

RDT&E PROGRAMS (R-1)



*Department of Defense Budget
Direct War and Enduring Costs
Fiscal Year 2022*

*May 2021
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 <https://comptroller.defense.gov/>.

Office of the Under Secretary of Defense (Comptroller)

Preparation of the R-1 cost the Department of Defense a total of approximately \$38,000 in FY 2021.

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Department of Defense
 FY 2022 President's Budget
 Exhibit R-1 FY 2022 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

May 2021

<u>Appropriation</u>	<u>FY 2021 OCO Enacted*</u>	<u>FY 2022 Direct War and Enduring Costs</u>
Research, Development, Test & Eval, Army	175,824	109,256
Research, Development, Test & Eval, Navy	59,562	52,365
Research, Development, Test & Eval, AF	5,304	21,695
Research, Development, Test & Eval, DW	80,818	63,255
Total Research, Development, Test & Evaluation	321,508	246,571

*Includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).

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Department of Defense
 FY 2022 President's Budget
 Exhibit R-1 FY 2022 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

May 2021

	<u>FY 2021 OCO Enacted*</u>	<u>FY 2022 Direct War and Enduring Costs</u>
<u>Summary Recap of Budget Activities</u>		
Applied Research	5,699	991
Advanced Technology Development	23,149	
Advanced Component Development & Prototypes	77,869	53,238
System Development & Demonstration	91,969	66,911
Management Support	5,137	5,776
Operational Systems Development	117,685	119,655
Total Research, Development, Test & Evaluation	321,508	246,571
<u>Summary Recap of FYDP Programs</u>		
General Purpose Forces	10,604	4,800
Intelligence and Communications	76,942	51,600
Research and Development	199,923	126,916
Special Operations Forces	9,982	35,462
Classified Programs	24,057	27,793
Total Research, Development, Test & Evaluation	321,508	246,571

*Includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).

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Department of the Army
 FY 2022 President's Budget
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 (Dollars in Thousands)

May 2021

	<u>FY 2021 OCO Enacted*</u>	<u>FY 2022 Direct War and Enduring Costs</u>
<u>Summary Recap of Budget Activities</u>		
Applied Research	2,000	991
Advanced Component Development & Prototypes	2,520	2,040
System Development & Demonstration	90,825	54,909
Management Support	5,137	5,776
Operational Systems Development	75,342	45,540
Total Research, Development, Test & Evaluation	175,824	109,256
<u>Summary Recap of FYDP Programs</u>		
General Purpose Forces	2,300	1,800
Intelligence and Communications	76,942	43,740
Research and Development	96,582	63,716
Total Research, Development, Test & Evaluation	175,824	109,256

*Includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).

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Department of the Army
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 (Dollars in Thousands)

May 2021

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

Line No	Program Element Number	Item	Act	FY 2021 OCO Enacted*	FY 2022 Direct War and Enduring Costs	S e c
12	0602145A	Next Generation Combat Vehicle Technology	02	2,000	991	U
		Applied Research		2,000	991	
51	0603327A	Air and Missile Defense Systems Engineering	04	500		U
85	0604785A	Integrated Base Defense (Budget Activity 4)	04	2,020	2,040	U
		Advanced Component Development & Prototypes		2,520	2,040	
101	0604741A	Air Defense Command, Control and Intelligence - Eng Dev	05	20,000	35,780	U
128	0605035A	Common Infrared Countermeasures (CIRCM)	05	2,300		U
135	0605051A	Aircraft Survivability Development	05	64,625	19,129	U
161	0304270A	Electronic Warfare Development	05	3,900		U
		System Development & Demonstration		90,825	54,909	
175	0605709A	Exploitation of Foreign Items	06	1,000	2,002	U
186	0606003A	CounterIntel and Human Intel Modernization	06	4,137	3,774	U
		Management Support		5,137	5,776	
213	0203802A	Other Missile Product Improvement Programs	07	2,300	1,800	U
219	0303028A	Security and Intelligence Activities	07	23,367	23,839	U
227	0305204A	Tactical Unmanned Aerial Vehicles	07	34,100	8,410	U
228	0305206A	Airborne Reconnaissance Systems	07	15,575	9,425	U
233	0307665A	Biometrics Enabled Intelligence	07		2,066	U
		Operational Systems Development		75,342	45,540	
Total Research, Development, Test & Eval, Army				175,824	109,256	

*Includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).

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Department of the Navy
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 (Dollars in Thousands)

May 2021

	<u>FY 2021 OCO Enacted*</u>	<u>FY 2022 Direct War and Enduring Costs</u>
<u>Summary Recap of Budget Activities</u>		
Advanced Component Development & Prototypes	55,418	51,198
System Development & Demonstration	1,144	1,167
Operational Systems Development	3,000	
Total Research, Development, Test & Evaluation	59,562	52,365
<u>Summary Recap of FYDP Programs</u>		
General Purpose Forces	3,000	
Research and Development	56,562	52,365
Total Research, Development, Test & Evaluation	59,562	52,365

*Includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).

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Department of the Navy
 FY 2022 President's Budget
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 Total Obligational Authority
 (Dollars in Thousands)

May 2021

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

Line No	Program Element Number	Item	Act	FY 2021 OCO Enacted*	FY 2022	
					Direct War and Enduring Costs	Se
40	0603527N	RETRACT LARCH	04	36,500	36,497	U
59	0603654N	Joint Service Explosive Ordnance Development	04	14,461	10,904	U
64	0603734N	CHALK CORAL	04	3,000	3,750	U
72	0603795N	Land Attack Technology	04	1,457	47	U
Advanced Component Development & Prototypes				55,418	51,198	
146	0604755N	Ship Self Defense (Detect & Control)	05	1,144	1,167	U
System Development & Demonstration				1,144	1,167	
225	0206625M	USMC Intelligence/Electronic Warfare Systems (MIP)	07	3,000		U
Operational Systems Development				3,000		
Total Research, Development, Test & Eval, Navy				59,562	52,365	

*Includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).

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Department of the Air Force
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 (Dollars in Thousands)

May 2021

	<u>FY 2021 OCO Enacted*</u>	<u>FY 2022 Direct War and Enduring Costs</u>
<u>Summary Recap of Budget Activities</u>		
System Development & Demonstration		10,835
Operational Systems Development	5,304	10,860
Total Research, Development, Test & Evaluation	5,304	21,695
<u>Summary Recap of FYDP Programs</u>		
General Purpose Forces	5,304	3,000
Intelligence and Communications		7,860
Research and Development		10,835
Total Research, Development, Test & Evaluation	5,304	21,695

*Includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).

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Department of the Air Force
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Appropriation: 3600F Research, Development, Test & Eval, AF

<u>Line No</u>	<u>Program Element Number</u>	<u>Item</u>	<u>Act</u>	<u>FY 2021 OCO Enacted*</u>	<u>FY 2022 Direct War and Enduring Costs</u>	<u>S e c</u>
82	0604281F	Tactical Data Networks Enterprise	05		10,835	U
		System Development & Demonstration			10,835	
182	0205671F	Joint Counter RCIED Electronic Warfare	07	4,080		U
194	0207247F	AF TENCAP	07		3,000	U
228	0208288F	Intel Data Applications	07	1,224		U
273	0305240F	Support to DCGS Enterprise	07		7,860	U
		Operational Systems Development		5,304	10,860	
Total Research, Development, Test & Eval, AF				5,304	21,695	

*Includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).

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Defense-Wide
FY 2022 President's Budget
Exhibit R-1 FY 2022 President's Budget
Total Obligational Authority
(Dollars in Thousands)

May 2021

<u>Summary Recap of Budget Activities</u>	<u>FY 2021 OCO Enacted*</u>	<u>FY 2022 Direct War and Enduring Costs</u>
Applied Research	3,699	
Advanced Technology Development	23,149	
Advanced Component Development & Prototypes	19,931	
Operational Systems Development	34,039	63,255
Total Research, Development, Test & Evaluation	80,818	63,255
 <u>Summary Recap of FYDP Programs</u>		
Research and Development	46,779	
Special Operations Forces	9,982	35,462
Classified Programs	24,057	27,793
Total Research, Development, Test & Evaluation	80,818	63,255

*Includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).

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Defense-Wide
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<u>Appropriation</u>	<u>FY 2021 OCO Enacted*</u>	<u>FY 2022 Direct War and Enduring Costs</u>
Defense Intelligence Agency		
Defense Threat Reduction Agency	27,491	
National Security Agency		
Office of Secretary of Defense	19,288	
U.S., Special Operations Command	9,982	35,462
Total Research, Development, Test & Evaluation	80,818	63,255

*Includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).

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Defense-Wide
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Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Program Element Number	Item	Act	FY 2021 OCO Enacted*	FY 2022 Direct War and Enduring Costs	Se c
11	0602134BR	Improvised Threat Reduction Applied Research	02	3,699		U
		Applied Research		3,699		
28	0603122D8Z	Combating Terrorism Technology Support	03	19,288		U
30	0603134BR	Counter Improvised-Threat Simulation	03	3,861		U
		Advanced Technology Development		23,149		
102	0604134BR	Counter Improvised-Threat Demonstration, Prototype Development, and Testing	04	19,931		U
		Advanced Component Development & Prototypes		19,931		
263	1160408BB	Operational Enhancements	07	1,186	25,267	U
264	1160431BB	Warrior Systems	07	5,796	5,195	U
266	1160434BB	Unmanned ISR	07	3,000	5,000	U
9999	9999999999	Classified Programs		24,057	27,793	U
		Operational Systems Development		34,039	63,255	
Total Research, Development, Test & Eval, DW				80,818	63,255	

*Includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).

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Defense Threat Reduction Agency
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 (Dollars in Thousands)

May 2021

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

Line No	Program Element Number	Item	Act	FY 2021 OCO Enacted*	FY 2022 Direct War and Enduring Costs	Se
11	0602134BR	Improvised Threat Reduction Applied Research	02	3,699	-----	U
		Applied Research		3,699		
30	0603134BR	Counter Improvised-Threat Simulation	03	3,861	-----	U
		Advanced Technology Development		3,861		
102	0604134BR	Counter Improvised-Threat Demonstration, Prototype Development, and Testing	04	19,931	-----	U
		Advanced Component Development & Prototypes		19,931		
Total Defense Threat Reduction Agency				27,491	-----	

*Includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).

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Office of Secretary of Defense
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May 2021

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

Line No	Program Element Number	Item	Act	FY 2021 OCO Enacted*	FY 2022 Direct War and Enduring Costs	S e c
28	0603122D8Z	Combating Terrorism Technology Support	03	19,288	-----	U
		Advanced Technology Development		19,288		
Total Office of Secretary of Defense				19,288	-----	

*Includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).

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U.S., Special Operations Command
 FY 2022 President's Budget
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 (Dollars in Thousands)

May 2021

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

Line No	Program Element Number	Item	Act	FY 2021 OCO Enacted*	FY 2022	S
					Direct War and Enduring Costs	
263	1160408BB	Operational Enhancements	07	1,186	25,267	U
264	1160431BB	Warrior Systems	07	5,796	5,195	U
266	1160434BB	Unmanned ISR	07	3,000	5,000	U
Operational Systems Development				9,982	35,462	
Total U.S., Special Operations Command				9,982	35,462	

*Includes Division C, Title IX and Division J, Title IV of the Consolidated Appropriations Act, 2021 (P.L. 116-260).