

## UNCLASSIFIED

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

16 Jan 2020

Appropriation -----	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)
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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

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16 Jan 2020

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)
Research, Development, Test & Eval, DW	3,566,348				3,566,348
Total Research, Development, Test & Evaluation	3,566,348				3,566,348

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16 Jan 2020

	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)
Summary Recap of Budget Activities					
-----					
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

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 (Dollars in Thousands)

16 Jan 2020

	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	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					
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Research and Development	3,566,348				3,566,348
Total Research, Development, Test & Evaluation	3,566,348				3,566,348

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Summary Recap of FYDP Programs -----					
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Summary Recap of Budget Activities -----					
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Applied Research	1,376,509				1,376,509
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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
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 (Dollars in Thousands)

16 Jan 2020

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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

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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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Defense Advanced Research Projects Agency	3,566,348				3,566,348
Total Research, Development, Test & Evaluation	3,566,348				3,566,348



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Defense-Wide  
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 (Dollars in Thousands)

16 Jan 2020

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

Line	Program Element No 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)	S e c
2	0601101E	Defense Research Sciences	01	423,895	432,284			432,284	U
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	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
		Applied Research		1,347,624	1,401,085			1,401,085	
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
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
		Advanced Technology 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					U

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16 Jan 2020

Appropriation: 0400D Research, Development, Test &amp; 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
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	U
15	0602383E	Biological Warfare Defense	02	26,950				26,950	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
		Applied Research		1,376,509				1,376,509	
34	0603286E	Advanced Aerospace Systems	03	230,978				230,978	U
35	0603287E	Space Programs and Technology	03	158,439				158,439	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
		Advanced 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

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173	0605898E	Management HQ - R&D	06	13,663	13,208			13,208	U
		Management Support		194,092	81,706			81,706	
				-----	-----	-----	-----	-----	
		Total Research, Development, Test & Eval, DW		3,425,549	3,458,321			3,458,321	

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173	0605898E	Management HQ - R&D	06	13,434				13,434	U
		Management Support		87,768				87,768	
Total Research, Development, Test & Eval, DW				3,566,348				3,566,348	

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		Advanced Technology Development		1,410,246	1,489,124			1,489,124	
150	0605001E	Mission Support	06	67,850	68,498			68,498	U
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58	0603766E	Network-Centric Warfare Technology	03	661,158				661,158	U
59	0603767E	Sensor Technology	03	200,220				200,220	U
Advanced 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

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