advanced Technology Development	717,735	758,667		758,667	509,305		509,305
Advanced Component Development & Prototypes	2,242,097	1,841,754		1,841,754	1,503,007	16,000	1,519,007
System Development & Demonstration	3,995,427	3,844,675		3,844,675	3,549,475	30,000	3,579,475
RDT&E Management Support	1,484,616	1,062,440	3,291	1,065,731	1,084,374		1,084,374
Operational Systems Development	16,615,291	18,770,188		18,954,548	18,919,248	220,241	19,139,489
Total Research, Development, Test & Eval, AF	26,691,777	27,981,721	187,651	28,169,372	27,247,302	266,241	27,513,543
 <u>Summary Recap of FYDP Programs</u>							
Strategic Forces	85,534	731,044		731,044	500,974		500,974
General Purpose Forces	2,315,375	2,467,564		2,467,564	2,542,733	4,443	2,547,176
Intelligence and Communications	2,372,609	2,804,119		2,804,119	2,972,917	6,100	2,979,017
Mobility Forces	563,770	524,219		524,219	544,547	10,325	554,872
Research and Development	9,312,534	8,936,341	3,291	8,939,632	7,938,100	46,000	7,984,100
Central Supply and Maintenance	277,356	312,881		312,881	260,237		260,237
Training Medical and Other	7,443	7,360		7,360	2,336		2,336
Administration and Associated Activities	65,903	106,410		106,410	74,913		74,913
Support of Other Nations	3,789	3,748		3,748	3,764		3,764
Classified Programs	11,687,464	12,088,035	184,360	12,272,395	12,406,781	199,373	12,606,154
Total Research, Development, Test & Eval, AF	26,691,777	27,981,721	187,651	28,169,372	27,247,302	266,241	27,513,543

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
1	0601102F	Defense Research Sciences	01	299,830	328,471		328,471	350,978		350,978	U
2	0601103F	University Research Initiatives	01	133,526	141,524		141,524	136,297		136,297	U
3	0601108F	High Energy Laser Research Initiatives	01	13,032	12,781		12,781	13,198		13,198	U
		Basic Research		446,388	482,776		482,776	500,473		500,473	
4	0602102F	Materials	02	185,583	179,202		179,202	137,273		137,273	U
5	0602201F	Aerospace Vehicle Technologies	02	119,544	138,563		138,563	144,699		144,699	U
6	0602202F	Human Effectiveness Applied Research	02	93,954	93,527		93,527	87,452		87,452	U
7	0602203F	Aerospace Propulsion	02	244,890	221,503		221,503	207,049		207,049	U
8	0602204F	Aerospace Sensors	02	130,902	136,012		136,012	157,497		157,497	U
9	0602601F	Space Technology	02	136,072	119,125		119,125	111,857		111,857	U
10	0602602F	Conventional Munitions	02	56,596	58,044		58,044	61,330		61,330	U
11	0602605F	Directed Energy Technology	02	60,233	105,231		105,231	103,596		103,596	U
12	0602702F	Command Control and Communications	02	114,510							U
13	0602788F	Dominant Information Sciences and Methods	02		116,785		116,785	117,283		117,283	U
14	0602890F	High Energy Laser Research	02	47,939	53,229		53,229	53,384		53,384	U
		Applied Research		1,190,223	1,221,221		1,221,221	1,181,420		1,181,420	
15	0603112F	Advanced Materials for Weapon Systems	03	62,070	67,856		67,856	33,414		33,414	U
16	0603199F	Sustainment Science and Technology (S&T)	03		2,943		2,943	2,935		2,935	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
17	0603203F	Advanced Aerospace Sensors	03	69,902	52,786		52,786	44,677		44,677	U
18	0603211F	Aerospace Technology Dev/ Demo	03	41,748	88,226		88,226	53,588		53,588	U
19	0603216F	Aerospace Propulsion and Power Technology	03	175,292	192,241		192,241	136,135		136,135	U
20	0603231F	Crew Systems and Personnel Protection Technology	03	35,742							U
21	0603270F	Electronic Combat Technology	03	29,364	32,056		32,056	16,992		16,992	U
22	0603401F	Advanced Spacecraft Technology	03	97,834	98,708		98,708	83,705		83,705	U
23	0603444F	Maui Space Surveillance System (MSSS)	03	36,093	36,661		36,661	5,899		5,899	U
24	0603456F	Human Effectiveness Advanced Technology Development	03		27,390		27,390	24,814		24,814	U
25	0603601F	Conventional Weapons Technology	03	16,771	14,296		14,296	15,755		15,755	U
26	0603605F	Advanced Weapons Technology	03	61,420	44,794		44,794	17,461		17,461	U
27	0603680F	Manufacturing Technology Program	03	54,614	50,502		50,502	39,701		39,701	U
28	0603788F	Battlespace Knowledge Development and Demonstration	03		46,414		46,414	32,382		32,382	U
29	0603789F	C3I Advanced Development	03	32,986							U

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
30	0603924F	High Energy Laser Advanced Technology Program	03	3,899	3,794		3,794	1,847		1,847	U
		Advanced Technology Development		717,735	758,667		758,667	509,305		509,305	
31	0603260F	Intelligence Advanced Development	04	6,570	5,809		5,809	5,019		5,019	U
32	0603287F	Physical Security Equipment	04	1,659	3,615		3,615	3,576		3,576	U
33	0603423F	Global Positioning System III - Operational Control Segment	04	289,702							U
34	0603430F	Advanced EHF MILSATCOM (SPACE)	04	460,351	461,380		461,380	351,817		351,817	U
35	0603432F	Polar MILSATCOM (SPACE)	04	221,065	252,071		252,071	164,232		164,232	U
36	0603438F	Space Control Technology	04	86,110	100,951		100,951	45,012	16,000	61,012	U
37	0603742F	Combat Identification Technology	04	28,708	28,799		28,799	26,172		26,172	U
38	0603790F	NATO Research and Development	04	4,241	4,351		4,351	4,372		4,372	U
39	0603791F	International Space Cooperative R&D	04	603	632		632	635		635	U
40	0603830F	Space Protection Program (SPP)	04					8,349		8,349	U
41	0603845F	Transformational SATCOM (TSAT)	04	428,618							U
42	0603850F	Integrated Broadcast Service	04	21,020	20,646		20,646	20,580		20,580	U
43	0603851F	Intercontinental Ballistic Missile	04	58,937	68,097		68,097	66,745		66,745	U

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
44	0603854F	Wideband Global SATCOM RDT&E (Space)	04	29,520	70,650		70,650	36,123		36,123	U
45	0603859F	Pollution Prevention	04	13,565	10,396		10,396	2,534		2,534	U
46	0603860F	Joint Precision Approach and Landing Systems	04	7,153	22,953		22,953	13,952		13,952	U
47	0604015F	Next Generation Bomber	04					198,957		198,957	U
48	0604283F	Battle Mgmt Com & Ctrl Sensor Development	04		22,612		22,612				U
49	0604327F	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	04	28,310	20,891		20,891	22,389		22,389	U
50	0604330F	Joint Dual Role Air Dominance Missile	04		6,882		6,882	9,799		9,799	U
51	0604337F	Requirements Analysis and Maturation	04		35,533		35,533	34,339		34,339	U
52	0604436F	Next-Generation MILSATCOM Technology Development	04		50,000		50,000				U
53	0604635F	Ground Attack Weapons Fuze Development	04		18,778		18,778	32,513		32,513	U
54	0604796F	Alternative Fuels	04	30,283	73,020		73,020	24,064		24,064	U
55	0604830F	Automated Air-to-Air Refueling	04	9,610	43,158		43,158	85		85	U
56	0604857F	Operationally Responsive Space	04	228,540	124,308		124,308	93,978		93,978	U
57	0604858F	Tech Transition Program	04		9,611		9,611	12,260		12,260	U

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
58	0305178F	National Polar-Orbiting Operational Environmental Satellite System (NPOESS)	04	287,532	386,611		386,611	325,505		325,505	U
		Advanced Component Development & Prot		2,242,097	1,841,754		1,841,754	1,503,007	16,000	1,519,007	
59	0603840F	Global Broadcast Service (GBS)	05	17,475	31,072		31,072	18,171		18,171	U
60	0604222F	Nuclear Weapons Support	05	19,845	41,860		41,860	60,545		60,545	U
61	0604226F	B-1B	05	158,081							U
62	0604233F	Specialized Undergraduate Flight Training	05	11,801	10,862		10,862	8,066		8,066	U
63	0604240F	B-2 Advanced Technology Bomber	05	384,190							U
64	0604270F	Electronic Warfare Development	05	66,321	80,275		80,275	89,966		89,966	U
65	0604280F	Joint Tactical Radio	05					631		631	U
66	0604281F	Tactical Data Networks Enterprise	05		87,444		87,444	102,941	30,000	132,941	U
67	0604287F	Physical Security Equipment	05	51	50		50	50		50	U
68	0604329F	Small Diameter Bomb (SDB)	05	122,568	155,415		155,415	153,505		153,505	U
69	0604421F	Counterspace Systems	05	64,318	63,838		63,838	40,276		40,276	U
70	0604425F	Space Situation Awareness Systems	05	211,266	238,377		238,377	426,525		426,525	U
71	0604429F	Airborne Electronic Attack	05	42,173	11,107		11,107	25,937		25,937	U
72	0604441F	Space Based Infrared System (SBIRS) High EMD	05	542,404	521,156		521,156	530,047		530,047	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
73	0604443F	Third Generation Infrared Surveillance (3GIRS)	05	953	73,369		73,369				U
74	0604602F	Armament/Ordnance Development	05	12,088	18,671		18,671	6,693		6,693	U
75	0604604F	Submunitions	05	1,719	1,784		1,784	1,622		1,622	U
76	0604617F	Agile Combat Support	05	4,518	11,261		11,261	37,987		37,987	U
77	0604706F	Life Support Systems	05	14,907	14,331		14,331	10,650		10,650	U
78	0604735F	Combat Training Ranges	05	12,241	22,718		22,718	36,905		36,905	U
79	0604740F	Integrated Command & Control Applications (IC2A)	05	9,700	6,910		6,910	10		10	U
80	0604750F	Intelligence Equipment	05	2,282	1,495		1,495	1,364		1,364	U
81	0604800F	Joint Strike Fighter (JSF)	05	1,743,569	2,072,897		2,072,897	883,773		883,773	U
82	0604851F	Intercontinental Ballistic Missile	05		60,010		60,010	71,843		71,843	U
83	0604853F	Evolved Expendable Launch Vehicle Program (SPACE)	05	43,628	46,545		46,545	30,245		30,245	U
84	0605011F	RDT&E for Aging Aircraft	05	5,808							U
85	0605221F	Next Generation Aerial Refueling Aircraft	05	22,629	15,000		15,000	863,875		863,875	U
86	0605229F	CSAR HH-60 Recapitalization	05					12,584		12,584	U
87	0605277F	CSAR-X RDT&E	05	15,000	14,975		14,975				U
88	0605278F	HC/MC-130 Recap RDT&E	05	11,336	20,582		20,582	15,536		15,536	U
89	0605452F	Joint SIAP Executive Program Office	05		14,877		14,877				U

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
90	0207434F	Link-16 Support and Sustainment	05	278,961	65,619		65,619				U
91	0207451F	Single Integrated Air Picture (SIAP)	05	49,564	13,399		13,399	1,832		1,832	U
92	0207701F	Full Combat Mission Training	05	77,362	79,807		79,807	57,393		57,393	U
93	0305176F	Combat Survivor Evader Locator	05	12,500							U
94	0401138F	Joint Cargo Aircraft (JCA)	05	16,271	9,353		9,353	26,407		26,407	U
95	0401318F	CV-22	05	17,992	19,640		19,640	18,270		18,270	U
96	0401845F	Airborne Senior Leader C3 (SLC3S)	05	1,906	19,976		19,976	15,826		15,826	U
System Development & Demonstration				3,995,427	3,844,675		3,844,675	3,549,475	30,000	3,579,475	
97	0604256F	Threat Simulator Development	06	33,951	23,331		23,331	21,245		21,245	U
98	0604759F	Major T&E Investment	06	67,898	67,797		67,797	61,587		61,587	U
99	0605101F	RAND Project Air Force	06	37,674	29,101		29,101	26,752		26,752	U
100	0605502F	Small Business Innovation Research	06	375,035							U
101	0605712F	Initial Operational Test & Evaluation	06	29,085	25,833		25,833	20,665		20,665	U
102	0605807F	Test and Evaluation Support	06	756,327	746,465	3,291	749,756	759,868		759,868	U
103	0605860F	Rocket Systems Launch Program (SPACE)	06	16,853	14,637		14,637	23,551		23,551	U
104	0605864F	Space Test Program (STP)	06	44,707	46,721		46,721	47,623		47,623	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
105	0605976F	Facilities Restoration and Modernization - Test and Evaluation Support	06	47,339	54,809		54,809	46,327		46,327	U
106	0605978F	Facilities Sustainment - Test and Evaluation Support	06	29,618	29,683		29,683	27,579		27,579	U
107	0606323F	Multi-Service Systems Engineering Initiative	06					18,901		18,901	U
108	0702806F	Acquisition and Management Support	06	41,053	18,865		18,865	24,968		24,968	U
109	0804731F	General Skill Training	06	1,215	1,450		1,450	1,544		1,544	U
110	0909999F	Financing for Cancelled Account Adjustments	06	72							U
111	1001004F	International Activities	06	3,789	3,748		3,748	3,764		3,764	U
		RDT&E Management Support		1,484,616	1,062,440	3,291	1,065,731	1,084,374		1,084,374	
112	0603423F	Global Positioning System III - Operational Control Segment	07		292,000		292,000				U
113	0604263F	Common Vertical Lift Support Platform	07	3,858	4,000		4,000				U
114	0605018F	Air Force Integrated Military Human Resources System (AF-IMHRS)	07					43,300		43,300	U
115	0605024F	Anti-Tamper Technology Executive Agency	07	20,407	47,276		47,276	42,255		42,255	U
117	0101113F	B-52 Squadrons	07	39,835	102,330		102,330	146,096		146,096	U
118	0101122F	Air-Launched Cruise Missile (ALCM)	07	384	3,652		3,652	3,631		3,631	U
119	0101126F	B-1B Squadrons	07		143,360		143,360	33,234		33,234	U
120	0101127F	B-2 Squadrons	07		407,189		407,189	260,466		260,466	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
121	0101313F	Strat War Planning System - USSTRATCOM	07	17,013	33,746		33,746	28,441		28,441	U
122	0101314F	Night Fist - USSTRATCOM	07	5,136	5,328		5,328	5,359		5,359	U
124	0102325F	Atmospheric Early Warning System	07		9,832		9,832				U
125	0102326F	Region/Sector Operation Control Center Modernization Program	07	23,151	25,589		25,589	23,732		23,732	U
126	0102823F	Strategic Aerospace Intelligence System Activities	07	15	18		18	15		15	U
127	0203761F	Warfighter Rapid Acquisition Process (WRAP) Rapid Transition Fund	07	29,928	11,968		11,968	10,580		10,580	U
128	0205219F	MQ-9 UAV	07	57,205	93,145		93,145	125,427		125,427	U
129	0207040F	Multi-Platform Electronic Warfare Equipment	07		14,747		14,747	15,574		15,574	U
130	0207131F	A-10 Squadrons	07	3,989	12,197		12,197	5,661		5,661	U
131	0207133F	F-16 Squadrons	07	123,733	142,620		142,620	129,103		129,103	U
132	0207134F	F-15E Squadrons	07	203,816	319,967		319,967	222,677		222,677	U
133	0207136F	Manned Destructive Suppression	07	5,413	9,748		9,748	12,937		12,937	U
134	0207138F	F-22A Squadrons	07	579,710	569,345		569,345	576,330		576,330	U
135	0207142F	F-35 Squadrons	07					217,561		217,561	U
136	0207161F	Tactical AIM Missiles	07	5,585	5,915		5,915	6,040		6,040	U
137	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	07	43,633	49,971		49,971	62,922		62,922	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
138	0207170F	Joint Helmet Mounted Cueing System (JHMCS)	07	3,095	2,529		2,529	2,407		2,407	U
139	0207224F	Combat Rescue and Recovery	07					944		944	U
140	0207227F	Combat Rescue - Pararescue	07		2,950		2,950	2,921		2,921	U
141	0207247F	AF TENCAP	07	11,547	11,643		11,643	11,648		11,648	U
142	0207249F	Precision Attack Systems Procurement	07		2,950		2,950	3,017		3,017	U
143	0207253F	Compass Call	07	4,526	13,019		13,019	20,652		20,652	U
144	0207268F	Aircraft Engine Component Improvement Program	07	146,359	139,689		139,689	147,396		147,396	U
145	0207277F	ISR Innovations	07		11,261		11,261				U
146	0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	07	32,131	29,494		29,494	20,000		20,000	U
147	0207410F	Air & Space Operations Center (AOC)	07	95,908	101,587		101,587	93,102		93,102	U
148	0207412F	Control and Reporting Center (CRC)	07	18,688	52,177		52,177	58,313		58,313	U
149	0207417F	Airborne Warning and Control System (AWACS)	07	122,425	175,514		175,514	239,755		239,755	U
150	0207418F	Tactical Airborne Control Systems	07	1,486							U
151	0207423F	Advanced Communications Systems	07	28,210	73,009		73,009	67,532		67,532	U
153	0207431F	Combat Air Intelligence System Activities	07		1,475		1,475	3,310		3,310	U
154	0207438F	Theater Battle Management (TBM) C4I	07	18,845	19,033		19,033	15,170		15,170	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
155	0207445F	Fighter Tactical Data Link	07	55,069	66,872		66,872	85,492		85,492	U
156	0207446F	Bomber Tactical Data Link	07	21,603							U
157	0207448F	C2ISR Tactical Data Link	07	1,671	1,659		1,659	1,584		1,584	U
158	0207449F	Command and Control (C2) Constellation	07	30,832	30,293		30,293	24,229		24,229	U
159	0207581F	Joint Surveillance/Target Attack Radar System (JSTARS)	07	97,625	185,616		185,616	168,917		168,917	U
160	0207590F	Seek Eagle	07	21,355	22,071		22,071	19,263		19,263	U
161	0207601F	USAF Modeling and Simulation	07	28,062	27,161		27,161	21,638		21,638	U
162	0207605F	Wargaming and Simulation Centers	07	3,752	7,018		7,018	6,020		6,020	U
163	0207697F	Distributed Training and Exercises	07	6,918	6,740		6,740	2,863		2,863	U
164	0208006F	Mission Planning Systems	07	94,589	81,577		81,577	79,112	4,443	83,555	U
165	0208021F	Information Warfare Support	07	11,780	13,779		13,779	2,294		2,294	U
166	0208059F	Cyber Command Activities	07					1,117		1,117	U
173	0301400F	Space Superiority Intelligence	07					10,006		10,006	U
174	0302015F	E-4B National Airborne Operations Center (NAOC)	07	158	26,107		26,107	12,532		12,532	U
175	0303131F	Minimum Essential Emergency Communications Network (MEECN)	07	81,095	72,360		72,360	78,784		78,784	U
176	0303140F	Information Systems Security Program	07	162,815	165,401		165,401	140,017		140,017	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
177	0303141F	Global Combat Support System	07	8,613	3,319		3,319	3,393		3,393	U
178	0303150F	Global Command and Control System	07	3,124	6,279		6,279	3,055		3,055	U
179	0303158F	Joint Command and Control Program (JC2)	07	3,140				2,157		2,157	U
180	0303601F	MILSATCOM Terminals	07	277,501	253,818		253,818	186,582		186,582	U
182	0304260F	Airborne SIGINT Enterprise	07	170,714	166,989		166,989	149,268		149,268	U
185	0305099F	Global Air Traffic Management (GATM)	07	10,584	5,654		5,654	5,708		5,708	U
186	0305103F	Cyber Security Initiative	07	2,020	2,065		2,065	2,030		2,030	U
187	0305105F	DoD Cyber Crime Center	07					279		279	U
188	0305110F	Satellite Control Network (SPACE)	07	54,547	20,825		20,825	21,667		21,667	U
189	0305111F	Weather Service	07	45,918	33,291		33,291	32,373		32,373	U
190	0305114F	Air Traffic Control, Approach, and Landing System (ATCALs)	07	8,796	11,313		11,313	33,268		33,268	U
191	0305116F	Aerial Targets	07	10,970	54,807		54,807	63,573		63,573	U
194	0305128F	Security and Investigative Activities	07	1,962	742		742	469		469	U
196	0305146F	Defense Joint Counterintelligence Activities	07	39	39		39	40		40	U
198	0305164F	NAVSTAR Global Positioning System (User Equipment) (SPACE)	07	121,798	137,163		137,163	165,936		165,936	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
199	0305165F	NAVSTAR Global Positioning System (Space and Control Segments)	07	86,648	51,197		51,197	34,471		34,471	U
201	0305173F	Space and Missile Test and Evaluation Center	07	1,920	3,593		3,593	4,572		4,572	U
202	0305174F	Space Warfare Center	07	2,890	2,961		2,961	2,929		2,929	U
203	0305182F	Spacelift Range System (SPACE)	07	13,322	9,915		9,915	9,933		9,933	U
204	0305193F	Intelligence Support to Information Operations (IO)	07	3,627	2,240		2,240	1,254		1,254	U
205	0305205F	Endurance Unmanned Aerial Vehicles	07		48,736		48,736				U
206	0305206F	Airborne Reconnaissance Systems	07	111,170	145,413		145,413	168,963		168,963	U
207	0305207F	Manned Reconnaissance Systems	07	17,811	14,846		14,846	15,337		15,337	U
208	0305208F	Distributed Common Ground/Surface Systems	07	75,251	82,404		82,404	93,398		93,398	U
209	0305219F	MQ-1 Predator A UAV	07	38,605	35,160		35,160	28,913		28,913	U
210	0305220F	RQ-4 UAV	07	279,164	317,268		317,268	251,318		251,318	U
211	0305221F	Network-Centric Collaborative Targeting	07	8,783	8,160		8,160	7,267	6,100	13,367	U
212	0305265F	GPS III Space Segment	07	379,046	423,466		423,466	828,171		828,171	U
213	0305614F	JSpOC Mission System	07		136,271		136,271	132,706		132,706	U
214	0305887F	Intelligence Support to Information Warfare	07	5,251	5,220		5,220	5,512		5,512	U
215	0305913F	NUDET Detection System (SPACE)	07	41,102	83,846		83,846	72,199		72,199	U

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
216	0305924F	National Security Space Office	07	7,512				10,630		10,630	U
217	0305940F	Space Situation Awareness Operations	07	15,579	53,805		53,805	43,838		43,838	U
218	0307141F	Information Operations Technology Integration & Tool Development	07	18,042	29,788		29,788	21,912		21,912	U
219	0308699F	Shared Early Warning (SEW)	07	3,060	3,047		3,047	2,952		2,952	U
220	0401115F	C-130 Airlift Squadron	07	156,010	109,250		109,250	113,107		113,107	U
221	0401119F	C-5 Airlift Squadrons (IF)	07	110,191	85,266		85,266	58,990		58,990	U
222	0401130F	C-17 Aircraft (IF)	07	182,754	161,855		161,855	177,212		177,212	U
223	0401132F	C-130J Program	07	25,190	30,019		30,019	26,770		26,770	U
224	0401134F	Large Aircraft IR Countermeasures (LAIRCM)	07	22,490	26,784		26,784	17,227		17,227	U
225	0401218F	KC-135s	07	11,917	10,220		10,220	20,453		20,453	U
226	0401219F	KC-10s	07	3,800	35,586		35,586	56,669		56,669	U
227	0401314F	Operational Support Airlift	07		4,916		4,916	4,988		4,988	U
228	0401315F	C-STOL Aircraft	07					1,283		1,283	U
229	0401839F	Air Mobility Tactical Data Link	07	7,700							U
230	0408011F	Special Tactics / Combat Control	07	7,549	11,354		11,354	7,345	10,325	17,670	U
231	0702207F	Depot Maintenance (Non-IF)	07	1,489	1,508		1,508	1,514		1,514	U
232	0702976F	Facilities Restoration & Modernization - Logistics	07	44,778	8,000		8,000				U

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
233	0708012F	Logistics Support Activities	07	23,042							U
234	0708610F	Logistics Information Technology (LOGIT)	07	144,861	246,250		246,250	227,614		227,614	U
235	0708611F	Support Systems Development	07	22,133	38,258		38,258	6,141		6,141	U
236	0804743F	Other Flight Training	07	2,000	805		805	667		667	U
237	0804757F	Joint National Training Center	07	3,115	3,220		3,220	9		9	U
238	0804772F	Training Developments	07		1,769		1,769				U
239	0808716F	Other Personnel Activities	07	1,113	116		116	116		116	U
240	0901202F	Joint Personnel Recovery Agency	07	5,590	11,376		11,376	6,107		6,107	U
241	0901212F	Service-Wide Support (Not Otherwise Accounted For)	07	3,648							U
242	0901218F	Civilian Compensation Program	07	14,647	8,174		8,174	7,811		7,811	U
243	0901220F	Personnel Administration	07	18,947	30,969		30,969	11,179		11,179	U
244	0901538F	Financial Management Information Systems Development	07	22,999	55,891		55,891	49,816		49,816	U
9999	9999999999	Classified Programs		11,687,464	12,088,035	184,360	12,272,395	12,406,781	199,373	12,606,154	U
		Operational Systems Development		16,615,291	18,770,188		18,954,548	18,919,248	220,241	19,139,489	
		Total Research, Development, Test & Eval, AF		26,691,777	27,981,721	187,651	28,169,372	27,247,302	266,241	27,513,543	

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 Summary
 (Dollars in Thousands)

Feb 2010

<u>Summary Recap of Budget Activities</u>	FY 2009 (Base & OCO)	FY 2010 Base & OCO <u>Enacted</u>	FY 2010 Supplemental <u>Request</u>	FY 2010 <u>Total</u>	FY 2011 <u>Base</u>	FY 2011 <u>OCO</u>	FY 2011 <u>Total Request</u>
Basic Research	2,916						
Applied Research	45,684						
Advanced technology development	13,608						
Management Support	2,100						
Operational system development	10,692						
Total Research, Development, Test & Eval, AF, R	75,000						
 <u>Summary Recap of FYDP Programs</u>							
Research and Development	75,000						
Total Research, Development, Test & Eval, AF, R	75,000						

UNCLASSIFIED

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

Appropriation: 3605F Research, Development, Test & Eval, AF, RA

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
1	0601901F	Nanoscale Additives for Novel Fuels	01	2,916							U
		Basic Research		2,916							
2	0602902F	Improved Transparent Conductors for Solar Cell Applications	02	972							U
3	0602903F	Aft-Body Drag Reduction	02	6,804							U
4	0602904F	Highly Efficient Embedded turbine Engine (HEETE)	02	4,860							U
5	0602905F	Adaptive Versatile Engine Technology (ADVENT)	02	5,832							U
6	0602906F	Energy Efficient Small Scale Propulsion and Power (ESSP)	02	4,860							U
7	0602907F	Hybrid Electric UAV High Endurance Renewable Propulsion and Power System	02	4,860							U
8	0602908F	Ultra-high efficiency multijunction solar cells for space and terrestrial concen	02	17,496							U
		Applied Research		45,684							
9	0603930F	Materials for Green Propulsion	03	5,832							U
10	0603931F	Global Solar Prediction Model for Airbase Renewable Energy Design and Simulation	03	972							U
11	0603932F	Deployable Multi-Fuels Electric Generator	03	1,944							U

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

Appropriation: 3605F Research, Development, Test & Eval, AF, RA

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
12	0603933F	Greenhouse Gas Lifecycle Analysis for 2nd and 3rd-Generation Biomass-Derived Avi	03	1,944							U
13	0603934F	Toxicology Assessment of Biomass-Derived Aviation Fuels	03	972							U
14	0603939F	Development and Demonstration of High Efficiency Portable Fuel Cells	03	1,944							U
		Advanced technology development		13,608							
15	0606016F	SBIR/STTR	06	2,100							U
		Management Support		2,100							
16	0607916F	High Concentration Anaerobic Bioreactor	07	5,832							U
17	0607917F	Demonstration of Self Sustaining Energy Technology for Basic Expeditionary Airfi	07	4,860							U
		Operational system development		10,692							
Total Research, Development, Test & Eval, AF, R				75,000							

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 Summary
 (Dollars in Thousands)

Feb 2010

<u>Summary Recap of Budget Activities</u>	<u>FY 2009 (Base & OCO)</u>	<u>FY 2010 Base & OCO Enacted</u>	<u>FY 2010 Supplemental Request</u>	<u>FY 2010 Total</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total Request</u>
Tanker Replacement Transfer Fund, AF		291,715		291,715			
Total Tanker Replacement Transfer Fund, AF		291,715		291,715			
 <u>Summary Recap of FYDP Programs</u>							
Research and Development		291,715		291,715			
Total Tanker Replacement Transfer Fund, AF		291,715		291,715			

UNCLASSIFIED

Department of the Air Force
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

Appropriation: 3024F Tanker Replacement Transfer Fund, AF

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Section
1	0605221F	Next Generation Aerial Refueling Aircraft	01		291,715		291,715				U
		Tanker Replacement Transfer Fund, AF		-----	291,715	-----	291,715	-----	-----	-----	
		Total Tanker Replacement Transfer Fund, AF		-----	291,715	-----	291,715	-----	-----	-----	

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 Summary
 (Dollars in Thousands)

Feb 2010

<u>Summary Recap of Budget Activities</u>	<u>FY 2009 (Base & OCO)</u>	<u>FY 2010 Base & OCO Enacted</u>	<u>FY 2010 Supplemental Request</u>	<u>FY 2010 Total</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total Request</u>
Basic Research	361,931	409,621		409,621	535,026		535,026
Applied Research	1,798,748	1,761,150		1,761,150	1,774,358		1,774,358
Advanced Technology Development (ATD)	3,342,554	3,580,032		3,580,032	3,412,934		3,412,934
Advanced Component Development & Prototypes	8,221,593	7,346,241		7,346,241	7,713,094		7,713,094
System Development and Demonstration (SDD)	792,012	856,756		856,756	1,029,323		1,029,323
RDT&E Management Support	1,492,598	1,302,375	6,438	1,308,813	1,213,027		1,213,027
Operational Systems Development	5,651,742	5,481,116		5,496,816	4,983,838	157,240	5,141,078
Total Research, Development, Test & Eval, DW	21,661,178	20,737,291	22,138	20,759,429	20,661,600	157,240	20,818,840
 <u>Summary Recap of FYDP Programs</u>							
General Purpose Forces	83,806	78,297		78,297	99,392		99,392
Intelligence and Communications	888,001	800,498		800,498	732,169	23,875	756,044
Research and Development	15,539,339	14,841,760	6,438	14,848,198	15,350,323		15,350,323
Central Supply and Maintenance	55,723	49,054		49,054	24,611		24,611
Training Medical and Other	15,645	41,971		41,971	93,843		93,843
Administration and Associated Activities	115,708	80,623		80,623	53,321		53,321
Support of Other Nations	22,471	68,923		68,923	93,885		93,885
Special Operations Forces	462,974	434,542		434,542	320,460	9,440	329,900
Classified Programs	4,477,511	4,341,623	15,700	4,357,323	3,893,596	123,925	4,017,521
Total Research, Development, Test & Eval, DW	21,661,178	20,737,291	22,138	20,759,429	20,661,600	157,240	20,818,840

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 Summary
 (Dollars in Thousands)

Feb 2010

<u>Summary Recap of Defensewide</u>	<u>FY 2009 (Base & OCO)</u>	<u>FY 2010 Base & OCO Enacted</u>	<u>FY 2010 Supplemental Request</u>	<u>FY 2010 Total</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total Request</u>
Defense Business Transformation Agency	187,953	210,337		210,337	195,931		195,931
Chemical and Biological Defense Program	1,081,036	1,225,071		1,225,071	1,207,761		1,207,761
Counter Intelligence Field Activity							
Defense Adv Research Projects Agcy	3,014,664	2,991,239		2,991,239	3,103,271		3,103,271
Defense Contract Management Agency	11,569	14,444		14,444	11,937		11,937
Defense Human Resources Activity	31,907	33,630		33,630	79,114		79,114
Defense Intelligence Agency							
Defense Information Systems Agency	307,202	231,392		231,392	249,611	23,125	272,736
Defense Logistics Agency	201,033	200,705		200,705	101,890		101,890
Defense Security Cooperation Agency	4,510	2,269		2,269	2,429		2,429
Defense Security Service	10,914	1,378		1,378	5,522		5,522
Defense Technical Information Center	53,450	49,205		49,205	61,054		61,054
Defense Threat Reduction Agency	490,888	510,295		510,295	562,624		562,624
Missile Defense Agency	8,247,341	7,060,931		7,060,931	7,454,634		7,454,634
National Geospatial Intelligence Agency							
National Security Agency							
Office of Secretary Of Defense	2,486,869	2,821,519	6,438	2,827,957	2,825,165		2,825,165
Special Operations Command						9,440	
The Joint Staff	71,667	111,945		111,945	125,014		125,014
Washington Headquarters Service	564	976		976	278		278
Total Research, Development, Test & Evaluation	21,661,178	20,737,291	22,138	20,759,429	20,661,600	157,240	20,818,840

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
1	0601000BR	DTRA Basic Research Initiative	01	28,798	40,848		40,848	47,412		47,412	U
2	0601101E	Defense Research Sciences	01	187,157	205,915		205,915	328,195		328,195	U
3	0601111D8Z	Government/Industry Cosponsorship of University Research	01	4,254	4,761		4,761				U
4	0601114D8Z	Defense Experimental Program to Stimulate Competitive Research	01	14,259							U
5	0601120D8Z	National Defense Education Program	01	67,108	79,333		79,333	109,911		109,911	U
6	0601384BP	Chemical and Biological Defense Program	01	60,355	78,764		78,764	49,508		49,508	U
		Basic Research		361,931	409,621		409,621	535,026		535,026	
7	0602000D8Z	Joint Munitions Technology	02	14,820	18,808		18,808	22,448		22,448	U
8	0602228D8Z	Historically Black Colleges and Universities (HBCU) Science	02	4,527	66,553		66,553	15,067		15,067	U
9	0602234D8Z	Lincoln Laboratory Research Program	02	29,244	33,759		33,759	32,830		32,830	U
10	0602303E	Information & Communications Technology	02	236,531	272,191		272,191	281,262		281,262	U
11	0602304E	Cognitive Computing Systems	02	122,810	144,236		144,236	90,143		90,143	U
12	0602305E	Machine Intelligence	02					44,682		44,682	U
13	0602383E	Biological Warfare Defense	02	163,993	40,418		40,418	32,692		32,692	U
14	0602384BP	Chemical and Biological Defense Program	02	231,331	224,830		224,830	169,287		169,287	U

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
15	0602663D8Z	Joint Data Management Advanced Development	02					3,261		3,261	U
16	0602668D8Z	Cyber Security Research	02					10,000		10,000	U
17	0602670D8Z	Human, Social and Culture Behavior Modeling (HSCB) Applied Research	02	8,063	7,882		7,882	9,499		9,499	U
18	0602702E	Tactical Technology	02	316,166	248,683		248,683	224,378		224,378	U
19	0602715E	Materials and Biological Technology	02	238,172	270,207		270,207	312,586		312,586	U
20	0602716E	Electronics Technology	02	181,519	179,402		179,402	286,936		286,936	U
21	0602718BR	Weapons of Mass Destruction Defeat Technologies	02	217,044	221,185		221,185	212,742		212,742	U
22	1160401BB	Special Operations Technology Development	02	32,167	30,606		30,606	26,545		26,545	U
23	1160407BB	SOF Medical Technology Development	02	2,361	2,390		2,390				U
		Applied Research		1,798,748	1,761,150		1,761,150	1,774,358		1,774,358	
24	0603000D8Z	Joint Munitions Advanced Technology	03	9,176	13,534		13,534	20,556		20,556	U
25	0603121D8Z	SO/LIC Advanced Development	03	32,314	43,453		43,453	44,423		44,423	U
26	0603122D8Z	Combating Terrorism Technology Support	03	114,990	117,153		117,153	85,299		85,299	U
27	0603160BR	Counterproliferation Initiatives - Proliferation Prevention and Defeat	03	221,471	238,773		238,773	295,163		295,163	U
28	0603175C	Ballistic Missile Defense Technology	03	117,602	189,229		189,229	132,220		132,220	U

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
29	0603200D8Z	Joint Advanced Concepts	03		3,878		3,878	6,808		6,808	U
30	0603225D8Z	Joint DoD-DoE Munitions Technology Development	03	21,678	23,088		23,088	22,700		22,700	U
31	0603264S	Agile Transportation for the 21st Century (AT21) - Theater Capability	03					750		750	U
32	0603286E	Advanced Aerospace Systems	03	38,252	258,278		258,278	303,078		303,078	U
33	0603287E	Space Programs and Technology	03	226,369	183,477		183,477	98,130		98,130	U
34	0603384BP	Chemical and Biological Defense Program - Advanced Development	03	307,351	299,680		299,680	177,113		177,113	U
35	0603618D8Z	Joint Electronic Advanced Technology	03	8,757	10,751		10,751	8,386		8,386	U
36	0603648D8Z	Joint Capability Technology Demonstrations	03	196,076	168,577		168,577	206,917		206,917	U
37	0603662D8Z	Networked Communications Capabilities	03	27,826	27,984		27,984	30,035		30,035	U
38	0603663D8Z	Joint Data Management Research	03		4,895		4,895	6,289		6,289	U
39	0603665D8Z	Biometrics Science and Technology	03	9,651	10,904		10,904	11,416		11,416	U
40	0603668D8Z	Cyber Security Advanced Research	03					10,000		10,000	U
41	0603670D8Z	Human, Social and Culture Behavior Modeling (HSCB) Advanced Development	03	8,443	10,395		10,395	11,510		11,510	U
42	0603680D8Z	Defense-Wide Manufacturing Science and Technology Program	03	17,142	23,546		23,546	18,916		18,916	U

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
43	0603711D8Z	Joint Robotics Program/ Autonomous Systems	03	8,385	11,020		11,020	9,943		9,943	U
44	0603712S	Generic Logistics R&D Technology Demonstrations	03	72,541	51,851		51,851	20,542		20,542	U
45	0603713S	Deployment and Distribution Enterprise Technology	03	28,414	29,203		29,203	29,109		29,109	U
46	0603716D8Z	Strategic Environmental Research Program	03	63,914	67,128		67,128	68,021		68,021	U
47	0603720S	Microelectronics Technology Development and Support	03	36,392	70,597		70,597	26,878		26,878	U
48	0603727D8Z	Joint Warfighting Program	03	10,244	11,045		11,045	10,966		10,966	U
49	0603739E	Advanced Electronics Technologies	03	192,686	194,094		194,094	197,098		197,098	U
50	0603745D8Z	Synthetic Aperture Radar (SAR) Coherent Change Detection (CDD)	03	7,296	4,825		4,825				U
51	0603750D8Z	Advanced Concept Technology Demonstrations	03	1,169							U
52	0603755D8Z	High Performance Computing Modernization Program	03	209,164	235,486		235,486	200,986		200,986	U
53	0603760E	Command, Control and Communications Systems	03	297,643	269,198		269,198	219,809		219,809	U
54	0603765E	Classified DARPA Programs	03	193,690	177,582		177,582	167,008		167,008	U
55	0603766E	Network-Centric Warfare Technology	03	133,138	138,361		138,361	234,985		234,985	U
56	0603767E	Sensor Technology	03	182,583	222,866		222,866	205,032		205,032	U
57	0603768E	Guidance Technology	03	93,720	36,886		36,886				U

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
58	0603769SE	Distributed Learning Advanced Technology Development	03	13,323	13,765		13,765	13,986		13,986	U
59	0603781D8Z	Software Engineering Institute	03	29,056	31,044		31,044	30,910		30,910	U
60	0603805S	Dual Use Technology	03	4,000							U
61	0603826D8Z	Quick Reaction Special Projects	03	93,802	73,583		73,583	78,244		78,244	U
62	0603828D8Z	Joint Experimentation	03	100,253	105,936		105,936	111,946		111,946	U
63	0603832D8Z	DoD Modeling and Simulation Management Office	03	30,302	34,226		34,226	38,140		38,140	U
64	0603901C	Directed Energy Research	03					98,688		98,688	U
65	0603941D8Z	Test & Evaluation Science & Technology	03	90,467	94,960		94,960	97,642		97,642	U
66	0603942D8Z	Technology Transfer	03	6,033	13,558		13,558	23,310		23,310	U
67	1160402BB	Special Operations Advanced Technology Development	03	78,836	56,727		56,727	30,806		30,806	U
68	1160422BB	Aviation Engineering Analysis	03		3,529		3,529	4,234		4,234	U
69	1160472BB	SOF Information and Broadcast Systems Advanced Technology	03	8,405	4,967		4,967	4,942		4,942	U
		Advanced Technology Development (ATD)		3,342,554	3,580,032		3,580,032	3,412,934		3,412,934	
70	0603161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E ADC&P	04	46,786	45,805		45,805	32,132		32,132	U
71	0603527D8Z	RETRACT LARCH	04	21,368	21,542		21,542	21,592		21,592	U
72	0603709D8Z	Joint Robotics Program	04	11,086	15,279		15,279	9,878		9,878	U

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
73	0603714D8Z	Advanced Sensor Applications Program	04	15,912	17,627		17,627	18,060		18,060	U
74	0603851D8Z	Environmental Security Technical Certification Program	04	36,616	40,780		40,780	30,419		30,419	U
75	0603881C	Ballistic Missile Defense Terminal Defense Segment	04	951,414	715,732		715,732	436,482		436,482	U
76	0603882C	Ballistic Missile Defense Midcourse Defense Segment	04	1,472,683	1,027,371		1,027,371	1,346,181		1,346,181	U
77	0603883C	Ballistic Missile Defense Boost Defense Segment	04	384,365	182,317		182,317				U
78	0603884BP	Chemical and Biological Defense Program	04	69,793	209,275		209,275	277,062		277,062	U
79	0603884C	Ballistic Missile Defense Sensors	04	682,754	621,017		621,017	454,859		454,859	U
80	0603886C	Ballistic Missile Defense System Interceptor	04	308,869							U
81	0603888C	Ballistic Missile Defense Test & Targets	04	906,952	823,333		823,333	1,113,425		1,113,425	U
82	0603890C	BMD Enabling Programs	04	402,776	358,751		358,751	402,769		402,769	U
83	0603891C	Special Programs - MDA	04	182,998	250,185		250,185	270,189		270,189	U
84	0603892C	AEGIS BMD	04	1,054,323	1,435,717		1,435,717	1,467,278		1,467,278	U
85	0603893C	Space Tracking & Surveillance System	04	209,831	161,609		161,609	112,678		112,678	U
86	0603894C	Multiple Kill Vehicle	04	226,027							U

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
87	0603895C	Ballistic Missile Defense System Space Programs	04	23,250	12,492		12,492	10,942		10,942	U
88	0603896C	Ballistic Missile Defense Command and Control, Battle Management and Communicati	04	275,174	334,734		334,734	342,625		342,625	U
89	0603897C	Ballistic Missile Defense Hercules	04	51,629	47,932		47,932				U
90	0603898C	Ballistic Missile Defense Joint Warfighter Support	04	66,283	61,098		61,098	68,726		68,726	U
91	0603904C	Missile Defense Integration & Operations Center (MDIOC)	04	102,823	86,483		86,483	86,198		86,198	U
92	0603906C	Regarding Trench	04	3,159	6,130		6,130	7,529		7,529	U
93	0603907C	Sea Based X-Band Radar (SBX)	04	143,878	167,153		167,153	153,056		153,056	U
94	0603908C	BMD European Interceptor Site	04	348,722							U
95	0603909C	BMD European Midcourse Radar	04	73,728							U
96	0603911C	BMD European Capability	04		50,226		50,226				U
97	0603912C	BMD European Communications Support	04	26,016							U
98	0603913C	Israeli Cooperative Programs	04		201,323		201,323	121,735		121,735	U
99	0603920D8Z	Humanitarian Demining	04	13,993	14,568		14,568	14,735		14,735	U
100	0603923D8Z	Coalition Warfare	04	12,482	13,773		13,773	13,786		13,786	U

UNCLASSIFIED

Page D-9

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
101	0604016D8Z	Department of Defense Corrosion Program	04	18,387	22,107		22,107	4,802		4,802	U
102	0604400D8Z	Department of Defense (DoD) Unmanned Aircraft System (UAS) Common Development	04		60,792		60,792	49,292		49,292	U
103	0604648D8Z	Joint Capability Technology Demonstrations	04	10,829	10,988		10,988				U
104	0604670D8Z	Human, Social and Culture Behavior Modeling (HSCB) Research and Engineering	04	5,392	6,950		6,950	7,459		7,459	U
105	0604787D8Z	Joint Systems Integration Command (JSIC)	04	18,083	19,585		19,585	19,413		19,413	U
106	0604828D8Z	Joint FIRES Integration and Interoperability Team	04	15,446	16,835		16,835	16,637		16,637	U
107	0604880C	Land-Based SM-3 (LBSM3)	04					281,378		281,378	U
108	0604881C	AEGIS SM-3 Block IIA Co-Development	04		255,987		255,987	318,800		318,800	U
109	0604883C	Precision Tracking Space System RDT&E	04					66,969		66,969	U
110	0604884C	Airborne Infrared (ABIR)	04					111,671		111,671	U
111	0605017D8Z	Reduction Of Total Ownership Cost	04	23,113	24,447		24,447	20,310		20,310	U
112	0303191D8Z	Joint Electromagnetic Technology (JET) Program	04	4,653	6,298		6,298	4,027		4,027	U
		Advanced Component Development & Prot		8,221,593	7,346,241		7,346,241	7,713,094		7,713,094	
113	0604051D8Z	Defense Acquisition Challenge Program (DACP)	05	26,979	28,629		28,629	24,344		24,344	U

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
114	0604161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E SDD	05	4,106	7,566		7,566	7,973		7,973	U
115	0604165D8Z	Prompt Global Strike Capability Development	05	69,636	165,563		165,563	239,861		239,861	U
116	0604384BP	Chemical and Biological Defense Program	05	286,529	300,317		300,317	407,162		407,162	U
117	0604709D8Z	Joint Robotics Program	05	5,420	5,086		5,086	4,155		4,155	U
118	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	05	28,441	14,831		14,831	49,364		49,364	U
119	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	05	19,873	20,466		20,466	20,954		20,954	U
120	0605000BR	Weapons of Mass Destruction Defeat Capabilities	05	15,499	9,489		9,489	7,307		7,307	U
121	0605013BL	Information Technology Development	05	11,569	14,444		14,444	11,937		11,937	U
122	0605018BTA	Defense Integrated Military Human Resources System (DIMHRS)	05	43,379	18,710		18,710	11,800		11,800	U
123	0605020BTA	Business Transformation Agency R&D Activities	05	144,574	191,627		191,627	184,131		184,131	U
124	0605021SE	Homeland Personnel Security Initiative	05	399	393		393	391		391	U
125	0605027D8Z	OUSD(C) IT Development Initiatives	05		4,961		4,961	5,000		5,000	U
126	0605140D8Z	Trusted Foundry	05	39,464	50,808		50,808	35,512		35,512	U
127	0605648D8Z	Defense Acquisition Executive (DAE) Pilot Program	05	5,392	4,232		4,232				U

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
128	0303141K	Global Combat Support System	05	17,946	18,038		18,038	17,842		17,842	U
129	0303158K	Joint Command and Control Program (JC2)	05	57,161							U
130	0807708D8Z	Wounded Ill and Injured Senior Oversight Committee (WII-SOC) Staff Office	05	15,645	1,596		1,596	1,590		1,590	U
System Development and Demonstration				792,012	856,756		856,756	1,029,323		1,029,323	
131	0603757D8Z	Training Transformation (T2)	06	54,380							U
132	0604774D8Z	Defense Readiness Reporting System (DRRS)	06	11,300	15,247		15,247	5,113		5,113	U
133	0604875D8Z	Joint Systems Architecture Development	06	18,027	11,248		11,248	8,052		8,052	U
134	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	06	143,612	160,959		160,959	162,286		162,286	U
135	0604942D8Z	Assessments and Evaluations	06					2,500		2,500	U
136	0604943D8Z	Thermal Vicar	06	9,452	11,352		11,352	8,851		8,851	U
137	0605100D8Z	Joint Mission Environment Test Capability (JMETC)	06	8,286	9,379		9,379	10,287		10,287	U
138	0605104D8Z	Technical Studies, Support and Analysis	06	34,073	44,398		44,398	49,282		49,282	U
139	0605110D8Z	USD(A&T)--Critical Technology Support	06	4,151	4,874		4,874	4,743		4,743	U
140	0605117D8Z	Foreign Material Acquisition and Exploitation	06	62,348	94,152		94,152	95,520		95,520	U

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
141	0605126J	Joint Integrated Air and Missile Defense Organization (JIAMDO)	06	55,282	96,505		96,505	94,577		94,577	U
142	0605128D8Z	Classified Program USD(P)	06	99,622	94,864		94,864				U
143	0605130D8Z	Foreign Comparative Testing	06	32,050	34,771		34,771	32,755		32,755	U
144	0605142D8Z	Systems Engineering	06					29,824		29,824	U
145	0605161D8Z	Nuclear Matters-Physical Security	06	4,331	6,422		6,422	6,264		6,264	U
146	0605170D8Z	Support to Networks and Information Integration	06	13,707	14,796		14,796	15,091		15,091	U
147	0605200D8Z	General Support to USD (Intelligence)	06	16,361	5,840		5,840	6,227		6,227	U
148	0605384BP	Chemical and Biological Defense Program	06	100,470	106,033		106,033	120,995		120,995	U
149	0605502BP	Small Business Innovative Research - Chemical Biological Def	06	12,713							U
150	0605502BR	Small Business Innovation Research	06	8,076							U
151	0605502C	Small Business Innovative Research - MDA	06	124,788							U
152	0605502D8Z	Small Business Innovative Research	06	52,812							U
153	0605502E	Small Business Innovative Research	06	78,877							U
154	0605502S	Small Business Innovative Research	06	3,230							U

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
155	0605790D8Z	Small Business Innovation Research (SBIR)/ Small Business Technology Transfer (S	06	5,568	4,645		4,645	2,189		2,189	U
156	0605798D8Z	Defense Technology Analysis	06	9,503	11,710		11,710	13,858		13,858	U
157	0605799D8Z	Force Transformation Directorate	06	21,421	23,787		23,787	19,701		19,701	U
158	0605801KA	Defense Technical Information Center (DTIC)	06	53,450	49,205		49,205	61,054		61,054	U
159	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	06	18,185	19,472		19,472	64,737		64,737	U
160	0605804D8Z	Development Test and Evaluation	06	22,208	23,322	6,438	29,760	18,688		18,688	U
161	0605897E	DARPA Agency Relocation	06	27,924	44,812		44,812	11,000		11,000	U
162	0605898E	Management HQ - R&D	06	53,569	54,842		54,842	56,257		56,257	U
163	0606100D8Z	Budget and Program Assessments	06	5,453	5,881		5,881	6,099		6,099	U
164	0606301D8Z	Aviation Safety Technologies	06		7,936		7,936	10,900		10,900	U
165	0204571J	Joint Staff Analytical Support	06		1,654		1,654	23,081		23,081	U
168	0303166D8Z	Support to Information Operations (IO) Capabilities	06	32,801	30,376		30,376	31,500		31,500	U
169	0303169D8Z	Information Technology Rapid Acquisition	06	4,517	4,630		4,630	5,135		5,135	U
170	0305103E	Cyber Security Initiative	06	49,865	49,791		49,791	10,000		10,000	U

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
171	0305193D8Z	Intelligence Support to Information Operations (IO)	06	17,493	20,481		20,481	21,272		21,272	U
173	0305400D8Z	Warfighting and Intelligence-Related Support	06	824	823		823	845		845	U
174	0804767D8Z	COCOM Exercise Engagement and Training Transformation (CE2T2)	06		40,375		40,375	92,253		92,253	U
175	0901585C	Pentagon Reservation	06	20,146	19,709		19,709	20,482		20,482	U
176	0901598C	Management HQ - MDA	06	87,151	52,403		52,403	29,754		29,754	U
177	0901598D8W	IT Software Dev Initiatives	06	564	976		976	278		278	U
9999	9999999999	Classified Programs		114,008	124,705		124,705	61,577		61,577	U
		RDT&E Management Support		1,492,598	1,302,375	6,438	1,308,813	1,213,027		1,213,027	
178	0604130V	Defense Information System for Security (DISS)	07	10,914	1,378		1,378	5,522		5,522	U
179	0605127T	Regional International Outreach (RIO) and Partnership for Peace Information Mana	07	4,037	1,977		1,977	2,139		2,139	U
180	0605147T	Overseas Humanitarian Assistance Shared Information System (OHASIS)	07	473	292		292	290		290	U
181	0607384BP	Chemical and Biological Defense (Operational Systems Development)	07	12,494	6,172		6,172	6,634		6,634	U
182	0607713S	Deployment and Distribution Enterprise Technology	07	733							U

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
183	0607828D8Z	Joint Integration and Interoperability	07	45,795	45,840		45,840	44,139		44,139	U
184	0204571J	Joint Staff Analytical Support	07	7,618							U
185	0208043J	Classified Programs	07	1,723	2,170		2,170	2,288		2,288	U
186	0208045K	C4I Interoperability	07	74,465	74,473		74,473	74,023		74,023	U
188	0301144K	Joint/Allied Coalition Information Sharing	07	15,723	10,722		10,722	9,379		9,379	U
195	0302016K	National Military Command System-Wide Support	07	613	546		546	467		467	U
196	0302019K	Defense Info Infrastructure Engineering and Integration	07	16,002	16,435		16,435	16,629		16,629	U
197	0303126K	Long-Haul Communications - DCS	07	8,108	9,157		9,157	9,130	23,125	32,255	U
198	0303131K	Minimum Essential Emergency Communications Network (MEECN)	07	9,615	9,789		9,789	9,529		9,529	U
199	0303135G	Public Key Infrastructure (PKI)	07	15,532	8,073		8,073	8,881		8,881	U
200	0303136G	Key Management Infrastructure (KMI)	07	55,435	40,782		40,782	45,941		45,941	U
201	0303140D8Z	Information Systems Security Program	07	13,041	14,955		14,955	14,077		14,077	U
202	0303140G	Information Systems Security Program	07	410,734	409,709		409,709	388,827	750	389,577	U
204	0303148K	DISA Mission Support Operations	07	2,252	1,200		1,200				U
205	0303149J	C4I for the Warrior	07	3,652	4,081		4,081	2,261		2,261	U

UNCLASSIFIED

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Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
206	0303150K	Global Command and Control System	07	34,213	37,161		37,161	26,247		26,247	U
207	0303153K	Defense Spectrum Organization	07	19,162	18,865		18,865	20,991		20,991	U
208	0303170K	Net-Centric Enterprise Services (NCES)	07	5,429	1,775		1,775	3,366		3,366	U
209	0303260D8Z	Joint Military Deception Initiative	07		934		934	1,161		1,161	U
210	0303610K	Teleport Program	07	2,054	5,217		5,217	6,880		6,880	U
211	0304210BB	Special Applications for Contingencies	07	23,020	27,467		27,467	16,272		16,272	U
214	0305103D8Z	Cyber Security Initiative	07	992	985		985	501		501	U
216	0305103K	Cyber Security Initiative	07	12,800	10,038		10,038	2,251		2,251	U
217	0305125D8Z	Critical Infrastructure Protection (CIP)	07	15,594	16,590		16,590	10,486		10,486	U
221	0305186D8Z	Policy R&D Programs	07	8,870	6,892		6,892	9,136		9,136	U
223	0305199D8Z	Net Centricity	07	12,277	1,467		1,467	29,831		29,831	U
227	0305208BB	Distributed Common Ground/Surface Systems	07	763	7,701		7,701	1,290		1,290	U
230	0305208K	Distributed Common Ground/Surface Systems	07	3,218	3,145		3,145	3,513		3,513	U
232	0305219BB	MQ-1 Predator A UAV	07	13,642	2,058		2,058	98		98	U
234	0305387D8Z	Homeland Defense Technology Transfer Program	07		2,939		2,939	2,988		2,988	U
235	0305600D8Z	International Intelligence Technology Assessment, Advancement and Integration	07		1,378		1,378	1,416		1,416	U

UNCLASSIFIED

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Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
245	0708011S	Industrial Preparedness	07	53,040	46,271		46,271	21,798		21,798	U
246	0708012S	Logistics Support Activities	07	2,683	2,783		2,783	2,813		2,813	U
247	0902298J	Management Headquarters (JCS)	07	3,392	7,535		7,535	2,807		2,807	U
248	0909999D8Z	Financing for Cancelled Account Adjustments	07	4,455							U
249	1001018D8Z	NATO AGS	07	22,471	68,923		68,923	93,885		93,885	U
250	1105219BB	MQ-9 UAV	07		4,362		4,362	98		98	U
251	1160279BB	Small Business Innovative Research/ Small Bus Tech Transfer Pilot Prog	07	10,206							U
252	1160403BB	Special Operations Aviation Systems Advanced Development	07	72,225	72,308		72,308	68,691		68,691	U
253	1160404BB	Special Operations Tactical Systems Development	07	15,143	6,845		6,845	1,582		1,582	U
254	1160405BB	Special Operations Intelligence Systems Development	07	39,866	41,223		41,223	23,879	9,440	33,319	U
255	1160408BB	SOF Operational Enhancements	07	53,672	63,045		63,045	62,592		62,592	U
256	1160421BB	Special Operations CV-22 Development	07	30,970	12,634		12,634	14,406		14,406	U
257	1160423BB	Joint Multi-Mission Submersible	07		33,273		33,273	14,924		14,924	U
258	1160426BB	Operations Advanced Seal Delivery System (ASDS) Development	07	5,643	3,485		3,485				U

UNCLASSIFIED

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Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
259	1160427BB	Mission Training and Preparation Systems (MTPS)	07	5,496	3,178		3,178	2,915		2,915	U
260	1160428BB	Unmanned Vehicles (UV)	07	41,352	996		996				U
261	1160429BB	MC130J SOF Tanker Recapitalization	07	4,474	5,932		5,932	7,624		7,624	U
262	1160474BB	SOF Communications Equipment and Electronics Systems	07		730		730	1,922		1,922	U
263	1160476BB	SOF Tactical Radio Systems	07		2,358		2,358	2,347		2,347	U
264	1160477BB	SOF Weapons Systems	07	3,857	1,077		1,077	479		479	U
265	1160478BB	SOF Soldier Protection and Survival Systems	07	3,040	594		594	593		593	U
266	1160479BB	SOF Visual Augmentation, Lasers and Sensor Systems	07	6,485	8,533		8,533				U
267	1160480BB	SOF Tactical Vehicles	07	1,600	1,965		1,965	1,994		1,994	U
268	1160482BB	SOF Rotary Wing Aviation	07	3,202	18,784		18,784	14,473		14,473	U
269	1160483BB	SOF Underwater Systems	07	8,572	18,774		18,774	13,986		13,986	U
270	1160484BB	SOF Surface Craft	07	6,232	9,959		9,959	2,933		2,933	U
271	1160488BB	SOF PSYOP	07	8,251	9,846		9,846	4,193		4,193	U
272	1160489BB	SOF Global Video Surveillance Activities	07	13,914	4,923		4,923	5,135		5,135	U
273	1160490BB	SOF Operational Enhancements Intelligence	07	7,005	11,499		11,499	9,167		9,167	U
9999	9999999999	Classified Programs		4,363,503	4,216,918	15,700	4,232,618	3,832,019	123,925	3,955,944	U
		Operational Systems Development		5,651,742	5,481,116		5,496,816	4,983,838	157,240	5,141,078	

UNCLASSIFIED

Defense-Wide
FY 2011 President's Budget
Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
(Dollars in Thousands)

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

Date: Feb 2010

Line	Program Element		FY 2009	FY 2010	FY 2010	FY 2010	FY 2011	FY 2011	FY 2011	S
<u>No</u>	<u>Number</u>	<u>Item</u>	<u>(Base & OCO)</u>	<u>Enacted</u>	<u>Request</u>	<u>Total</u>	<u>Base</u>	<u>OCO</u>	<u>Total Request</u>	<u>e</u>
Total	Research, Development, Test & Eval, DW		21,661,178	20,737,291	22,138	20,759,429	20,661,600	157,240	20,818,840	<u>c</u>

UNCLASSIFIED

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Defense-Wide
FY 2011 President's Budget

Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
Summary
(Dollars in Thousands)

Feb 2010

<u>Summary Recap of Budget Activities</u>	<u>FY 2009 (Base & OCO)</u>	<u>FY 2010 Base & OCO Enacted</u>	<u>FY 2010 Supplemental Request</u>	<u>FY 2010 Total</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total Request</u>
Applied Research	1,944						
Advanced Technology Development (ATD)	51,698						
Advanced Component Development & Prototypes	19,297						
Management Support	2,061						
Total Research, Development, Test & Eval, DW, RA	75,000						
 <u>Summary Recap of FYDP Programs</u>							
Research and Development	75,000						
Total Research, Development, Test & Eval, DW, RA	75,000						

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

Appropriation: 0401D Research, Development, Test & Eval, DW, RA

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
1	0632012D8Z	Plasma Fusion (Polywell)	02	1,944							U
		Applied Research		1,944							
2	0633002D8Z	Energy Modeling	03	1,600							U
3	0633006D8Z	Materials - Ceramic matrix composites	03	4,860							U
4	0633007D8Z	Wind Lift Power Generator	03	972							U
5	0633009S	Mobile Waste to Energy	03	7,311							U
6	0633010D8Z	HPCM Maui Energy Improvement Initiative	03	3,888							U
7	0633011S	Algal Derived Biofuel Program	03	5,851							U
8	0633013D8Z	Fuel Cells	03	18,468							U
9	0633017D8Z	Fuel Efficient Ground Vehicle Demonstrator	03	8,748							U
		Advanced Technology Development (ATD)		51,698							
10	0634003D8Z	Continuous Building Commissioning	04	6,804							U
11	0634004D8Z	Energy Enterprise Management	04	1,944							U
12	0634005D8Z	Solid Waste Gasification	04	2,916							U
13	0634006D8Z	Anaerobic Digester Technology	04	1,944							U
14	0634007D8Z	Landfill Gas Energy Capture	04	2,429							U
15	0634014D8Z	Tactical, Deployable Micro-Grid	04	3,260							U
		Advanced Component Devel & Prototype		19,297							

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

Appropriation: 0401D Research, Development, Test & Eval, DW, RA

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
16	0605502S	Small Business Innovative Research	06	338							U
17	0636016D8Z	SBIR/STTR	06	1,723							U
		Management Support		2,061							
Total Research, Development, Test & Eval, DW, RA				75,000							

UNCLASSIFIED

Defense-Wide
FY 2011 President's Budget
Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
Summary
(Dollars in Thousands)

Feb 2010

<u>Summary Recap of Budget Activities</u>	<u>FY 2009 (Base & OCO)</u>	<u>FY 2010 Base & OCO Enacted</u>	<u>FY 2010 Supplemental Request</u>	<u>FY 2010 Total</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total Request</u>
RDT&E Management Support	185,202	188,237		188,237	194,910		194,910
Total Operational Test & Eval, Defense	185,202	188,237		188,237	194,910		194,910
 <u>Summary Recap of FYDP Programs</u>							
Research and Development	185,202	188,237		188,237	194,910		194,910
Total Operational Test & Eval, Defense	185,202	188,237		188,237	194,910		194,910

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

Appropriation: 0460D Operational Test & Eval, Defense

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
1	0605118OTE	Operational Test and Evaluation	06	53,052	57,902		57,902	59,430		59,430	U
2	0605131OTE	Live Fire Test and Evaluation	06	11,541	12,234		12,234	12,899		12,899	U
3	0605814OTE	Operational Test Activities and Analyses	06	120,609	118,101		118,101	122,581		122,581	U
		RDT&E Management Support		185,202	188,237		188,237	194,910		194,910	
Total Operational Test & Eval, Defense				185,202	188,237		188,237	194,910		194,910	

Defense Business Transformation Agency
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
122	0605018BTA	Defense Integrated Military Human Resources System (DIMHRS)	05	43,379	18,710		18,710	11,800		11,800	U
123	0605020BTA	Business Transformation Agency R&D Activities	05	144,574	191,627		191,627	184,131		184,131	U
		System Development and Demonstration (SDD)		187,953	210,337		210,337	195,931		195,931	
Total Defense Business Transformation Agency				187,953	210,337		210,337	195,931		195,931	

Chemical and Biological Defense Program
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
6	0601384BP	Chemical and Biological Defense Program	01	60,355	78,764		78,764	49,508		49,508	U
	Basic Research			60,355	78,764		78,764	49,508		49,508	
14	0602384BP	Chemical and Biological Defense Program	02	231,331	224,830		224,830	169,287		169,287	U
	Applied Research			231,331	224,830		224,830	169,287		169,287	
34	0603384BP	Chemical and Biological Defense Program - Advanced Development	03	307,351	299,680		299,680	177,113		177,113	U
	Advanced Technology Development (ATD)			307,351	299,680		299,680	177,113		177,113	
78	0603884BP	Chemical and Biological Defense Program	04	69,793	209,275		209,275	277,062		277,062	U
	Advanced Component Development & Prototypes			69,793	209,275		209,275	277,062		277,062	
116	0604384BP	Chemical and Biological Defense Program	05	286,529	300,317		300,317	407,162		407,162	U
	System Development and Demonstration (SDD)			286,529	300,317		300,317	407,162		407,162	
148	0605384BP	Chemical and Biological Defense Program	06	100,470	106,033		106,033	120,995		120,995	U
149	0605502BP	Small Business Innovative Research - Chemical Biological Def	06	12,713							U
	RDT&E Management Support			113,183	106,033		106,033	120,995		120,995	
181	0607384BP	Chemical and Biological Defense (Operational Systems Development)	07	12,494	6,172		6,172	6,634		6,634	U
	Operational Systems Development			12,494	6,172		6,172	6,634		6,634	
Total Chemical and Biological Defense Program				1,081,036	1,225,071		1,225,071	1,207,761		1,207,761	

Counter Intelligence Field Activity
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line	Program Element <u>No</u> <u>Number</u>	<u>Item</u>	<u>Act</u>	FY 2009 <u>(Base & OCO)</u>	FY 2010 Base & OCO <u>Enacted</u>	FY 2010 Supplemental <u>Request</u>	FY 2010 <u>Total</u>	FY 2011 <u>Base</u>	FY 2011 <u>OCO</u>	FY 2011 <u>Total Request</u>	<u>S</u> <u>e</u> <u>c</u>
		Operational Systems Development		-----	-----	-----	-----	-----	-----	-----	
		Total Counter Intelligence Field Activity		-----	-----	-----	-----	-----	-----	-----	

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Defense Adv Research Projects Agcy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
2	0601101E	Defense Research Sciences	01	187,157	205,915		205,915	328,195		328,195	U
Basic Research				187,157	205,915		205,915	328,195		328,195	
10	0602303E	Information & Communications Technology	02	236,531	272,191		272,191	281,262		281,262	U
11	0602304E	Cognitive Computing Systems	02	122,810	144,236		144,236	90,143		90,143	U
12	0602305E	Machine Intelligence	02					44,682		44,682	U
13	0602383E	Biological Warfare Defense	02	163,993	40,418		40,418	32,692		32,692	U
18	0602702E	Tactical Technology	02	316,166	248,683		248,683	224,378		224,378	U
19	0602715E	Materials and Biological Technology	02	238,172	270,207		270,207	312,586		312,586	U
20	0602716E	Electronics Technology	02	181,519	179,402		179,402	286,936		286,936	U
Applied Research				1,259,191	1,155,137		1,155,137	1,272,679		1,272,679	
32	0603286E	Advanced Aerospace Systems	03	38,252	258,278		258,278	303,078		303,078	U
33	0603287E	Space Programs and Technology	03	226,369	183,477		183,477	98,130		98,130	U
49	0603739E	Advanced Electronics Technologies	03	192,686	194,094		194,094	197,098		197,098	U
53	0603760E	Command, Control and Communications Systems	03	297,643	269,198		269,198	219,809		219,809	U
54	0603765E	Classified DARPA Programs	03	193,690	177,582		177,582	167,008		167,008	U
55	0603766E	Network-Centric Warfare Technology	03	133,138	138,361		138,361	234,985		234,985	U
56	0603767E	Sensor Technology	03	182,583	222,866		222,866	205,032		205,032	U
57	0603768E	Guidance Technology	03	93,720	36,886		36,886				U

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Defense Adv Research Projects Agcy
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line	Program Element	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	S e c
	Advanced Technology Development (ATD)			1,358,081	1,480,742		1,480,742	1,425,140		1,425,140	
153	0605502E	Small Business Innovative Research	06	78,877							U
161	0605897E	DARPA Agency Relocation	06	27,924	44,812		44,812	11,000		11,000	U
162	0605898E	Management HQ - R&D	06	53,569	54,842		54,842	56,257		56,257	U
170	0305103E	Cyber Security Initiative	06	49,865	49,791		49,791	10,000		10,000	U
	RDT&E Management Support			210,235	149,445		149,445	77,257		77,257	
Total Defense Adv Research Projects Agcy				3,014,664	2,991,239		2,991,239	3,103,271		3,103,271	

Defense Contract Management Agency
 FY 2011 President's Budget

Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se c
121	0605013BL	Information Technology Development	05	11,569	14,444		14,444	11,937		11,937	U
		System Development and Demonstration (SDD)		11,569	14,444		14,444	11,937		11,937	
Total Defense Contract Management Agency				11,569	14,444		14,444	11,937		11,937	

UNCLASSIFIED

Defense Human Resources Activity
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
58	0603769SE	Distributed Learning Advanced Technology Development	03	13,323	13,765		13,765	13,986		13,986	U
	Advanced Technology Development (ATD)			13,323	13,765		13,765	13,986		13,986	
124	0605021SE	Homeland Personnel Security Initiative	05	399	393		393	391		391	U
	System Development and Demonstration (SDD)			399	393		393	391		391	
159	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	06	18,185	19,472		19,472	64,737		64,737	U
	RDT&E Management Support			18,185	19,472		19,472	64,737		64,737	
Total Defense Human Resources Activity				31,907	33,630		33,630	79,114		79,114	

Defense Intelligence Agency
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line	Program Element <u>No</u> <u>Number</u>	<u>Item</u>	<u>Act</u>	FY 2009 <u>(Base & OCO)</u>	FY 2010 Base & OCO <u>Enacted</u>	FY 2010 Supplemental <u>Request</u>	FY 2010 <u>Total</u>	FY 2011 <u>Base</u>	FY 2011 <u>OCO</u>	FY 2011 <u>Total Request</u>	<u>S</u> <u>e</u> <u>c</u>
		Operational Systems Development		-----	-----	-----	-----	-----	-----	-----	
		Total Defense Intelligence Agency		-----	-----	-----	-----	-----	-----	-----	

UNCLASSIFIED

Defense Information Systems Agency
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
118	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	05	28,441	14,831		14,831	49,364		49,364	U
128	0303141K	Global Combat Support System	05	17,946	18,038		18,038	17,842		17,842	U
129	0303158K	Joint Command and Control Program (JC2)	05	57,161							U
System Development and Demonstration (SDD)				103,548	32,869		32,869	67,206		67,206	
186	0208045K	C4I Interoperability	07	74,465	74,473		74,473	74,023		74,023	U
188	0301144K	Joint/Allied Coalition Information Sharing	07	15,723	10,722		10,722	9,379		9,379	U
195	0302016K	National Military Command System-Wide Support	07	613	546		546	467		467	U
196	0302019K	Defense Info Infrastructure Engineering and Integration	07	16,002	16,435		16,435	16,629		16,629	U
197	0303126K	Long-Haul Communications - DCS	07	8,108	9,157		9,157	9,130	23,125	32,255	U
198	0303131K	Minimum Essential Emergency Communications Network (MEECN)	07	9,615	9,789		9,789	9,529		9,529	U
204	0303148K	DISA Mission Support Operations	07	2,252	1,200		1,200				U
206	0303150K	Global Command and Control System	07	34,213	37,161		37,161	26,247		26,247	U
207	0303153K	Defense Spectrum Organization	07	19,162	18,865		18,865	20,991		20,991	U
208	0303170K	Net-Centric Enterprise Services (NCES)	07	5,429	1,775		1,775	3,366		3,366	U

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Defense Information Systems Agency
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
210	0303610K	Teleport Program	07	2,054	5,217		5,217	6,880		6,880	U
216	0305103K	Cyber Security Initiative	07	12,800	10,038		10,038	2,251		2,251	U
230	0305208K	Distributed Common Ground/Surface Systems	07	3,218	3,145		3,145	3,513		3,513	U
Operational Systems Development				203,654	198,523		198,523	182,405	23,125	205,530	
Total Defense Information Systems Agency				307,202	231,392		231,392	249,611	23,125	272,736	

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Defense Logistics Agency
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
31	0603264S	Agile Transportation for the 21st Century (AT21) - Theater Capability	03					750		750	U
44	0603712S	Generic Logistics R&D Technology Demonstrations	03	72,541	51,851		51,851	20,542		20,542	U
45	0603713S	Deployment and Distribution Enterprise Technology	03	28,414	29,203		29,203	29,109		29,109	U
47	0603720S	Microelectronics Technology Development and Support	03	36,392	70,597		70,597	26,878		26,878	U
60	0603805S	Dual Use Technology	03	4,000							U
	Advanced Technology Development (ATD)			141,347	151,651		151,651	77,279		77,279	
154	0605502S	Small Business Innovative Research	06	3,230							U
	RDT&E Management Support			3,230							
182	0607713S	Deployment and Distribution Enterprise Technology	07	733							U
245	0708011S	Industrial Preparedness	07	53,040	46,271		46,271	21,798		21,798	U
246	0708012S	Logistics Support Activities	07	2,683	2,783		2,783	2,813		2,813	U
	Operational Systems Development			56,456	49,054		49,054	24,611		24,611	
Total Defense Logistics Agency				201,033	200,705		200,705	101,890		101,890	

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Defense Security Cooperation Agency
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
179	0605127T	Regional International Outreach (RIO) and Partnership for Peace Information Mana	07	4,037	1,977		1,977	2,139		2,139	U
180	0605147T	Overseas Humanitarian Assistance Shared Information System (OHASIS)	07	473	292		292	290		290	U
Operational Systems Development				4,510	2,269		2,269	2,429		2,429	
Total Defense Security Cooperation Agency				4,510	2,269		2,269	2,429		2,429	

UNCLASSIFIED

Defense Security Service
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se c
178	0604130V	Defense Information System for Security (DISS)	07	10,914	1,378		1,378	5,522		5,522	U
		Operational Systems Development		10,914	1,378		1,378	5,522		5,522	
		Total Defense Security Service		10,914	1,378		1,378	5,522		5,522	

Defense Technical Information Center
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
158	0605801KA	Defense Technical Information Center (DTIC)	06	53,450	49,205		49,205	61,054		61,054	U
		RDT&E Management Support		53,450	49,205		49,205	61,054		61,054	
Total Defense Technical Information Center				53,450	49,205		49,205	61,054		61,054	

UNCLASSIFIED

Defense Threat Reduction Agency
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
1	0601000BR	DTRA Basic Research Initiative	01	28,798	40,848		40,848	47,412		47,412	U
	Basic Research			28,798	40,848		40,848	47,412		47,412	
21	0602718BR	Weapons of Mass Destruction Defeat Technologies	02	217,044	221,185		221,185	212,742		212,742	U
	Applied Research			217,044	221,185		221,185	212,742		212,742	
27	0603160BR	Counterproliferation Initiatives - Proliferation Prevention and Defeat	03	221,471	238,773		238,773	295,163		295,163	U
	Advanced Technology Development (ATD)			221,471	238,773		238,773	295,163		295,163	
120	0605000BR	Weapons of Mass Destruction Defeat Capabilities	05	15,499	9,489		9,489	7,307		7,307	U
	System Development and Demonstration (SDD)			15,499	9,489		9,489	7,307		7,307	
150	0605502BR	Small Business Innovation Research	06	8,076							U
	RDT&E Management Support			8,076							
Total Defense Threat Reduction Agency				490,888	510,295		510,295	562,624		562,624	

UNCLASSIFIED

Missile Defense Agency
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
28	0603175C	Ballistic Missile Defense Technology	03	117,602	189,229		189,229	132,220		132,220	U
64	0603901C	Directed Energy Research	03					98,688		98,688	U
	Advanced Technology Development (ATD)			117,602	189,229		189,229	230,908		230,908	
75	0603881C	Ballistic Missile Defense Terminal Defense Segment	04	951,414	715,732		715,732	436,482		436,482	U
76	0603882C	Ballistic Missile Defense Midcourse Defense Segment	04	1,472,683	1,027,371		1,027,371	1,346,181		1,346,181	U
77	0603883C	Ballistic Missile Defense Boost Defense Segment	04	384,365	182,317		182,317				U
79	0603884C	Ballistic Missile Defense Sensors	04	682,754	621,017		621,017	454,859		454,859	U
80	0603886C	Ballistic Missile Defense System Interceptor	04	308,869							U
81	0603888C	Ballistic Missile Defense Test & Targets	04	906,952	823,333		823,333	1,113,425		1,113,425	U
82	0603890C	BMD Enabling Programs	04	402,776	358,751		358,751	402,769		402,769	U
83	0603891C	Special Programs - MDA	04	182,998	250,185		250,185	270,189		270,189	U
84	0603892C	AEGIS BMD	04	1,054,323	1,435,717		1,435,717	1,467,278		1,467,278	U
85	0603893C	Space Tracking & Surveillance System	04	209,831	161,609		161,609	112,678		112,678	U
86	0603894C	Multiple Kill Vehicle	04	226,027							U
87	0603895C	Ballistic Missile Defense System Space Programs	04	23,250	12,492		12,492	10,942		10,942	U

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Missile Defense Agency
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
88	0603896C	Ballistic Missile Defense Command and Control, Battle Management and Communicati	04	275,174	334,734		334,734	342,625		342,625	U
89	0603897C	Ballistic Missile Defense Hercules	04	51,629	47,932		47,932				U
90	0603898C	Ballistic Missile Defense Joint Warfighter Support	04	66,283	61,098		61,098	68,726		68,726	U
91	0603904C	Missile Defense Integration & Operations Center (MDIOC)	04	102,823	86,483		86,483	86,198		86,198	U
92	0603906C	Regarding Trench	04	3,159	6,130		6,130	7,529		7,529	U
93	0603907C	Sea Based X-Band Radar (SBX)	04	143,878	167,153		167,153	153,056		153,056	U
94	0603908C	BMD European Interceptor Site	04	348,722							U
95	0603909C	BMD European Midcourse Radar	04	73,728							U
96	0603911C	BMD European Capability	04		50,226		50,226				U
97	0603912C	BMD European Communications Support	04	26,016							U
98	0603913C	Israeli Cooperative Programs	04		201,323		201,323	121,735		121,735	U
107	0604880C	Land-Based SM-3 (LBSM3)	04					281,378		281,378	U
108	0604881C	AEGIS SM-3 Block IIA Co-Development	04		255,987		255,987	318,800		318,800	U
109	0604883C	Precision Tracking Space System RDT&E	04					66,969		66,969	U
110	0604884C	Airborne Infrared (ABIR)	04					111,671		111,671	U

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Missile Defense Agency
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	S e c
	Advanced Component Development & Prototypes			7,897,654	6,799,590		6,799,590	7,173,490		7,173,490	
151	0605502C	Small Business Innovative Research - MDA	06	124,788							U
175	0901585C	Pentagon Reservation	06	20,146	19,709		19,709	20,482		20,482	U
176	0901598C	Management HQ - MDA	06	87,151	52,403		52,403	29,754		29,754	U
	RDT&E Management Support			232,085	72,112		72,112	50,236		50,236	
Total Missile Defense Agency				8,247,341	7,060,931		7,060,931	7,454,634		7,454,634	

National Geospatial Intelligence Agency
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line	Program Element <u>No</u> <u>Number</u>	<u>Item</u>	<u>Act</u>	FY 2009 <u>(Base & OCO)</u>	FY 2010 Base & OCO <u>Enacted</u>	FY 2010 Supplemental <u>Request</u>	FY 2010 <u>Total</u>	FY 2011 <u>Base</u>	FY 2011 <u>OCO</u>	FY 2011 <u>Total Request</u>	<u>S</u> <u>e</u> <u>c</u>
		Operational Systems Development		-----	-----	-----	-----	-----	-----	-----	
		Total National Geospatial Intelligence Agency		-----	-----	-----	-----	-----	-----	-----	

UNCLASSIFIED

National Security Agency
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
RDT&E Management Support											
199	0303135G	Public Key Infrastructure (PKI)	07	15,532	8,073		8,073	8,881		8,881	U
200	0303136G	Key Management Infrastructure (KMI)	07	55,435	40,782		40,782	45,941		45,941	U
202	0303140G	Information Systems Security Program	07	410,734	409,709		409,709	388,827	750	389,577	U
Operational Systems Development											
Total National Security Agency											

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Office of Secretary Of Defense
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
3	0601111D8Z	Government/Industry Cosponsorship of University Research	01	4,254	4,761		4,761				U
4	0601114D8Z	Defense Experimental Program to Stimulate Competitive Research	01	14,259							U
5	0601120D8Z	National Defense Education Program	01	67,108	79,333		79,333	109,911		109,911	U
Basic Research				85,621	84,094		84,094	109,911		109,911	
7	0602000D8Z	Joint Munitions Technology	02	14,820	18,808		18,808	22,448		22,448	U
8	0602228D8Z	Historically Black Colleges and Universities (HBCU) Science	02	4,527	66,553		66,553	15,067		15,067	U
9	0602234D8Z	Lincoln Laboratory Research Program	02	29,244	33,759		33,759	32,830		32,830	U
15	0602663D8Z	Joint Data Management Advanced Development	02					3,261		3,261	U
16	0602668D8Z	Cyber Security Research	02					10,000		10,000	U
17	0602670D8Z	Human, Social and Culture Behavior Modeling (HSCB) Applied Research	02	8,063	7,882		7,882	9,499		9,499	U
Applied Research				56,654	127,002		127,002	93,105		93,105	
24	0603000D8Z	Joint Munitions Advanced Technology	03	9,176	13,534		13,534	20,556		20,556	U
25	0603121D8Z	SO/LIC Advanced Development	03	32,314	43,453		43,453	44,423		44,423	U
26	0603122D8Z	Combating Terrorism Technology Support	03	114,990	117,153		117,153	85,299		85,299	U

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Office of Secretary Of Defense
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
29	0603200D8Z	Joint Advanced Concepts	03		3,878		3,878	6,808		6,808	U
30	0603225D8Z	Joint DoD-DoE Munitions Technology Development	03	21,678	23,088		23,088	22,700		22,700	U
35	0603618D8Z	Joint Electronic Advanced Technology	03	8,757	10,751		10,751	8,386		8,386	U
36	0603648D8Z	Joint Capability Technology Demonstrations	03	196,076	168,577		168,577	206,917		206,917	U
37	0603662D8Z	Networked Communications Capabilities	03	27,826	27,984		27,984	30,035		30,035	U
38	0603663D8Z	Joint Data Management Research	03		4,895		4,895	6,289		6,289	U
39	0603665D8Z	Biometrics Science and Technology	03	9,651	10,904		10,904	11,416		11,416	U
40	0603668D8Z	Cyber Security Advanced Research	03					10,000		10,000	U
41	0603670D8Z	Human, Social and Culture Behavior Modeling (HSCB) Advanced Development	03	8,443	10,395		10,395	11,510		11,510	U
42	0603680D8Z	Defense-Wide Manufacturing Science and Technology Program	03	17,142	23,546		23,546	18,916		18,916	U
43	0603711D8Z	Joint Robotics Program/ Autonomous Systems	03	8,385	11,020		11,020	9,943		9,943	U
46	0603716D8Z	Strategic Environmental Research Program	03	63,914	67,128		67,128	68,021		68,021	U
48	0603727D8Z	Joint Warfighting Program	03	10,244	11,045		11,045	10,966		10,966	U
50	0603745D8Z	Synthetic Aperture Radar (SAR) Coherent Change Detection (CDD)	03	7,296	4,825		4,825				U

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Office of Secretary Of Defense
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
51	0603750D8Z	Advanced Concept Technology Demonstrations	03	1,169							U
52	0603755D8Z	High Performance Computing Modernization Program	03	209,164	235,486		235,486	200,986		200,986	U
59	0603781D8Z	Software Engineering Institute	03	29,056	31,044		31,044	30,910		30,910	U
61	0603826D8Z	Quick Reaction Special Projects	03	93,802	73,583		73,583	78,244		78,244	U
62	0603828D8Z	Joint Experimentation	03	100,253	105,936		105,936	111,946		111,946	U
63	0603832D8Z	DoD Modeling and Simulation Management Office	03	30,302	34,226		34,226	38,140		38,140	U
65	0603941D8Z	Test & Evaluation Science & Technology	03	90,467	94,960		94,960	97,642		97,642	U
66	0603942D8Z	Technology Transfer	03	6,033	13,558		13,558	23,310		23,310	U
	Advanced Technology Development (ATD)			1,096,138	1,140,969		1,140,969	1,153,363		1,153,363	
70	0603161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E ADC&P	04	46,786	45,805		45,805	32,132		32,132	U
71	0603527D8Z	RETRACT LARCH	04	21,368	21,542		21,542	21,592		21,592	U
72	0603709D8Z	Joint Robotics Program	04	11,086	15,279		15,279	9,878		9,878	U
73	0603714D8Z	Advanced Sensor Applications Program	04	15,912	17,627		17,627	18,060		18,060	U
74	0603851D8Z	Environmental Security Technical Certification Program	04	36,616	40,780		40,780	30,419		30,419	U
99	0603920D8Z	Humanitarian Demining	04	13,993	14,568		14,568	14,735		14,735	U
100	0603923D8Z	Coalition Warfare	04	12,482	13,773		13,773	13,786		13,786	U

UNCLASSIFIED

Office of Secretary Of Defense
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

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101	0604016D8Z	Department of Defense Corrosion Program	04	18,387	22,107		22,107	4,802		4,802	U
102	0604400D8Z	Department of Defense (DoD) Unmanned Aircraft System (UAS) Common Development	04		60,792		60,792	49,292		49,292	U
103	0604648D8Z	Joint Capability Technology Demonstrations	04	10,829	10,988		10,988				U
104	0604670D8Z	Human, Social and Culture Behavior Modeling (HSCB) Research and Engineering	04	5,392	6,950		6,950	7,459		7,459	U
105	0604787D8Z	Joint Systems Integration Command (JSIC)	04	18,083	19,585		19,585	19,413		19,413	U
106	0604828D8Z	Joint FIRES Integration and Interoperability Team	04	15,446	16,835		16,835	16,637		16,637	U
111	0605017D8Z	Reduction Of Total Ownership Cost	04	23,113	24,447		24,447	20,310		20,310	U
112	0303191D8Z	Joint Electromagnetic Technology (JET) Program	04	4,653	6,298		6,298	4,027		4,027	U
Advanced Component Development & Prototypes				254,146	337,376		337,376	262,542		262,542	
113	0604051D8Z	Defense Acquisition Challenge Program (DACP)	05	26,979	28,629		28,629	24,344		24,344	U
114	0604161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E SDD	05	4,106	7,566		7,566	7,973		7,973	U
115	0604165D8Z	Prompt Global Strike Capability Development	05	69,636	165,563		165,563	239,861		239,861	U
117	0604709D8Z	Joint Robotics Program	05	5,420	5,086		5,086	4,155		4,155	U

UNCLASSIFIED

UNCLASSIFIED

Office of Secretary Of Defense
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
119	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	05	19,873	20,466		20,466	20,954		20,954	U
125	0605027D8Z	OUSD(C) IT Development Initiatives	05		4,961		4,961	5,000		5,000	U
126	0605140D8Z	Trusted Foundry	05	39,464	50,808		50,808	35,512		35,512	U
127	0605648D8Z	Defense Acquisition Executive (DAE) Pilot Program	05	5,392	4,232		4,232				U
130	0807708D8Z	Wounded Ill and Injured Senior Oversight Committee (WII-SOC) Staff Office	05	15,645	1,596		1,596	1,590		1,590	U
System Development and Demonstration (SDD)				186,515	288,907		288,907	339,389		339,389	
131	0603757D8Z	Training Transformation (T2)	06	54,380							U
132	0604774D8Z	Defense Readiness Reporting System (DRRS)	06	11,300	15,247		15,247	5,113		5,113	U
133	0604875D8Z	Joint Systems Architecture Development	06	18,027	11,248		11,248	8,052		8,052	U
134	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	06	143,612	160,959		160,959	162,286		162,286	U
135	0604942D8Z	Assessments and Evaluations	06					2,500		2,500	U
136	0604943D8Z	Thermal Vicar	06	9,452	11,352		11,352	8,851		8,851	U
137	0605100D8Z	Joint Mission Environment Test Capability (JMETC)	06	8,286	9,379		9,379	10,287		10,287	U
138	0605104D8Z	Technical Studies, Support and Analysis	06	34,073	44,398		44,398	49,282		49,282	U

UNCLASSIFIED

UNCLASSIFIED

Office of Secretary Of Defense
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
139	0605110D8Z	USD(A&T)--Critical Technology Support	06	4,151	4,874		4,874	4,743		4,743	U
140	0605117D8Z	Foreign Material Acquisition and Exploitation	06	62,348	94,152		94,152	95,520		95,520	U
142	0605128D8Z	Classified Program USD(P)	06	99,622	94,864		94,864				U
143	0605130D8Z	Foreign Comparative Testing	06	32,050	34,771		34,771	32,755		32,755	U
144	0605142D8Z	Systems Engineering	06					29,824		29,824	U
145	0605161D8Z	Nuclear Matters-Physical Security	06	4,331	6,422		6,422	6,264		6,264	U
146	0605170D8Z	Support to Networks and Information Integration	06	13,707	14,796		14,796	15,091		15,091	U
147	0605200D8Z	General Support to USD (Intelligence)	06	16,361	5,840		5,840	6,227		6,227	U
152	0605502D8Z	Small Business Innovative Research	06	52,812							U
155	0605790D8Z	Small Business Innovation Research (SBIR)/ Small Business Technology Transfer (S	06	5,568	4,645		4,645	2,189		2,189	U
156	0605798D8Z	Defense Technology Analysis	06	9,503	11,710		11,710	13,858		13,858	U
157	0605799D8Z	Force Transformation Directorate	06	21,421	23,787		23,787	19,701		19,701	U
160	0605804D8Z	Development Test and Evaluation	06	22,208	23,322	6,438	29,760	18,688		18,688	U
163	0606100D8Z	Budget and Program Assessments	06	5,453	5,881		5,881	6,099		6,099	U
164	0606301D8Z	Aviation Safety Technologies	06		7,936		7,936	10,900		10,900	U

UNCLASSIFIED

UNCLASSIFIED

Office of Secretary Of Defense
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
168	0303166D8Z	Support to Information Operations (IO) Capabilities	06	32,801	30,376		30,376	31,500		31,500	U
169	0303169D8Z	Information Technology Rapid Acquisition	06	4,517	4,630		4,630	5,135		5,135	U
171	0305193D8Z	Intelligence Support to Information Operations (IO)	06	17,493	20,481		20,481	21,272		21,272	U
173	0305400D8Z	Warfighting and Intelligence-Related Support	06	824	823		823	845		845	U
174	0804767D8Z	COCOM Exercise Engagement and Training Transformation (CE2T2)	06		40,375		40,375	92,253		92,253	U
RDT&E Management Support				684,300	682,268	6,438	688,706	659,235		659,235	
183	0607828D8Z	Joint Integration and Interoperability	07	45,795	45,840		45,840	44,139		44,139	U
201	0303140D8Z	Information Systems Security Program	07	13,041	14,955		14,955	14,077		14,077	U
209	0303260D8Z	Joint Military Deception Initiative	07		934		934	1,161		1,161	U
214	0305103D8Z	Cyber Security Initiative	07	992	985		985	501		501	U
217	0305125D8Z	Critical Infrastructure Protection (CIP)	07	15,594	16,590		16,590	10,486		10,486	U
221	0305186D8Z	Policy R&D Programs	07	8,870	6,892		6,892	9,136		9,136	U
223	0305199D8Z	Net Centricity	07	12,277	1,467		1,467	29,831		29,831	U
234	0305387D8Z	Homeland Defense Technology Transfer Program	07		2,939		2,939	2,988		2,988	U

UNCLASSIFIED

UNCLASSIFIED

Office of Secretary Of Defense
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

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235	0305600D8Z	International Intelligence Technology Assessment, Advancement and Integration	07		1,378		1,378	1,416		1,416	U
248	0909999D8Z	Financing for Cancelled Account Adjustments	07	4,455							U
249	1001018D8Z	NATO AGS	07	22,471	68,923		68,923	93,885		93,885	U
		Operational Systems Development		123,495	160,903		160,903	207,620		207,620	
Total Office of Secretary Of Defense				2,486,869	2,821,519	6,438	2,827,957	2,825,165		2,825,165	

UNCLASSIFIED

Special Operations Command
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
22	1160401BB	Special Operations Technology Development	02	32,167	30,606		30,606	26,545		26,545	U
23	1160407BB	SOF Medical Technology Development	02	2,361	2,390		2,390				U
Applied Research				34,528	32,996		32,996	26,545		26,545	
67	1160402BB	Special Operations Advanced Technology Development	03	78,836	56,727		56,727	30,806		30,806	U
68	1160422BB	Aviation Engineering Analysis	03		3,529		3,529	4,234		4,234	U
69	1160472BB	SOF Information and Broadcast Systems Advanced Technology	03	8,405	4,967		4,967	4,942		4,942	U
Advanced Technology Development (ATD)				87,241	65,223		65,223	39,982		39,982	
211	0304210BB	Special Applications for Contingencies	07	23,020	27,467		27,467	16,272		16,272	U
227	0305208BB	Distributed Common Ground/Surface Systems	07	763	7,701		7,701	1,290		1,290	U
232	0305219BB	MQ-1 Predator A UAV	07	13,642	2,058		2,058	98		98	U
250	1105219BB	MQ-9 UAV	07		4,362		4,362	98		98	U
251	1160279BB	Small Business Innovative Research/ Small Bus Tech Transfer Pilot Prog	07	10,206							U
252	1160403BB	Special Operations Aviation Systems Advanced Development	07	72,225	72,308		72,308	68,691		68,691	U
253	1160404BB	Special Operations Tactical Systems Development	07	15,143	6,845		6,845	1,582		1,582	U

UNCLASSIFIED

Special Operations Command
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
254	1160405BB	Special Operations Intelligence Systems Development	07	39,866	41,223		41,223	23,879	9,440	33,319	U
255	1160408BB	SOF Operational Enhancements	07	53,672	63,045		63,045	62,592		62,592	U
256	1160421BB	Special Operations CV-22 Development	07	30,970	12,634		12,634	14,406		14,406	U
257	1160423BB	Joint Multi-Mission Submersible	07		33,273		33,273	14,924		14,924	U
258	1160426BB	Operations Advanced Seal Delivery System (ASDS) Development	07	5,643	3,485		3,485				U
259	1160427BB	Mission Training and Preparation Systems (MTPS)	07	5,496	3,178		3,178	2,915		2,915	U
260	1160428BB	Unmanned Vehicles (UV)	07	41,352	996		996				U
261	1160429BB	MC130J SOF Tanker Recapitalization	07	4,474	5,932		5,932	7,624		7,624	U
262	1160474BB	SOF Communications Equipment and Electronics Systems	07		730		730	1,922		1,922	U
263	1160476BB	SOF Tactical Radio Systems	07		2,358		2,358	2,347		2,347	U
264	1160477BB	SOF Weapons Systems	07	3,857	1,077		1,077	479		479	U
265	1160478BB	SOF Soldier Protection and Survival Systems	07	3,040	594		594	593		593	U
266	1160479BB	SOF Visual Augmentation, Lasers and Sensor Systems	07	6,485	8,533		8,533				U
267	1160480BB	SOF Tactical Vehicles	07	1,600	1,965		1,965	1,994		1,994	U
268	1160482BB	SOF Rotary Wing Aviation	07	3,202	18,784		18,784	14,473		14,473	U

UNCLASSIFIED

UNCLASSIFIED

Special Operations Command
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
269	1160483BB	SOF Underwater Systems	07	8,572	18,774		18,774	13,986		13,986	U
270	1160484BB	SOF Surface Craft	07	6,232	9,959		9,959	2,933		2,933	U
271	1160488BB	SOF PSYOP	07	8,251	9,846		9,846	4,193		4,193	U
272	1160489BB	SOF Global Video Surveillance Activities	07	13,914	4,923		4,923	5,135		5,135	U
273	1160490BB	SOF Operational Enhancements Intelligence	07	7,005	11,499		11,499	9,167		9,167	U
Operational Systems Development				378,630	373,549		373,549	271,593	9,440	281,033	
Total Special Operations Command				500,399	471,768		471,768	338,120	9,440	347,560	

UNCLASSIFIED

The Joint Staff
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Se
141	0605126J	Joint Integrated Air and Missile Defense Organization (JIAMDO)	06	55,282	96,505		96,505	94,577		94,577	U
165	0204571J	Joint Staff Analytical Support	06		1,654		1,654	23,081		23,081	U
		RDT&E Management Support		55,282	98,159		98,159	117,658		117,658	
184	0204571J	Joint Staff Analytical Support	07	7,618							U
185	0208043J	Classified Programs	07	1,723	2,170		2,170	2,288		2,288	U
205	0303149J	C4I for the Warrior	07	3,652	4,081		4,081	2,261		2,261	U
247	0902298J	Management Headquarters (JCS)	07	3,392	7,535		7,535	2,807		2,807	U
		Operational Systems Development		16,385	13,786		13,786	7,356		7,356	
Total The Joint Staff				71,667	111,945		111,945	125,014		125,014	

UNCLASSIFIED

Washington Headquarters Service
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

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

Date: Feb 2010

Line	Program Element <u>No</u> <u>Number</u>	<u>Item</u>	<u>Act</u>	FY 2009 (Base & OCO)	FY 2010 Base & OCO <u>Enacted</u>	FY 2010 Supplemental <u>Request</u>	FY 2010 <u>Total</u>	FY 2011 <u>Base</u>	FY 2011 <u>OCO</u>	FY 2011 <u>Total Request</u>	<u>S</u> <u>e</u> <u>c</u>
177	0901598D8W	IT Software Dev Initiatives	06	564	976		976	278		278	U
	RDT&E Management Support			564	976		976	278		278	
Total Washington Headquarters Service				564	976		976	278		278	