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

16 Jan 2020

FY 2020

Appropriation	FY 2019 (Base + OCO)	Emergency FY 2020 (Included in Base Enacted Base Enacted)	 FY 2020 Total Enacted (Base + OCO)
Research, Development, Test & Eval, DW	3,425,549	3,458,321	3,458,321
Total Research, Development, Test & Evaluation	3,425,549	3,458,321	3,458,321

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

16 Jan 2020

FY 2021 OCO for

Appropriation	FY 2021 Base	FY 2021 OCO for Base Requirements	Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)
Research, Development, Test & Eval, DW	3,566,348				3,566,348
Total Research, Development, Test & Evaluation	3,566,348				3,566,348

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

16 Jan 2020

Summary Recap of Budget Activities	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency (Included in Base Enacted)	FY 2020 Total Enacted (Base + OCO)
Basic Research	473,587	486,406		486,406
Applied Research	1,347,624	1,401,085		1,401,085
Advanced Technology Development	1,410,246	1,489,124		1,489,124
Management Support	194,092	81,706		81,706
Total Research, Development, Test & Evaluation	3,425,549	3,458,321		3,458,321
Summary Recap of FYDP Programs				
Research and Development	3,425,549	3,458,321		3,458,321
Total Research, Development, Test & Evaluation	3,425,549	3,458,321		3,458,321

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

16 Jan 2020

FY 2021 OCO for

Summary Recap of Budget Activities	FY 2021 Base	FY 2021 OCO for Base Requirements	Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)
Basic Research	533,688				533,688
Applied Research	1,376,509				1,376,509
Advanced Technology Development	1,568,383				1,568,383
Management Support	87,768				87,768
Total Research, Development, Test & Evaluation	3,566,348				3,566,348
Summary Recap of FYDP Programs					
Research and Development	3,566,348				3,566,348
Total Research, Development, Test & Evaluation	3,566,348				3,566,348

Defense-Wide FY 2021President's Budget

Exhibit R-1 FY 2021 President's Budget

Total Obligational Authority (Dollars in Thousands)

16 Jan 2020

			FY 2020		
			Emergency		FY 2020
	FY 2019	FY 2020	(Included in	FY 2020	Total Enacted
Summary Recap of Budget Activities	(Base + OCO)	Base Enacted	Base Enacted)	OCO Enacted	(Base + OCO)
Basic Research	473,587	486,406			486,406
Applied Research	1,347,624	1,401,085			1,401,085
Advanced Technology Development	1,410,246	1,489,124	4		1,489,124
					,,
Management Support	194,092	81,706			81,706
Total Research, Development, Test & Evaluation	3,425,549	3,458,321			3,458,321
• • • • • • • • • • • • • • • • • • • •	-,,	0,100,022			3,130,321
Summary Recap of FYDP Programs					
Research and Development	3,425,549	3,458,321			3,458,321
Total Research, Development, Test & Evaluation	3,425,549	3,458,321			3,458,321
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Defense-Wide

FY 2021President's Budget Exhibit R-1 FY 2021 President's Budget Total Obligational Authority

(Dollars in Thousands)

16 Jan 2020

FY	2021	
OCC) for	

Summary Recap of Budget Activities	FY 2021 Base	FY 2021 OCO for Base Requirements	Direct War and Enduring Costs	FY 2021 Total OCO	FY 2021 Total (Base + OCO)
Basic Research	533,688				533,688
Applied Research	1,376,509				1,376,509
Advanced Technology Development	1,568,383				1,568,383
Management Support	87,768				87,768
Total Research, Development, Test & Evaluation	3,566,348				3,566,348
Summary Recap of FYDP Programs					
Research and Development	3,566,348				3,566,348
Total Research, Development, Test & Evaluation	3,566,348				3,566,348

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

16 Jan 2020

FY 2020

Appropriation	FY 2019 (Base + OCO)		ergency cluded in Enacted)	FY 2020 OCO Enacted	FY 2020 Total Enacted (Base + OCO)
Defense Advanced Research Projects Agency	3,425,549	3,458,321			3,458,321
Total Research, Development, Test & Evaluation	3,425,549	3,458,321			3,458,321

Defense-Wide

FY 2021President's Budget Exhibit R-1 FY 2021 President's Budget

Total Obligational Authority (Dollars in Thousands)

16 Jan 2020

FΥ	2021
OCC) for

	000 101					
		FY 2021	Direct War	FY 2021	FY 2021	
	FY 2021	OCO for Base	and Enduring	Total	Total	
Appropriation	Base	Requirements	Costs	OCO	(Base + OCO)	
Defense Advanced Research Projects Agency	3,566,348				3,566,348	
Total Research, Development, Test & Evaluation	3,566,348				3,566,348	

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

16 Jan 2020

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

	Drogram					FY 2020			
Line	Program Element			FY 2019	FY 2020	Emergency (Included in	FY 2020	FY 2020 Total Enacted	S
	Number	Item	Act	(Base + OCO)		Base Enacted)	OCO Enacted	(Base + OCO)	
									_
, 2	0601101E	Defense Research Sciences	01	423,895	432,284			432,284	υ
4	0601117E	Basic Operational Medical Research Science	01	49,692	54,122			54,122	U
	Basic	Research		473,587	486,406			486,406	
9	0602115E	Biomedical Technology	02	94,423	92,771			92,771	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	υ
18	0602702E	Tactical Technology	02	295,118	313,002			313,002	υ
19	0602715E	Materials and Biological Technology	02	192,774	214,976			214,976	υ
20	0602716E	Electronics Technology	02	331,905	317,192			317,192	υ
	Appli	ed Research		1,347,624	1,401,085			1,401,085	
34	0603286E	Advanced Aerospace Systems	03	287,907	279,741			279,741	υ
35	0603287E	Space Programs and Technology	03	256,181	190,306			190,306	υ
56	0603739E	Advanced Electronics Technologies	03	100,042	123,616			123,616	υ
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	υ
59	0603767E	Sensor Technology	03	174,094	158,903			158,903	σ
	Advar	nced Technology Development		1,410,246	1,489,124			1,489,124	
150	0605001E	Mission Support	06	67,850	68,498			68,498	υ
165	0605502E	Small Business Innovative Research	06	112,579					υ

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

16 Jan 2020

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)	s e c
									-
2	0601101E	Defense Research Sciences	01	479,958				479,958	U
4	0601117E	Basic Operational Medical Research Science	01	53,730				53,730	U
	Basic	Research		533,688				533,688	
9	0602115E	Biomedical Technology	02	107,568				107,568	U
14	0602303E	Information & Communications Technology	02	435,920				435,920	υ
15	0602383E	Biological Warfare Defense	02	26,950				26,950	υ
18	0602702E	Tactical Technology	02	233,271				233,271	υ
19	0602715E	Materials and Biological Technology	02	250,107				250,107	υ
20	0602716E	Electronics Technology	02	322,693				322,693	υ
	Appli	ed Research		1,376,509				1,376,509	
34	0603286E	Advanced Aerospace Systems	03	230,978				230,978	υ
35	0603287E	Space Programs and Technology	03	158,439				158,439	υ
56	0603739E	Advanced Electronics Technologies	03	95,864				95,864	υ
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	υ
	Advan	ced Technology Development		1,568,383		******		1,568,383	
150	0605001E	Mission Support	06	74,334				74,334	U
165	0605502E	Small Business Innovative Research	06						U

Defense-Wide FY 2021President's Budget

Exhibit R-1 FY 2021 President's Budget

Total Obligational Authority (Dollars in Thousands)

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

						FY 2020			
	Program					Emergency		FY 2020	S
Line	Element			FY 2019	FY 2020	(Included in	FY 2020	Total Enacted	е
No	Number	Item	Act	(Base + OCO)	Base Enacted	Base Enacted)	OCO Enacted	(Base + OCO)	C
									-
173	0605898E	Management HQ - R&D	06	13,663	13,208			13,208	υ
	Manag	gement Support		194,092	81,706			81,706	
Tota:	l Research	, Development, Test & Eval, DW		3,425,549	3,458,321			3,458,321	

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

16 Jan 2020

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

	_					FY 2021 OCO for			
	Program				FY 2021	Direct War	FY 2021	FY 2021	S
Line	Element			FY 2021	OCO for Base	and Enduring	Total	Total	е
No	Number	Item	Act	Base	Requirements	Costs	oco	(Base + OCO)	С
									-
173	0605898E	Management HQ - R&D	06	13,434				13,434	U
	Manag	gement Support		87,768				87,768	
Tota:	l Research,	Development, Test & Eval, DW		3,566,348				3,566,348	

Defense Advanced Research Projects Agency FY 2021President's Budget Exhibit R-1 FY 2021 President's Budget Total Obligational Authority (Dollars in Thousands)

16 Jan 2020

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

	Program Element Number	Item	Act	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency (Included in Base Enacted)	FY 2020 OCO Enacted	FY 2020 Total Enacted (Base + OCO)	
2	0601101E	Defense Research Sciences	01	423,895	432,284			432,284	υ
4	0601117E	Basic Operational Medical Research Science	01	49,692	54,122			54,122	
Ва	asic Resear	ch		473,587	486,406			486,406	
9	0602115E	Biomedical Technology	02	94,423	92,771			92,771	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
18	0602702E	Tactical Technology	02	295,118	313,002			313,002	υ
19	0602715E	Materials and Biological Technology	02	192,774	214,976			214,976	υ
20	0602716E	Electronics Technology	02	331,905	317,192			317,192	U
Aj	oplied Rese	arch		1,347,624	1,401,085			1,401,085	
34	0603286E	Advanced Aerospace Systems	03	287,907	279,741			279,741	υ
35	0603287E	Space Programs and Technology	03	256,181	190,306			190,306	υ
56	0603739E	Advanced Electronics Technologies	03	100,042	123,616			123,616	υ
57	0603760E	Command, Control and Communications Systems	03	178,074	229,134			229,134	υ
58	0603766E	Network-Centric Warfare Technology	03	413,948	507,424			507,424	υ
59	0603767E	Sensor Technology	03	174,094	158,903			158,903	υ
A	dvanced Tec	hnology Development		1,410,246	1,489,124			1,489,124	
150	0605001E	Mission Support	06	67,850	68,498			68,498	U
165	0605502E	Small Business Innovative Research	06	112,579					υ

Defense Advanced Research Projects Agency FY 2021President's Budget Exhibit R-1 FY 2021 President's Budget Total Obligational Authority (Dollars in Thousands)

FY 2021

16 Jan 2020

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)	s e c
2	0601101E	Defense Research Sciences	01	479,958				470.050	
-	00011011	belefibe Research Selences	O1	479,936				479,958	U
4	0601117E	Basic Operational Medical Research Science	01	53,730				53,730	υ
В	asic Resear	ch		533,688				533,688	
9	0602115E	Biomedical Technology	02	107,568				107,568	U
14	0602303E	Information & Communications Technology	02	435,920				435,920	U
15	0602383E	Biological Warfare Defense	02	26,950				26,950	σ
18	0602702E	Tactical Technology	02	233,271				233,271	U
19	0602715E	Materials and Biological Technology	02	250,107				250,107	υ
20	0602716E	Electronics Technology	02	322,693				322,693	U
A	pplied Rese	arch		1,376,509				1,376,509	
34	0603286E	Advanced Aerospace Systems	03	230,978				230,978	υ
35	0603287E	Space Programs and Technology	03	158,439				158,439	υ
56	0603739E	Advanced Electronics Technologies	03	95,864				95,864	U
57	0603760E	Command, Control and Communications Systems	03	221,724				221,724	υ
58	0603766E	Network-Centric Warfare Technology	03	661,158				661,158	υ
59	0603767E	Sensor Technology	03	200,220				200,220	υ
A	dvanced Tec	chnology Development		1,568,383				1,568,383	
150	0605001E	Mission Support	06	74,334				74,334	U
165	0605502E	Small Business Innovative Research	06						U

Defense Advanced Research Projects Agency FY 2021President's Budget Exhibit R-1 FY 2021 President's Budget Total Obligational Authority (Dollars in Thousands)

16 Jan 2020

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

					-	FY 2020			
	Program					Emergency		FY 2020	S
Line	Element			FY 2019	FY 2020	(Included in	FY 2020	Total Enacted	е
No	Number	Item	Act	(Base + OCO)	Base Enacted	Base Enacted)	OCO Enacted	(Base + OCO)	С
									-
173	0605898E	Management HQ - R&D	06	13,663	13,208			13,208	U
M	anagement	support		194,092	81,706			81,706	
Tota	l Defense	Advanced Research Projects Agency		3,425,549	3,458,321			3,458,321	

Defense Advanced Research Projects Agency FY 2021President's Budget Exhibit R-1 FY 2021 President's Budget Total Obligational Authority (Dollars in Thousands)

16 Jan 2020

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

	Program Element			EV 2021	FY 2021	FY 2021 OCO for Direct War	FY 2021	FY 2021	s
				FY 2021	OCO for Base	and Enduring	Total	Total	е
No	Number	Item	Act	Base	Requirements	Costs	oco	(Base + OCO)	С
		~ ~ ~							-
173	0605898E	Management HQ - R&D	06	13,434				13,434	U
Ма	nagement	Support		87,768				87,768	
Total	Defense .	Advanced Research Projects Agency		3,566,348				3,566,348	