

UNCLASSIFIED

Department of Defense
 FY 2021 President's Budget
 Exhibit R-1 FY 2021 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

10 Feb 2020

Appropriation	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted (Base+Emerg+ OCO)
Research, Development, Test & Eval, DW	24,300,844	25,938,027		394,260	26,332,287
Operational Test & Eval, Defense	377,001	227,700			227,700
Total Research, Development, Test & Evaluation	24,677,845	26,165,727		394,260	26,559,987
Other RDT&E Budget Activities Not Included in the Research, Development, Test and Evaluation Title					
Office of the Inspector General	3,977	2,965			2,965
Defense Health Program	2,179,621	2,306,095			2,306,095
Chem Agents & Munitions Destruction	666,863	875,930			875,930
Total Not in Research, Development, Test & Evaluati	2,850,461	3,184,990			3,184,990

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Appropriation	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)
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Research, Development, Test & Eval, DW	24,280,891		82,818	82,818	24,363,709
Operational Test & Eval, Defense	210,090				210,090
Total Research, Development, Test & Evaluation	24,490,981		82,818	82,818	24,573,799
Other RDT&E Budget Activities Not Included in the Research, Development, Test and Evaluation Title					

Office of the Inspector General	1,098				1,098
Defense Health Program	562,465				562,465
Chem Agents & Munitions Destruction	782,193				782,193
Total Not in Research, Development, Test & Evaluati	1,345,756				1,345,756

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Summary Recap of Budget Activities	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted (Base+Emerg+ OCO)
Basic Research	777,142	828,300			828,300
Applied Research	1,873,730	1,994,528		1,677	1,996,205
Advanced Technology Development	3,660,195	3,906,848		74,758	3,981,606
Advanced Component Development & Prototypes	9,821,379	10,448,295		113,590	10,561,885
System Development & Demonstration	1,109,307	883,867			883,867
Management Support	2,156,531	1,838,837			1,838,837
Operational Systems Development	5,279,561	6,265,052		204,235	6,469,287
Software And Digital Technology Pilot Programs					
Total Research, Development, Test & Evaluation	24,677,845	26,165,727		394,260	26,559,987
Summary Recap of FYDP Programs					
General Purpose Forces	90,905	85,912			85,912
Intelligence and Communications	842,966	1,031,122			1,031,122
Research and Development	18,768,229	19,365,985		190,025	19,556,010
Central Supply and Maintenance	4,761	6,611			6,611
Training Medical and Other	43,600	40,173			40,173
Administration and Associated Activities	34,479	33,155			33,155
Special Operations Forces	606,348	833,768		11,726	845,494
Space	132,966	277,456			277,456
Classified Programs	4,153,591	4,491,545		192,509	4,684,054
Total Research, Development, Test & Evaluation	24,677,845	26,165,727		394,260	26,559,987

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	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)
Summary Recap of Budget Activities					

Basic Research	760,386				760,386
Applied Research	1,976,390		3,699	3,699	1,980,089
Advanced Technology Development	3,588,876		23,149	23,149	3,612,025
Advanced Component Development & Prototypes	9,416,712		19,931	19,931	9,436,643
System Development & Demonstration	603,808				603,808
Management Support	1,507,482				1,507,482
Operational Systems Development	6,161,946		36,039	36,039	6,197,985
Software And Digital Technology Pilot Programs	475,381				475,381
Total Research, Development, Test & Evaluation	24,490,981		82,818	82,818	24,573,799
Summary Recap of FYDP Programs					

General Purpose Forces	69,009				69,009
Intelligence and Communications	997,390				997,390
Research and Development	17,492,921		46,779	46,779	17,539,700
Central Supply and Maintenance	10,740				10,740
Training Medical and Other	31,225				31,225
Administration and Associated Activities	30,040				30,040
Special Operations Forces	713,740		11,982	11,982	725,722
Space	357,867				357,867
Classified Programs	4,788,049		24,057	24,057	4,812,106
Total Research, Development, Test & Evaluation	24,490,981		82,818	82,818	24,573,799

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	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted (Base+Emerg+ OCO)
<u>Summary Recap of Non-RDT&E Title FYDP Programs</u>					
Research and Development	2,179,621	2,306,095			2,306,095
Central Supply and Maintenance	666,863	875,930			875,930
Administration and Associated Activities	3,977	2,965			2,965
Total Research, Development, Test & Evaluation	2,850,461	3,184,990			3,184,990

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	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)
<u>Summary Recap of Non-RDT&E Title FYDP Programs</u>					
Research and Development	562,465				562,465
Central Supply and Maintenance	782,193				782,193
Administration and Associated Activities	1,098				1,098
Total Research, Development, Test & Evaluation	1,345,756				1,345,756

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	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted (Base+Emerg+ OCO)
<u>Summary Recap of Budget Activities</u>					
Basic Research	777,142	828,300			828,300
Applied Research	1,873,730	1,994,528		1,677	1,996,205
Advanced Technology Development	3,660,195	3,906,848		74,758	3,981,606
Advanced Component Development & Prototypes	9,821,379	10,448,295		113,590	10,561,885
System Development & Demonstration	1,109,307	883,867			883,867
Management Support	1,779,530	1,611,137			1,611,137
Operational Systems Development	5,279,561	6,265,052		204,235	6,469,287
Software And Digital Technology Pilot Programs					
Total Research, Development, Test & Evaluation	24,300,844	25,938,027		394,260	26,332,287
<u>Summary Recap of FYDP Programs</u>					
General Purpose Forces	90,905	85,912			85,912
Intelligence and Communications	842,966	1,031,122			1,031,122
Research and Development	18,391,228	19,138,285		190,025	19,328,310
Central Supply and Maintenance	4,761	6,611			6,611
Training Medical and Other	43,600	40,173			40,173
Administration and Associated Activities	34,479	33,155			33,155
Special Operations Forces	606,348	833,768		11,726	845,494
Space	132,966	277,456			277,456
Classified Programs	4,153,591	4,491,545		192,509	4,684,054
Total Research, Development, Test & Evaluation	24,300,844	25,938,027		394,260	26,332,287

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	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)
<u>Summary Recap of Budget Activities</u>					
Basic Research	760,386				760,386
Applied Research	1,976,390		3,699	3,699	1,980,089
Advanced Technology Development	3,588,876		23,149	23,149	3,612,025
Advanced Component Development & Prototypes	9,416,712		19,931	19,931	9,436,643
System Development & Demonstration	603,808				603,808
Management Support	1,297,392				1,297,392
Operational Systems Development	6,161,946		36,039	36,039	6,197,985
Software And Digital Technology Pilot Programs	475,381				475,381
Total Research, Development, Test & Evaluation	24,280,891		82,818	82,818	24,363,709
<u>Summary Recap of FYDP Programs</u>					
General Purpose Forces	69,009				69,009
Intelligence and Communications	997,390				997,390
Research and Development	17,282,831		46,779	46,779	17,329,610
Central Supply and Maintenance	10,740				10,740
Training Medical and Other	31,225				31,225
Administration and Associated Activities	30,040				30,040
Special Operations Forces	713,740		11,982	11,982	725,722
Space	357,867				357,867
Classified Programs	4,788,049		24,057	24,057	4,812,106
Total Research, Development, Test & Evaluation	24,280,891		82,818	82,818	24,363,709

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Appropriation	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted (Base+Emerg+ OCO)
Chemical and Biological Defense Program	998,721	1,066,187			1,066,187
Defense Advanced Research Projects Agency	3,425,549	3,458,321			3,458,321
Defense Contract Audit Agency	2,600	1,600			1,600
Defense Contract Management Agency	2,090	3,495			3,495
Defense Counterintelligence & Security Agency					
Defense-Wide		3,000			3,000
Defense Human Resources Activity	24,290	36,843			36,843
Defense Intelligence Agency					
Defense Information Systems Agency	326,302	497,936			497,936
Defense Logistics Agency	332,136	315,202			315,202
Defense Security Cooperative Agency	7,734	14,257			14,257
Defense Technical Information Center	60,977	60,743			60,743
Defense Threat Reduction Agency	663,254	543,261		164,795	708,056
Missile Defense Agency	7,246,099	8,138,197			8,138,197
National Geospatial Intelligence Agency					
National Security Agency					
Office of Secretary of Defense	5,984,436	5,827,044		25,230	5,852,274
Space Development Agency		95,000			95,000
U.S., Special Operations Command	612,634	840,127		11,726	851,853
The Joint Staff	134,265	150,246			150,246

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Appropriation	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)
Chemical and Biological Defense Program	993,732				993,732
Defense Advanced Research Projects Agency	3,566,348				3,566,348
Defense Contract Audit Agency	2,198				2,198
Defense Contract Management Agency	1,441				1,441
Defense Counterintelligence & Security Agency					
Defense-Wide					
Defense Human Resources Activity	37,919				37,919
Defense Intelligence Agency					
Defense Information Systems Agency	396,750				396,750
Defense Logistics Agency	206,947				206,947
Defense Security Cooperative Agency	6,294				6,294
Defense Technical Information Center	62,206				62,206
Defense Threat Reduction Agency	576,997		27,491	27,491	604,488
Missile Defense Agency	7,169,641				7,169,641
National Geospatial Intelligence Agency					
National Security Agency					
Office of Secretary of Defense	4,772,874		19,288	19,288	4,792,162
Space Development Agency	288,416				288,416
U.S., Special Operations Command	719,806		11,982	11,982	731,788
The Joint Staff	118,451				118,451

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Appropriation -----	FY 2019	FY 2020	FY 2020	FY 2020	FY 2020
	(Base + OCO)	Base Enacted	Emergency	OCO Enacted	Total Enacted (Base+Emerg+ OCO)
Washington Headquarters Services	30,198	1,000			1,000
Total Research, Development, Test & Evaluation	24,300,844	25,938,027		394,260	26,332,287

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Washington Headquarters Services	999				999
Total Research, Development, Test & Evaluation	24,280,891		82,818	82,818	24,363,709

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

Line No	Program Element Number	Item	Act	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted S (Base+Emerg+ e OCO) c
1	0601000BR	DTRA Basic Research	01	36,148	26,000			26,000 U
2	0601101E	Defense Research Sciences	01	423,895	432,284			432,284 U
3	0601110D8Z	Basic Research Initiatives	01	55,195	70,874			70,874 U
4	0601117E	Basic Operational Medical Research Science	01	49,692	54,122			54,122 U
5	0601120D8Z	National Defense Education Program	01	132,743	144,074			144,074 U
6	0601228D8Z	Historically Black Colleges and Universities/Minority Institutions	01	38,568	52,708			52,708 U
7	0601384BP	Chemical and Biological Defense Program	01	40,901	48,238			48,238 U
		Basic Research		777,142	828,300			828,300
8	0602000D8Z	Joint Munitions Technology	02	19,067	19,306			19,306 U
9	0602115E	Biomedical Technology	02	94,423	92,771			92,771 U
10	0602134BR	Counter Improvised-Threat Advanced Studies	02				1,677	1,677 U
11	0602230D8Z	Defense Technology Innovation	02					U
12	0602234D8Z	Lincoln Laboratory Research Program	02	49,647	52,317			52,317 U
13	0602251D8Z	Applied Research for the Advancement of S&T Priorities	02	59,567	60,400			60,400 U
14	0602303E	Information & Communications Technology	02	401,453	428,556			428,556 U
15	0602383E	Biological Warfare Defense	02	31,951	34,588			34,588 U

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Line No	Program Element Number	Item	Act	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)	Se
1	0601000BR	DTRA Basic Research	01	14,617				14,617	U
2	0601101E	Defense Research Sciences	01	479,958				479,958	U
3	0601110D8Z	Basic Research Initiatives	01	35,565				35,565	U
4	0601117E	Basic Operational Medical Research Science	01	53,730				53,730	U
5	0601120D8Z	National Defense Education Program	01	100,241				100,241	U
6	0601228D8Z	Historically Black Colleges and Universities/Minority Institutions	01	30,975				30,975	U
7	0601384BP	Chemical and Biological Defense Program	01	45,300				45,300	U
		Basic Research		760,386				760,386	
8	0602000D8Z	Joint Munitions Technology	02	19,409				19,409	U
9	0602115E	Biomedical Technology	02	107,568				107,568	U
10	0602134BR	Counter Improvised-Threat Advanced Studies	02			3,699	3,699	3,699	U
11	0602230D8Z	Defense Technology Innovation	02	35,000				35,000	U
12	0602234D8Z	Lincoln Laboratory Research Program	02	41,080				41,080	U
13	0602251D8Z	Applied Research for the Advancement of S&T Priorities	02	60,722				60,722	U
14	0602303E	Information & Communications Technology	02	435,920				435,920	U
15	0602383E	Biological Warfare Defense	02	26,950				26,950	U

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Line	Program Element No Number	Item	Act	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted S (Base+Emerg+ e OCO) c
16	0602384BP	Chemical and Biological Defense Program	02	189,614	215,057			215,057 U
17	0602668D8Z	Cyber Security Research	02	14,594	25,118			25,118 U
18	0602702E	Tactical Technology	02	295,118	313,002			313,002 U
19	0602715E	Materials and Biological Technology	02	192,774	214,976			214,976 U
20	0602716E	Electronics Technology	02	331,905	317,192			317,192 U
21	0602718BR	Counter Weapons of Mass Destruction Applied Research	02	150,040	174,096			174,096 U
22	0602751D8Z	Software Engineering Institute (SEI) Applied Research	02	8,942	9,580			9,580 U
23	1160401BB	SOF Technology Development	02	34,635	37,569			37,569 U
		Applied Research		1,873,730	1,994,528		1,677	1,996,205
24	0603000D8Z	Joint Munitions Advanced Technology	03	25,462	25,779			25,779 U
25	0603121D8Z	SO/LIC Advanced Development	03		5,000			5,000 U
26	0603122D8Z	Combating Terrorism Technology Support	03	168,012	91,517		25,230	116,747 U
27	0603133D8Z	Foreign Comparative Testing	03	23,867	24,970			24,970 U
28	0603134BR	Counter Improvised-Threat Simulation	03	13,648			49,528	49,528 U
29	0603160BR	Counter Weapons of Mass Destruction Advanced Technology Development	03	275,246	330,065			330,065 U

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Line No	Program Element Number	Item	Act	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)	Se
16	0602384BP	Chemical and Biological Defense Program	02	201,807				201,807	U
17	0602668D8Z	Cyber Security Research	02	15,255				15,255	U
18	0602702E	Tactical Technology	02	233,271				233,271	U
19	0602715E	Materials and Biological Technology	02	250,107				250,107	U
20	0602716E	Electronics Technology	02	322,693				322,693	U
21	0602718BR	Counter Weapons of Mass Destruction Applied Research	02	174,571				174,571	U
22	0602751D8Z	Software Engineering Institute (SEI) Applied Research	02	9,573				9,573	U
23	1160401BB	SOF Technology Development	02	42,464				42,464	U
		Applied Research		1,976,390		3,699	3,699	1,980,089	
24	0603000D8Z	Joint Munitions Advanced Technology	03	22,920				22,920	U
25	0603121D8Z	SO/LIC Advanced Development	03	4,914				4,914	U
26	0603122D8Z	Combating Terrorism Technology Support	03	51,089		19,288	19,288	70,377	U
27	0603133D8Z	Foreign Comparative Testing	03	25,183				25,183	U
28	0603134BR	Counter Improvised-Threat Simulation	03			3,861	3,861	3,861	U
29	0603160BR	Counter Weapons of Mass Destruction Advanced Technology Development	03	366,659				366,659	U

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Line No	Program Element Number	Item	Act	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted S (Base+Emerg+ e OCO) c
30	0603176C	Advanced Concepts and Performance Assessment	03	12,720	46,201			46,201 U
31	0603178C	Weapons Technology	03	13,400				U
32	0603180C	Advanced Research	03	42,100	27,674			27,674 U
33	0603225D8Z	Joint DoD-DoE Munitions Technology Development	03	17,941	18,773			18,773 U
34	0603286E	Advanced Aerospace Systems	03	287,907	279,741			279,741 U
35	0603287E	Space Programs and Technology	03	256,181	190,306			190,306 U
36	0603288D8Z	Analytic Assessments	03	17,768	18,429			18,429 U
37	0603289D8Z	Advanced Innovative Analysis and Concepts	03	36,344	37,645			37,645 U
38	0603291D8Z	Advanced Innovative Analysis and Concepts - MHA	03	13,286	14,668			14,668 U
39	0603294C	Common Kill Vehicle Technology	03	55,549	13,600			13,600 U
40	0603338D8Z	Defense Modernization and Prototyping	03					U
41	0603342D8W	Defense Innovation Unit Experimental (DIUx)	03	29,198				U
42	0603342D8Z	Defense Innovation Unit (DIU)	03		29,398			29,398 U
43	0603375D8Z	Technology Innovation	03	25,856	30,000			30,000 U
44	0603384BP	Chemical and Biological Defense Program - Advanced Development	03	140,740	175,486			175,486 U
45	0603527D8Z	RETRACT LARCH	03	161,453	159,688			159,688 U

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Line No	Program Element Number	Item	Act	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)	Se
30	0603176C	Advanced Concepts and Performance Assessment	03	14,910				14,910	U
31	0603178C	Weapons Technology	03						U
32	0603180C	Advanced Research	03	18,687				18,687	U
33	0603225D8Z	Joint DoD-DoE Munitions Technology Development	03	18,873				18,873	U
34	0603286E	Advanced Aerospace Systems	03	230,978				230,978	U
35	0603287E	Space Programs and Technology	03	158,439				158,439	U
36	0603288D8Z	Analytic Assessments	03	23,775				23,775	U
37	0603289D8Z	Advanced Innovative Analysis and Concepts	03	36,524				36,524	U
38	0603291D8Z	Advanced Innovative Analysis and Concepts - MHA	03	14,703				14,703	U
39	0603294C	Common Kill Vehicle Technology	03	11,058				11,058	U
40	0603338D8Z	Defense Modernization and Prototyping	03	133,375				133,375	U
41	0603342D8W	Defense Innovation Unit Experimental (DIUx)	03						U
42	0603342D8Z	Defense Innovation Unit (DIU)	03	26,141				26,141	U
43	0603375D8Z	Technology Innovation	03	27,709				27,709	U
44	0603384BP	Chemical and Biological Defense Program - Advanced Development	03	188,001				188,001	U
45	0603527D8Z	RETRACT LARCH	03	130,283				130,283	U

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46	0603618D8Z	Joint Electronic Advanced Technology	03	12,680	12,063			12,063 U
47	0603648D8Z	Joint Capability Technology Demonstrations	03	102,494	89,859			89,859 U
48	0603662D8Z	Networked Communications Capabilities	03	12,291	2,858			2,858 U
49	0603680D8Z	Defense-Wide Manufacturing Science and Technology Program	03	171,749	197,397			197,397 U
50	0603680S	Manufacturing Technology Program	03	62,396	51,002			51,002 U
51	0603699D8Z	Emerging Capabilities Technology Development	03	59,350	109,411			109,411 U
52	0603712S	Generic Logistics R&D Technology Demonstrations	03	18,127	16,620			16,620 U
53	0603716D8Z	Strategic Environmental Research Program	03	75,485	66,157			66,157 U
54	0603720S	Microelectronics Technology Development and Support	03	192,926	200,530			200,530 U
55	0603727D8Z	Joint Warfighting Program	03	5,161	4,846			4,846 U
56	0603739E	Advanced Electronics Technologies	03	100,042	123,616			123,616 U
57	0603760E	Command, Control and Communications Systems	03	178,074	229,134			229,134 U
58	0603766E	Network-Centric Warfare Technology	03	413,948	507,424			507,424 U
59	0603767E	Sensor Technology	03	174,094	158,903			158,903 U
60	0603769D8Z	Distributed Learning Advanced Technology Development	03	13,414	22,446			22,446 U

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46	0603618D8Z	Joint Electronic Advanced Technology	03	15,164				15,164	U
47	0603648D8Z	Joint Capability Technology Demonstrations	03	85,452				85,452	U
48	0603662D8Z	Networked Communications Capabilities	03	5,882				5,882	U
49	0603680D8Z	Defense-Wide Manufacturing Science and Technology Program	03	93,817				93,817	U
50	0603680S	Manufacturing Technology Program	03	40,025				40,025	U
51	0603699D8Z	Emerging Capabilities Technology Development	03						U
52	0603712S	Generic Logistics R&D Technology Demonstrations	03	10,235				10,235	U
53	0603716D8Z	Strategic Environmental Research Program	03	53,862				53,862	U
54	0603720S	Microelectronics Technology Development and Support	03	124,049				124,049	U
55	0603727D8Z	Joint Warfighting Program	03	3,871				3,871	U
56	0603739E	Advanced Electronics Technologies	03	95,864				95,864	U
57	0603760E	Command, Control and Communications Systems	03	221,724				221,724	U
58	0603766E	Network-Centric Warfare Technology	03	661,158				661,158	U
59	0603767E	Sensor Technology	03	200,220				200,220	U
60	0603769D8Z	Distributed Learning Advanced Technology Development	03	6,765				6,765	U

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61	0603781D8Z	Software Engineering Institute	03	15,016	15,111			15,111 U
62	0603826D8Z	Quick Reaction Special Projects	03	57,004	35,647			35,647 U
63	0603833D8Z	Engineering Science & Technology	03	18,895	19,376			19,376 U
64	0603924D8Z	High Energy Laser Advanced Technology Program	03	71,819	80,723			80,723 U
65	0603941D8Z	Test & Evaluation Science & Technology	03	114,559	191,574			191,574 U
66	0603950D8Z	National Security Innovation Network	03		40,000			40,000 U
67	0604055D8Z	Operational Energy Capability Improvement	03	44,362	64,900			64,900 U
68	0303310D8Z	CWMD Systems	03	25,619	28,907			28,907 U
69	0303367D8Z	Spectrum Access Research and Development	03	27,002				U
70	1160402BB	SOF Advanced Technology Development	03	77,010	99,404			99,404 U
71	1206310SDA	Space Science and Technology Research and Development	03		20,000			20,000 U
		Advanced Technology Development		3,660,195	3,906,848		74,758	3,981,606
72	0603161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E ADC&P	04	27,123	42,695			42,695 U
73	0603600D8Z	WALKOFF	04	89,376	92,791			92,791 U
74	0603821D8Z	Acquisition Enterprise Data & Information Services	04	2,500	5,659			5,659 U

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61	0603781D8Z	Software Engineering Institute	03	12,598				12,598	U
62	0603826D8Z	Quick Reaction Special Projects	03						U
63	0603833D8Z	Engineering Science & Technology	03						U
64	0603924D8Z	High Energy Laser Advanced Technology Program	03	105,410				105,410	U
65	0603941D8Z	Test & Evaluation Science & Technology	03	187,065				187,065	U
66	0603950D8Z	National Security Innovation Network	03						U
67	0604055D8Z	Operational Energy Capability Improvement	03						U
68	0303310D8Z	CWMD Systems	03						U
69	0303367D8Z	Spectrum Access Research and Development	03						U
70	1160402BB	SOF Advanced Technology Development	03	89,072				89,072	U
71	1206310SDA	Space Science and Technology Research and Development	03	72,422				72,422	U
		Advanced Technology Development		3,588,876		23,149	23,149	3,612,025	
72	0603161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E ADC&P	04	32,636				32,636	U
73	0603600D8Z	WALKOFF	04	106,529				106,529	U
74	0603821D8Z	Acquisition Enterprise Data & Information Services	04						U

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75	0603851D8Z	Environmental Security Technical Certification Program	04	41,058	68,572			68,572 U
76	0603881C	Ballistic Missile Defense Terminal Defense Segment	04	383,369	306,761			306,761 U
77	0603882C	Ballistic Missile Defense Midcourse Defense Segment	04	790,316	1,303,716			1,303,716 U
78	0603884BP	Chemical and Biological Defense Program - Dem/Val	04	115,452	80,162			80,162 U
79	0603884C	Ballistic Missile Defense Sensors	04	382,759	352,288			352,288 U
80	0603890C	BMD Enabling Programs	04	614,855	634,449			634,449 U
81	0603891C	Special Programs - MDA	04	418,722	512,098			512,098 U
82	0603892C	AEGIS BMD	04	724,731	737,269			737,269 U
83	0603896C	Ballistic Missile Defense Command and Control, Battle Management and Communicati	04	500,965	549,756			549,756 U
84	0603898C	Ballistic Missile Defense Joint Warfighter Support	04	48,401	51,532			51,532 U
85	0603904C	Missile Defense Integration & Operations Center (MDIOC)	04	51,689	56,161			56,161 U
86	0603906C	Regarding Trench	04	16,512	22,424			22,424 U
87	0603907C	Sea Based X-Band Radar (SBX)	04	125,900	128,156			128,156 U
88	0603913C	Israeli Cooperative Programs	04	300,000	300,000			300,000 U
89	0603914C	Ballistic Missile Defense Test	04	510,292	399,738			399,738 U
90	0603915C	Ballistic Missile Defense Targets	04	561,349	542,939			542,939 U

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75	0603851D8Z	Environmental Security Technical Certification Program	04	61,345				61,345	U
76	0603881C	Ballistic Missile Defense Terminal Defense Segment	04	412,627				412,627	U
77	0603882C	Ballistic Missile Defense Midcourse Defense Segment	04	1,004,305				1,004,305	U
78	0603884BP	Chemical and Biological Defense Program - Dem/Val	04	76,167				76,167	U
79	0603884C	Ballistic Missile Defense Sensors	04	281,957				281,957	U
80	0603890C	BMD Enabling Programs	04	599,380				599,380	U
81	0603891C	Special Programs - MDA	04	420,216				420,216	U
82	0603892C	AEGIS BMD	04	814,936				814,936	U
83	0603896C	Ballistic Missile Defense Command and Control, Battle Management and Communicati	04	593,353				593,353	U
84	0603898C	Ballistic Missile Defense Joint Warfighter Support	04	49,560				49,560	U
85	0603904C	Missile Defense Integration & Operations Center (MDIOC)	04	55,356				55,356	U
86	0603906C	Regarding Trench	04	11,863				11,863	U
87	0603907C	Sea Based X-Band Radar (SBX)	04	118,318				118,318	U
88	0603913C	Israeli Cooperative Programs	04	300,000				300,000	U
89	0603914C	Ballistic Missile Defense Test	04	378,302				378,302	U
90	0603915C	Ballistic Missile Defense Targets	04	536,133				536,133	U

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91	0603920D8Z	Humanitarian Demining	04	10,952	14,700			14,700 U
92	0603923D8Z	Coalition Warfare	04	8,379	11,316			11,316 U
93	0604011D8Z	Next Generation Information Communications Technology (5G)	04	52,000	200,000			200,000 U
94	0604016D8Z	Department of Defense Corrosion Program	04	9,281	13,165			13,165 U
95	0604115C	Technology Maturation Initiatives	04	312,074	264,520			264,520 U
96	0604132D8Z	Missile Defeat Project	04	41,961	14,816			14,816 U
97	0604134BR	Counter Improvised-Threat Demonstration, Prototype Development, and Testing	04	169,638			113,590	113,590 U
98	0604181C	Hypersonic Defense	04	132,612	390,204			390,204 U
99	0604250D8Z	Advanced Innovative Technologies	04	1,347,956	1,133,365			1,133,365 U
100	0604294D8Z	Trusted & Assured Microelectronics	04	517,356	547,421			547,421 U
101	0604331D8Z	Rapid Prototyping Program	04	96,196	72,351			72,351 U
102	0604341D8Z	Defense Innovation Unit (DIU) Prototyping	04		17,000			17,000 U
103	0604400D8Z	Department of Defense (DoD) Unmanned System Common Development	04	7,625	7,021			7,021 U
104	0604532D8Z	Joint Artificial Intelligence	04	12,968				U
105	0604672C	Homeland Defense Radar - Hawaii (HDR-H)	04	70,735	188,480			188,480 U
106	0604673C	Pacific Discriminating Radar	04	14,453	6,711			6,711 U

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91	0603920D8Z	Humanitarian Demining	04						U
92	0603923D8Z	Coalition Warfare	04	10,129				10,129	U
93	0604011D8Z	Next Generation Information Communications Technology (5G)	04	449,000				449,000	U
94	0604016D8Z	Department of Defense Corrosion Program	04	3,325				3,325	U
95	0604115C	Technology Maturation Initiatives	04	67,389				67,389	U
96	0604132D8Z	Missile Defeat Project	04						U
97	0604134BR	Counter Improvised-Threat Demonstration, Prototype Development, and Testing	04			19,931	19,931	19,931	U
98	0604181C	Hypersonic Defense	04	206,832				206,832	U
99	0604250D8Z	Advanced Innovative Technologies	04	730,508				730,508	U
100	0604294D8Z	Trusted & Assured Microelectronics	04	489,076				489,076	U
101	0604331D8Z	Rapid Prototyping Program	04	102,023				102,023	U
102	0604341D8Z	Defense Innovation Unit (DIU) Prototyping	04	13,255				13,255	U
103	0604400D8Z	Department of Defense (DoD) Unmanned System Common Development	04	2,787				2,787	U
104	0604532D8Z	Joint Artificial Intelligence	04						U
105	0604672C	Homeland Defense Radar - Hawaii (HDR-H)	04						U
106	0604673C	Pacific Discriminating Radar	04						U

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107	0604682D8Z	Wargaming and Support for Strategic Analysis (SSA)	04	3,621	3,751			3,751 U
108	0604775D8Z	Defense Rapid Innovation Program	04	241,194				U
109	0604826J	Joint C5 Capability Development, Integration and interoperability Assessments	04	21,904	20,062			20,062 U
110	0604873C	Long Range Discrimination Radar (LRDR)	04	172,705	136,423			136,423 U
111	0604874C	Improved Homeland Defense Interceptors	04	407,858	515,000			515,000 U
112	0604876C	Ballistic Missile Defense Terminal Defense Segment Test	04	57,972	25,137			25,137 U
113	0604878C	Aegis BMD Test	04	92,160	169,822			169,822 U
114	0604879C	Ballistic Missile Defense Sensor Test	04	71,905	105,530			105,530 U
115	0604880C	Land-Based SM-3 (LBSM3)	04	25,200	38,352			38,352 U
116	0604887C	Ballistic Missile Defense Midcourse Segment Test	04	72,634	98,139			98,139 U
117	0604894C	Multi-Object Kill Vehicle	04	5,754				U
118	0300206R	Enterprise Information Technology Systems	04	2,600	1,600			1,600 U
119	0303191D8Z	Joint Electromagnetic Technology (JET) Program	04	3,096	3,191			3,191 U
120	0305103C	Cyber Security Initiative	04	961	11,138			11,138 U
121	1206410SDA	Space Technology Development and Prototyping	04		75,000			75,000 U

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107	0604682D8Z	Wargaming and Support for Strategic Analysis (SSA)	04	3,469				3,469	U
108	0604775D8Z	Defense Rapid Innovation Program	04						U
109	0604826J	Joint C5 Capability Development, Integration and interoperability Assessments	04	19,190				19,190	U
110	0604873C	Long Range Discrimination Radar (LRDR)	04	137,256				137,256	U
111	0604874C	Improved Homeland Defense Interceptors	04	664,138				664,138	U
112	0604876C	Ballistic Missile Defense Terminal Defense Segment Test	04	7,768				7,768	U
113	0604878C	Aegis BMD Test	04	170,880				170,880	U
114	0604879C	Ballistic Missile Defense Sensor Test	04	76,456				76,456	U
115	0604880C	Land-Based SM-3 (LBSM3)	04	56,628				56,628	U
116	0604887C	Ballistic Missile Defense Midcourse Segment Test	04	67,071				67,071	U
117	0604894C	Multi-Object Kill Vehicle	04						U
118	0300206R	Enterprise Information Technology Systems	04	2,198				2,198	U
119	0303191D8Z	Joint Electromagnetic Technology (JET) Program	04	997				997	U
120	0305103C	Cyber Security Initiative	04	1,148				1,148	U
121	1206410SDA	Space Technology Development and Prototyping	04	215,994				215,994	U

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122	1206893C	Space Tracking & Surveillance System	04	36,114	36,349			36,349 U
123	1206895C	Ballistic Missile Defense System Space Programs	04	96,146	140,565			140,565 U
		Advanced Component Development & Prototypes		9,821,379	10,448,295		113,590	10,561,885
124	0604161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E SDD	05	8,185	11,276			11,276 U
125	0604165D8Z	Prompt Global Strike Capability Development	05	525,670	151,000			151,000 U
126	0604384BP	Chemical and Biological Defense Program - EMD	05	344,745	385,047			385,047 U
127	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	05	46,210	54,102			54,102 U
128	0605000BR	Counter Weapons of Mass Destruction Systems Development	05	7,219	13,100			13,100 U
129	0605013BL	Information Technology Development	05	2,090	3,070			3,070 U
130	0605021SE	Homeland Personnel Security Initiative	05	285	7,295			7,295 U
131	0605022D8Z	Defense Exportability Program	05	1,455	12,115			12,115 U
132	0605027D8Z	OUSD(C) IT Development Initiatives	05	9,219	9,590			9,590 U
133	0605070S	DOD Enterprise Systems Development and Demonstration	05	3,057	2,291			2,291 U
134	0605075D8Z	CMO Policy and Integration	05	2,100	1,618			1,618 U
135	0605080S	Defense Agency Initiatives (DAI) - Financial System	05	20,384	23,114			23,114 U

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122	1206893C	Space Tracking & Surveillance System	04	34,144				34,144	U
123	1206895C	Ballistic Missile Defense System Space Programs	04	32,068				32,068	U
		Advanced Component Development & Prototypes		9,416,712		19,931	19,931	9,436,643	
124	0604161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E SDD	05	7,173				7,173	U
125	0604165D8Z	Prompt Global Strike Capability Development	05						U
126	0604384BP	Chemical and Biological Defense Program - EMD	05	319,976				319,976	U
127	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	05	54,985				54,985	U
128	0605000BR	Counter Weapons of Mass Destruction Systems Development	05	15,650				15,650	U
129	0605013BL	Information Technology Development	05	1,441				1,441	U
130	0605021SE	Homeland Personnel Security Initiative	05	7,287				7,287	U
131	0605022D8Z	Defense Exportability Program	05	12,928				12,928	U
132	0605027D8Z	OUSD(C) IT Development Initiatives	05	10,259				10,259	U
133	0605070S	DOD Enterprise Systems Development and Demonstration	05	1,377				1,377	U
134	0605075D8Z	CMO Policy and Integration	05	1,648				1,648	U
135	0605080S	Defense Agency Initiatives (DAI) - Financial System	05	20,537				20,537	U

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136	0605090S	Defense Retired and Annuitant Pay System (DRAS)	05	17,233	6,368			6,368 U
137	0605141BR	Mission Assurance Risk Management System (MARMS)	05					U
138	0605210D8Z	Defense-Wide Electronic Procurement Capabilities	05	6,126	9,619			9,619 U
139	0605294D8Z	Trusted & Assured Microelectronics	05	94,617	175,032			175,032 U
140	0605772D8Z	Nuclear Command, Control, & Communications	05					U
141	0303140BL	Information Systems Security Program	05		425			425 U
142	0303141K	Global Combat Support System	05	1,936	1,578			1,578 U
143	0305304D8Z	DoD Enterprise Energy Information Management (EEIM)	05	2,391	4,373			4,373 U
144	0305310D8Z	CWMD Systems: System Development and Demonstration	05	16,385	12,854			12,854 U
		System Development & Demonstration		1,109,307	883,867			883,867
145	0603829J	Joint Capability Experimentation	06		13,000			13,000 U
146	0604774D8Z	Defense Readiness Reporting System (DRRS)	06	6,606	9,724			9,724 U
147	0604875D8Z	Joint Systems Architecture Development	06	3,929	9,593			9,593 U
148	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	06	295,067	390,692			390,692 U
149	0604942D8Z	Assessments and Evaluations	06	30,138	30,834			30,834 U

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136	0605090S	Defense Retired and Annuitant Pay System (DRAS)	05	1,638				1,638	U
137	0605141BR	Mission Assurance Risk Management System (MARMS)	05	5,500				5,500	U
138	0605210D8Z	Defense-Wide Electronic Procurement Capabilities	05	8,279				8,279	U
139	0605294D8Z	Trusted & Assured Microelectronics	05	107,585				107,585	U
140	0605772D8Z	Nuclear Command, Control, & Communications	05	3,685				3,685	U
141	0303140BL	Information Systems Security Program	05						U
142	0303141K	Global Combat Support System	05						U
143	0305304D8Z	DoD Enterprise Energy Information Management (EEIM)	05	3,275				3,275	U
144	0305310D8Z	CWMD Systems: System Development and Demonstration	05	20,585				20,585	U
		System Development & Demonstration		603,808				603,808	
145	0603829J	Joint Capability Experimentation	06	11,239				11,239	U
146	0604774D8Z	Defense Readiness Reporting System (DRRS)	06	9,793				9,793	U
147	0604875D8Z	Joint Systems Architecture Development	06	8,497				8,497	U
148	0604940D8Z	Central Test and Evaluation Investment Development (CTEIP)	06	422,451				422,451	U
149	0604942D8Z	Assessments and Evaluations	06	18,379				18,379	U

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150	0605001E	Mission Support	06	67,850	68,498			68,498 U
151	0605100D8Z	Joint Mission Environment Test Capability (JMETC)	06	88,004	89,091			89,091 U
152	0605104D8Z	Technical Studies, Support and Analysis	06	21,281	18,079			18,079 U
153	0605126J	Joint Integrated Air and Missile Defense Organization (JIAMDO)	06	48,097	62,805			62,805 U
154	0605128D8Z	Classified Program USD(P)	06	127,000	104,000			104,000 U
155	0605142D8Z	Systems Engineering	06	37,446	37,140			37,140 U
156	0605151D8Z	Studies and Analysis Support - OSD	06	3,423	4,759			4,759 U
157	0605161D8Z	Nuclear Matters-Physical Security	06	4,854	8,307			8,307 U
158	0605170D8Z	Support to Networks and Information Integration	06	11,042	9,441			9,441 U
159	0605200D8Z	General Support to USD (Intelligence)	06	8,139	20,200			20,200 U
160	0605384BP	Chemical and Biological Defense Program	06	104,187	110,363			110,363 U
161	0605502BP	Small Business Innovative Research - Chemical Biological Def	06	21,269				U
162	0605502BR	Small Business Innovation Research	06	11,315				U
163	0605502C	Small Business Innovation Research - MDA	06	91,161				U
164	0605502D8Z	Small Business Innovative Research	06	147,668				U
165	0605502E	Small Business Innovative Research	06	112,579				U

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150	0605001E	Mission Support	06	74,334				74,334	U
151	0605100D8Z	Joint Mission Environment Test Capability (JMETC)	06	79,046				79,046	U
152	0605104D8Z	Technical Studies, Support and Analysis	06						U
153	0605126J	Joint Integrated Air and Missile Defense Organization (JIAMDO)	06	50,255				50,255	U
154	0605128D8Z	Classified Program USD(P)	06						U
155	0605142D8Z	Systems Engineering	06	49,376				49,376	U
156	0605151D8Z	Studies and Analysis Support - OSD	06	5,777				5,777	U
157	0605161D8Z	Nuclear Matters-Physical Security	06	16,552				16,552	U
158	0605170D8Z	Support to Networks and Information Integration	06	9,582				9,582	U
159	0605200D8Z	General Support to USD (Intelligence)	06	1,940				1,940	U
160	0605384BP	Chemical and Biological Defense Program	06	122,951				122,951	U
161	0605502BP	Small Business Innovative Research - Chemical Biological Def	06						U
162	0605502BR	Small Business Innovation Research	06						U
163	0605502C	Small Business Innovation Research - MDA	06						U
164	0605502D8Z	Small Business Innovative Research	06						U
165	0605502E	Small Business Innovative Research	06						U

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Line No	Program Element Number	Item	Act	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted S (Base+Emerg+ e OCO) c
166	0605502S	Small Business Innovative Research	06	10,715	10,027			10,027 U
167	0605790D8Z	Small Business Innovation Research (SBIR)/ Small Business Technology Transfer	06	2,539	3,568			3,568 U
168	0605797D8Z	Maintaining Technology Advantage	06		20,936			20,936 U
169	0605798D8Z	Defense Technology Analysis	06	27,231	15,875			15,875 U
170	0605801KA	Defense Technical Information Center (DTIC)	06	56,853	57,716			57,716 U
171	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	06	24,005	29,448			29,448 U
172	0605804D8Z	Development Test and Evaluation	06	19,417	22,203			22,203 U
173	0605898E	Management HQ - R&D	06	13,663	13,208			13,208 U
174	0605998KA	Management HQ - Defense Technical Information Center (DTIC)	06	4,124	3,027			3,027 U
175	0606100D8Z	Budget and Program Assessments	06	5,544	8,017			8,017 U
176	0606225D8Z	ODNA Technology and Resource Analysis	06	1,028	3,194			3,194 U
177	0606589D8W	Defense Digital Service (DDS) Development Support	06	1,000	1,000			1,000 U
178	0606942C	Assessments and Evaluations Cyber Vulnerabilities	06	3,400				U
179	0606942S	Assessments and Evaluations Cyber Vulnerabilities	06	3,854				U
180	0203345D8Z	Defense Operations Security Initiative (DOSI)	06	9,892	8,037			8,037 U

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166	0605502S	Small Business Innovative Research	06						U
167	0605790D8Z	Small Business Innovation Research (SBIR)/ Small Business Technology Transfer	06	3,582				3,582	U
168	0605797D8Z	Maintaining Technology Advantage	06	29,566				29,566	U
169	0605798D8Z	Defense Technology Analysis	06	29,059				29,059	U
170	0605801KA	Defense Technical Information Center (DTIC)	06	59,369				59,369	U
171	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	06	29,420				29,420	U
172	0605804D8Z	Development Test and Evaluation	06	27,198				27,198	U
173	0605898E	Management HQ - R&D	06	13,434				13,434	U
174	0605998KA	Management HQ - Defense Technical Information Center (DTIC)	06	2,837				2,837	U
175	0606100D8Z	Budget and Program Assessments	06	13,173				13,173	U
176	0606225D8Z	ODNA Technology and Resource Analysis	06	3,200				3,200	U
177	0606589D8W	Defense Digital Service (DDS) Development Support	06	999				999	U
178	0606942C	Assessments and Evaluations Cyber Vulnerabilities	06						U
179	0606942S	Assessments and Evaluations Cyber Vulnerabilities	06						U
180	0203345D8Z	Defense Operations Security Initiative (DOSI)	06	3,099				3,099	U

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181	0204571J	Joint Staff Analytical Support	06	16,768	9,216			9,216 U
182	0208045K	C4I Interoperability	06					U
185	0303140SE	Information Systems Security Program	06					U
186	0303166J	Support to Information Operations (IO) Capabilities	06	859	553			553 U
187	0303260D8Z	Defense Military Deception Program Office (DMDPO)	06	966	1,014			1,014 U
188	0305172K	Combined Advanced Applications	06	21,363	58,667			58,667 U
190	0305208K	Distributed Common Ground/Surface Systems	06					U
191	0305245D8Z	Intelligence Capabilities and Innovation Investments	06	188,876	15,871			15,871 U
192	0306310D8Z	CWMD Systems: RDT&E Management Support	06	1,195				U
193	0307588D8Z	Algorithmic Warfare Cross Functional Teams	06		221,235			221,235 U
194	0804768J	COCOM Exercise Engagement and Training Transformation (CE2T2) - non-MHA	06	43,600	40,073			40,073 U
195	0808709SE	Defense Equal Opportunity Management Institute (DEOMI)	06		100			100 U
196	0901598C	Management HQ - MDA	06	28,626	27,065			27,065 U
197	0903235K	Joint Service Provider (JSP)	06	4,884	3,090			3,090 U

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181	0204571J	Joint Staff Analytical Support	06	3,058			3,058		U
182	0208045K	C4I Interoperability	06	59,813			59,813		U
185	0303140SE	Information Systems Security Program	06	1,112			1,112		U
186	0303166J	Support to Information Operations (IO) Capabilities	06	545			545		U
187	0303260D8Z	Defense Military Deception Program Office (DMDPO)	06	1,036			1,036		U
188	0305172K	Combined Advanced Applications	06	30,824			30,824		U
190	0305208K	Distributed Common Ground/Surface Systems	06	3,048			3,048		U
191	0305245D8Z	Intelligence Capabilities and Innovation Investments	06						U
192	0306310D8Z	CWMD Systems: RDT&E Management Support	06						U
193	0307588D8Z	Algorithmic Warfare Cross Functional Teams	06						U
194	0804768J	COCOM Exercise Engagement and Training Transformation (CE2T2) - non-MHA	06	31,125			31,125		U
195	0808709SE	Defense Equal Opportunity Management Institute (DEOMI)	06	100			100		U
196	0901598C	Management HQ - MDA	06	26,902			26,902		U
197	0903235K	Joint Service Provider (JSP)	06	3,138			3,138		U

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198	0909999D8Z	Financing for Cancelled Account Adjustments	06	969				U
9999	9999999999	Classified Programs		47,104	51,471			51,471 U
		Management Support		1,779,530	1,611,137			1,611,137
199	0604130V	Enterprise Security System (ESS)	07	9,395	7,945			7,945 U
200	0604532K	Joint Artificial Intelligence	07		183,834			183,834 U
201	0605127T	Regional International Outreach (RIO) and Partnership for Peace Information Mana	07	2,745	1,947			1,947 U
202	0605147T	Overseas Humanitarian Assistance Shared Information System (OHAISIS)	07	304	310			310 U
203	0607210D8Z	Industrial Base Analysis and Sustainment Support	07		104,051			104,051 U
204	0607310D8Z	CWMD Systems: Operational Systems Development	07		12,734			12,734 U
205	0607327T	Global Theater Security Cooperation Management Information Systems (G-TSCMIS)	07	4,685	12,000			12,000 U
206	0607384BP	Chemical and Biological Defense (Operational Systems Development)	07	41,813	51,834			51,834 U
207	0208043J	Planning and Decision Aid System (PDAS)	07	3,037	4,537			4,537 U
208	0208045K	C4I Interoperability	07	61,208	64,122			64,122 U
212	0302019K	Defense Info Infrastructure Engineering and Integration	07	13,540	10,798			10,798 U
213	0303126K	Long-Haul Communications - DCS	07	12,572	11,166			11,166 U

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198	0909999D8Z	Financing for Cancelled Account Adjustments	06						U
9999	99999999999	Classified Programs		41,583				41,583	U
		Management Support		1,297,392				1,297,392	
199	0604130V	Enterprise Security System (ESS)	07	14,378				14,378	U
200	0604532K	Joint Artificial Intelligence	07	132,058				132,058	U
201	0605127T	Regional International Outreach (RIO) and Partnership for Peace Information Mana	07	1,986				1,986	U
202	0605147T	Overseas Humanitarian Assistance Shared Information System (OHAISIS)	07	316				316	U
203	0607210D8Z	Industrial Base Analysis and Sustainment Support	07	9,151				9,151	U
204	0607310D8Z	CWMD Systems: Operational Systems Development	07	19,082				19,082	U
205	0607327T	Global Theater Security Cooperation Management Information Systems (G-TSCMIS)	07	3,992				3,992	U
206	0607384BP	Chemical and Biological Defense (Operational Systems Development)	07	39,530				39,530	U
207	0208043J	Planning and Decision Aid System (PDAS)	07	3,039				3,039	U
208	0208045K	C4I Interoperability	07						U
212	0302019K	Defense Info Infrastructure Engineering and Integration	07	16,324				16,324	U
213	0303126K	Long-Haul Communications - DCS	07	11,884				11,884	U

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214	0303131K	Minimum Essential Emergency Communications Network (MEECN)	07	17,579	17,383			17,383 U
215	0303136G	Key Management Infrastructure (KMI)	07	31,737	54,516			54,516 U
216	0303140D8Z	Information Systems Security Program	07	17,899	67,631			67,631 U
217	0303140G	Information Systems Security Program	07	235,082	327,198			327,198 U
218	0303140K	Information Systems Security Program	07	42,262	40,398			40,398 U
219	0303150K	Global Command and Control System	07	44,974	17,218			17,218 U
220	0303153K	Defense Spectrum Organization	07	5,748	19,528			19,528 U
221	0303167K	Pre-Auction Spectrum Relocation Fund	07	1,258				U
222	0303170K	Net-Centric Enterprise Services (NCES)	07	1,750				U
223	0303228K	Joint Regional Security Stacks (JRSS)	07	7,657	16,269			16,269 U
224	0303267K	Auctioned Spectrum Relocation Fund	07	24,600				U
225	0303430K	Federal Investigative Services Information Technology	07	59,870	44,001			44,001 U
226	0303467K	SENSR Spectrum Pipeline SRF	07	230				U
231	0305128V	Security and Investigative Activities	07		2,400			2,400 U
235	0305186D8Z	Policy R&D Programs	07		6,301			6,301 U

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214	0303131K	Minimum Essential Emergency Communications Network (MEECN)	07	5,560				5,560	U
215	0303136G	Key Management Infrastructure (KMI)	07	73,356				73,356	U
216	0303140D8Z	Information Systems Security Program	07	46,577				46,577	U
217	0303140G	Information Systems Security Program	07	356,713				356,713	U
218	0303140K	Information Systems Security Program	07	8,922				8,922	U
219	0303150K	Global Command and Control System	07	3,695				3,695	U
220	0303153K	Defense Spectrum Organization	07	20,113				20,113	U
221	0303167K	Pre-Auction Spectrum Relocation Fund	07						U
222	0303170K	Net-Centric Enterprise Services (NCES)	07						U
223	0303228K	Joint Regional Security Stacks (JRSS)	07	9,728				9,728	U
224	0303267K	Auctioned Spectrum Relocation Fund	07						U
225	0303430K	Federal Investigative Services Information Technology	07						U
226	0303467K	SENSR Spectrum Pipeline SRF	07						U
231	0305128V	Security and Investigative Activities	07	5,700				5,700	U
235	0305186D8Z	Policy R&D Programs	07	7,144				7,144	U

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236	0305199D8Z	Net Centricity	07	4,071	21,384			21,384 U
238	0305208BB	Distributed Common Ground/Surface Systems	07	6,286	6,359			6,359 U
241	0305208K	Distributed Common Ground/Surface Systems	07	2,848	2,981			2,981 U
244	0305327V	Insider Threat	07	19,754	1,964			1,964 U
245	0305387D8Z	Homeland Defense Technology Transfer Program	07		2,221			2,221 U
252	0708012K	Logistics Support Activities	07	1,317	1,361			1,361 U
253	0708012S	Pacific Disaster Centers	07	1,705	1,705			1,705 U
254	0708047S	Defense Property Accountability System	07	1,739	3,545			3,545 U
255	0904903D	Defense-Wide Resources	07		3,000			3,000 U
256	1105219BB	MQ-9 UAV	07	17,745	20,697			20,697 U
257	1160279BB	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	07	18,445				U
258	1160403BB	Aviation Systems	07	168,026	267,695			267,695 U
259	1160405BB	Intelligence Systems Development	07	10,625	15,484			15,484 U
260	1160408BB	Operational Enhancements	07	98,395	159,922		726	160,648 U
261	1160431BB	Warrior Systems	07	74,250	75,514		6,000	81,514 U
262	1160432BB	Special Programs	07	2,885	21,005			21,005 U
263	1160434BB	Unmanned ISR	07	44,970	37,377		5,000	42,377 U

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236	0305199D8Z	Net Centricity	07	21,793				21,793	U
238	0305208BB	Distributed Common Ground/Surface Systems	07	6,066				6,066	U
241	0305208K	Distributed Common Ground/Surface Systems	07						U
244	0305327V	Insider Threat	07						U
245	0305387D8Z	Homeland Defense Technology Transfer Program	07	2,190				2,190	U
252	0708012K	Logistics Support Activities	07	1,654				1,654	U
253	0708012S	Pacific Disaster Centers	07	1,785				1,785	U
254	0708047S	Defense Property Accountability System	07	7,301				7,301	U
255	0904903D	Defense-Wide Resources	07						U
256	1105219BB	MQ-9 UAV	07	21,265				21,265	U
257	1160279BB	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	07						U
258	1160403BB	Aviation Systems	07	230,812				230,812	U
259	1160405BB	Intelligence Systems Development	07	19,558				19,558	U
260	1160408BB	Operational Enhancements	07	136,041		1,186	1,186	137,227	U
261	1160431BB	Warrior Systems	07	59,511		5,796	5,796	65,307	U
262	1160432BB	Special Programs	07	10,500				10,500	U
263	1160434BB	Unmanned ISR	07	19,154		5,000	5,000	24,154	U

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

Line	Program Element No Number	Item	Act	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted S (Base+Emerg+ e OCO) c
264	1160480BB	SOF Tactical Vehicles	07	1,806	11,150			11,150 U
265	1160483BB	Maritime Systems	07	40,600	72,626			72,626 U
266	1160489BB	Global Video Surveillance Activities	07	4,780	5,363			5,363 U
267	1160490BB	Operational Enhancements Intelligence	07	12,176	9,962			9,962 U
268	1203610K	Teleport Program	07	706	5,542			5,542 U
9999	99999999999	Classified Programs		4,106,487	4,440,074		192,509	4,632,583 U
		Operational Systems Development		5,279,561	6,265,052		204,235	6,469,287
269	0608197V	National Background Investigation Services - Software Pilot Program	08					U
270	0608648D8Z	Acquisition Visibility - Software Pilot Program	08					U
271	0303150K	Global Command and Control System	08					U
272	0308588D8Z	Algorithmic Warfare Cross Functional Teams - Software Pilot Program	08					U
		Software And Digital Technology Pilot Progr						
Total	Research, Development, Test & Eval, DW			24,300,844	25,938,027		394,260	26,332,287

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

Line No	Program Element Number	Item	Act	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)	Se
264	1160480BB	SOF Tactical Vehicles	07	9,263				9,263	U
265	1160483BB	Maritime Systems	07	59,882				59,882	U
266	1160489BB	Global Video Surveillance Activities	07	4,606				4,606	U
267	1160490BB	Operational Enhancements Intelligence	07	11,612				11,612	U
268	1203610K	Teleport Program	07	3,239				3,239	U
9999	9999999999	Classified Programs		4,746,466		24,057	24,057	4,770,523	U
		Operational Systems Development		6,161,946		36,039	36,039	6,197,985	
269	0608197V	National Background Investigation Services - Software Pilot Program	08	121,676				121,676	U
270	0608648D8Z	Acquisition Visibility - Software Pilot Program	08	16,848				16,848	U
271	0303150K	Global Command and Control System	08	86,750				86,750	U
272	0308588D8Z	Algorithmic Warfare Cross Functional Teams - Software Pilot Program	08	250,107				250,107	U
		Software And Digital Technology Pilot Progr		475,381				475,381	
Total Research, Development, Test & Eval, DW				24,280,891		82,818	82,818	24,363,709	

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	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted (Base+Emerg+ OCO)
Summary Recap of Budget Activities					

Management Support	377,001	227,700			227,700
Total Research, Development, Test & Evaluation	377,001	227,700			227,700
Summary Recap of FYDP Programs					

Research and Development	377,001	227,700			227,700
Total Research, Development, Test & Evaluation	377,001	227,700			227,700

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	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)
Summary Recap of Budget Activities					

Management Support	210,090				210,090
Total Research, Development, Test & Evaluation	210,090				210,090
Summary Recap of FYDP Programs					

Research and Development	210,090				210,090
Total Research, Development, Test & Evaluation	210,090				210,090

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

Line No	Program Element Number	Item	Act	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted S (Base+Emerg+ e OCO) c
1	0605118	OTE Operational Test and Evaluation	06	85,685	93,291			93,291 U
2	0605131	OTE Live Fire Test and Evaluation	06	64,332	69,172			69,172 U
3	0605814	OTE Operational Test Activities and Analyses	06	226,984	65,237			65,237 U
		Management Support		377,001	227,700			227,700
Total Operational Test & Eval, Defense				377,001	227,700			227,700

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Appropriation: 0460D Operational Test & Eval, Defense

Line No	Program Element Number	Item	Act	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)	Se
1	0605118	OTE Operational Test and Evaluation	06	100,021				100,021	U
2	0605131	OTE Live Fire Test and Evaluation	06	70,933				70,933	U
3	0605814	OTE Operational Test Activities and Analyses	06	39,136				39,136	U
		Management Support		210,090				210,090	
Total Operational Test & Eval, Defense				210,090				210,090	

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	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted (Base+Emerg+ OCO)
<u>Summary Recap of Budget Activities</u>					
RDT&E	3,977	2,965			2,965
Total Research, Development, Test & Evaluation	3,977	2,965			2,965
<u>Summary Recap of Non-RDT&E Title FYDP Programs</u>					
Administration and Associated Activities	3,977	2,965			2,965
Total Research, Development, Test & Evaluation	3,977	2,965			2,965

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Inspector General
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	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)
Summary Recap of Budget Activities					

RDT&E	1,098				1,098
Total Research, Development, Test & Evaluation	1,098				1,098
Summary Recap of Non-RDT&E Title FYDP Programs					

Administration and Associated Activities	1,098				1,098
Total Research, Development, Test & Evaluation	1,098				1,098

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Inspector General
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Appropriation: 0107D Office of the Inspector General

Line No	Program Element Number	Item	Act	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted S (Base+Emerg+ e OCO) c
1	0901517X	Inspector General, DoD, Audit, Intelligence and Non-Criminal Investigative Activ	02	3,766	2,965			2,965 U
2	0902498X	Office of the DoD Inspector General - MHA	02	211				U
		RDT&E		3,977	2,965			2,965
		Total Office of the Inspector General		3,977	2,965			2,965

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Appropriation: 0107D Office of the Inspector General

Line No	Program Element Number	Item	Act	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)	Se e c
1	0901517X	Inspector General, DoD, Audit, Intelligence and Non-Criminal Investigative Activ	02	966				966	U
2	0902498X	Office of the DoD Inspector General - MHA	02	132				132	U
		RDT&E		1,098				1,098	
		Total Office of the Inspector General		1,098				1,098	

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	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted (Base+Emerg+ OCO)
<u>Summary Recap of Budget Activities</u>					
RDT&E	2,179,621	2,306,095			2,306,095
Total Research, Development, Test & Evaluation	2,179,621	2,306,095			2,306,095
<u>Summary Recap of Non-RDT&E Title FYDP Programs</u>					
Research and Development	2,179,621	2,306,095			2,306,095
Total Research, Development, Test & Evaluation	2,179,621	2,306,095			2,306,095

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Defense Health Agency
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	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)
Summary Recap of Budget Activities					
RDT&E	562,465				562,465
Total Research, Development, Test & Evaluation	562,465				562,465
Summary Recap of Non-RDT&E Title FYDP Programs					
Research and Development	562,465				562,465
Total Research, Development, Test & Evaluation	562,465				562,465

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Defense Health Agency
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Appropriation: 0130D Defense Health Program

Line No	Program Element Number	Item	Act	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted S (Base+Emerg+ e OCO) c
1	0601101DHA	In-House Laboratory Independent Research	02	3,552	4,013			4,013 U
2	0601117DHA	Basic Operational Medical Research Science	02	8,400	17,408			17,408 U
3	0602115DHA	Applied Biomedical Technology	02	107,837	175,032			175,032 U
4	0602787DHA	Medical Technology	02	1,307	1,383			1,383 U
5	0603002DHA	Medical Advanced Technology	02	325	345			345 U
6	0603115DHA	Medical Development	02	1,594,929	1,782,072			1,782,072 U
7	0604110DHA	Medical Products Support and Advanced Concept Development	02	158,933	138,055			138,055 U
8	0605013DHA	Information Technology Development	02	24,306	23,780			23,780 U
9	0605026DHA	Information Technology Development- DoD Healthcare Management System Modernizati	02	27,293	14,478			14,478 U
10	0605045DHA	Joint Operational Medicine Information System	02	75,284	41,902			41,902 U
11	0605145DHA	Medical Products and Support Systems Development	02	24,921	21,589			21,589 U
12	0605502DHA	Small Business Innovative Research	02	66,784				U
13	0606105DHA	Medical Program-Wide Activities	02	70,610	69,219			69,219 U
14	0607100DHA	Medical Products and Capabilities Enhancement Activities	02	15,140	16,819			16,819 U
		RDT&E		2,179,621	2,306,095			2,306,095
		Total Defense Health Program		2,179,621	2,306,095			2,306,095

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Appropriation: 0130D Defense Health Program

Line No	Program Element Number	Item	Act	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)	Se
1	0601101DHA	In-House Laboratory Independent Research	02						U
2	0601117DHA	Basic Operational Medical Research Science	02	8,913				8,913	U
3	0602115DHA	Applied Biomedical Technology	02	72,573				72,573	U
4	0602787DHA	Medical Technology	02	1,411				1,411	U
5	0603002DHA	Medical Advanced Technology	02	352				352	U
6	0603115DHA	Medical Development	02	225,250				225,250	U
7	0604110DHA	Medical Products Support and Advanced Concept Development	02	132,331				132,331	U
8	0605013DHA	Information Technology Development	02	16,344				16,344	U
9	0605026DHA	Information Technology Development- DoD Healthcare Management System Modernizati	02	18,336				18,336	U
10	0605045DHA	Joint Operational Medicine Information System	02						U
11	0605145DHA	Medical Products and Support Systems Development	02	21,068				21,068	U
12	0605502DHA	Small Business Innovative Research	02						U
13	0606105DHA	Medical Program-Wide Activities	02	48,672				48,672	U
14	0607100DHA	Medical Products and Capabilities Enhancement Activities	02	17,215				17,215	U
		RDT&E		562,465				562,465	
		Total Defense Health Program		562,465				562,465	

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	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted (Base+Emerg+ OCO)
Summary Recap of Budget Activities					

Research, Development, Test, And Evaluation	666,863	875,930			875,930
Total Research, Development, Test & Evaluation	666,863	875,930			875,930
Summary Recap of Non-RDT&E Title FYDP Programs					

Central Supply and Maintenance	666,863	875,930			875,930
Total Research, Development, Test & Evaluation	666,863	875,930			875,930

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	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)
Summary Recap of Budget Activities					

Research, Development, Test, And Evaluation	782,193				782,193
Total Research, Development, Test & Evaluation	782,193				782,193
Summary Recap of Non-RDT&E Title FYDP Programs					

Central Supply and Maintenance	782,193				782,193
Total Research, Development, Test & Evaluation	782,193				782,193

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Appropriation: 0390D Chem Agents & Munitions Destruction

Line No	Program Element Number	Item	Act	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted S (Base+Emerg+ e OCO) c
1	0708081D	Chemical Materials Agency	02	6,500	6,500			6,500 U
2	0708083D	Assembled Chemical Weapons Alternatives	02	660,363	869,430			869,430 U
		Research, Development, Test, And Evaluation		666,863	875,930			875,930
		Total Chem Agents & Munitions Destruction		666,863	875,930			875,930

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Appropriation: 0390D Chem Agents & Munitions Destruction

Line No	Program Element Number	Item	Act	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)	Se
1	0708081D	Chemical Materials Agency	02	6,494				6,494	U
2	0708083D	Assembled Chemical Weapons Alternatives	02	775,699				775,699	U
		Research, Development, Test, And Evaluation		782,193				782,193	
		Total Chem Agents & Munitions Destruction		782,193				782,193	