Department of Defense FY 2021President'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	FY 2020 OCO Enacted	FY 2020 Total Enacted (Base+Emerg+ OCO)
Research, Development, Test & Eval, DW	998,721	1,066,187			1,066,187
Total Research, Development, Test & Evaluation	998,721	1,066,187			1,066,187

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

16 Jan 2020

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	993,732				993,732
Total Research, Development, Test & Evaluation	993,732				993,732

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

16 Jan 2020

EX 2020

Summary Recap of Budget Activities	FY 2019 (Base + OCO)	Base Enacted	OCO Enacted	Total Enacted (Base+Emerg+ OCO)
Basic Research	40,901	48,238		48,238
Applied Research	189,614	215,057		215,057
Advanced Technology Development	140,740	175,486		175,486
Advanced Component Development & Prototypes	115,452	80,162		80,162
System Development & Demonstration	344,745	365,047		385,047
Management Support	125,456	110,363		110,363
Operational Systems Development	41,813	51,834		51,834
Total Research, Development, Test & Evaluation	998,721	1,066,187		1,066,187
Summary Recap of FYDP Programs				
Research and Development	998,721	1,066,187		1,066,187
Total Research, Development, Test & Evaluation	998,721	1,066,187		1,066,187

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

		FY 2021	Direct War	FY 2021	FY 2021
	FY 2021	OCO for Base		Total	Total
Summary Recap of Budget Activities	Base	Requirements	Costs	oco	(Base + OCO)
	*****		***		
Basic Research	45,300				45,300
1221774 million					
Applied Research	201,807				201,807
Advanced Technology Development	188,001				188,001
Advanced Component Development & Prototypes	76,167				76,167
System Development & Demonstration	319,976				319,976
					1000075940006 - 10000 400007001 - 10000070
Management Support	122,951				122,951
Operational Systems Development	39,530				39,530
Total Research, Development, Test & Evaluation	993,732				993,732
Summary Recap of FYDP Programs					
Research and Development	993,732				993,732
	w/min/6/6/min				
Total Research, Development, Test & Evaluation	993,732				993,732

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

Total Obligational Authority
(Dollars in Thousands)

16 Jan 2020

Summary Recap of Budget Activities	FY 2019 (Base + OCO)	FY 2020 Base Enacted	54-55	FY 2020 OCO Enacted	FY 2020 Total Enacted (Base+Emerg+ OCO)
Basic Research	40,901	48,238			48,238
Applied Research	189,614	215,057			215,057
Advanced Technology Development	140,740	175,486			175,486
Advanced Component Development & Prototypes	115,452	80,162			80,162
System Development & Demonstration	344,745	385,047			385,047
Management Support	125,456	110,363			110,363
Operational Systems Development	41,813	51,834			51,834
Total Research, Development, Test & Evaluation	998,721	1,066,187			1,066,187
Summary Recap of FYDP Programs					
Research and Development	998,721	1,066,187			1,066,187
Total Research, Development, Test & Evaluation	998,721	1,066,187			1,066,187

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

(Dollars in Thousands)

FY 2021

16 Jan 2020

			OCO for		
		FY 2021	Direct War	FY 2021	FY 2021
	FY 2021	OCO for Base		Total	Total
Summary Recap of Budget Activities	Base	Requirements	Costs	oco	(Base + OCO)
y					
Basic Research	45,300				45,300
Applied Research	201,807				201,807
Advanced Technology Development	188,001				188,001
Advanced Component Development & Prototypes	76,167				76,167
System Development & Demonstration	319,976				319,976
Management Support	122,951				122,951
Operational Systems Development	39,530				39,530
Total Research, Development, Test & Evaluation	993,732				993,732
Summary Recap of FYDP Programs					
Research and Development	993,732				993,732
Total Research, Development, Test & Evaluation	993,732				993,732

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

16 Jan 2020

	FY 2019	FY 2020	FY 2020	FY 2020	FY 2020 Total Enacted (Base+Emerg+
Appropriation	(Base + OCO)	Base Enacted	Emergency	OCO Enacted	OCO)
Chemical and Biological Defense Program	998,721	1,066,187			1,066,187
Total Research, Development, Test & Evaluation	998,721	1,066,187			1,066,187

Defense-Wide FY 2021President's Budget

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

(Dollars in Thousands)

16 Jan 2020

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OCO	i.	£	or	

	FY 2021	FY 2021 OCO for Base	Direct War and Enduring	FY 2021 Total	FY 2021 Total
	FI ZUZI	OCO TOT Dase	and billiar ing	TOCAL	TOCAL
Appropriation	Base	Requirements	Costs	oco	(Base + OCO)
Chemical and Biological Defense Program	993,732				993,732
Total Research, Development, Test & Evaluation	993,732				993,732

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

	Program Element Number	Item	Act	FY 2019	FY 2020 Base Enacted	FY 2020	FY 2020	FY 2020 Total Enacted (Base+Emerg+	
NO	Number	rcem	ACL	(Base + OCO)	base Enacted	Emergency	OCO Enacted	OCO)	Ç
073/73									60 00 4
7	0601384BP	Chemical and Biological Defense Program	01	40,901	48,238			48,238	U

	Basic	Research		40,901	48,238			48,238	
16	0602384BP	Chemical and Biological Defense Program	02	189,614	215,057			215,057	U

	Appli	ed Research		189,614	215,057			215,057	
44	0603384BP	Chemical and Biological Defense Program - Advanced Development	03	140,740	175,486			175,486	U
	Advan	ced Technology Development		140,740	175,486			175,486	
78	0603884BP	Chemical and Biological Defense Program - Dem/Val	04	115,452	80,162			80,162	U
	Advan	ced Component Development & Prototyp	es	115,452	80,162			80,162	
126	0604384BP	Chemical and Biological Defense Program - EMD	05	344,745	385,047			385,047	U
	200	<u> </u>						7755575757	
	Syste	m Development & Demonstration		344,745	385,047			385,047	
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
	Manag	ement Support		125,456	110,363			110,363	
204	0607384BP	Chemical and Biological Defense (Operational Systems Development)	07	41,813	51,834			51,834	U
	1 <u>0</u> 00000000000					222222222			
	Opera	tional Systems Development		41,813	51,834			51,834	
Total	Research,	Development, Test & Eval, DW		998,721	1,066,187			1,066,187	

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16 Jan 2020

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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 2021 OCO for

						OCO TOP			
	Program				FY 2021	Direct War	FY 2021	FY 2021	S
Line	Element			FY 2021	OCO for Base	and Enduring	Total	Total	е
	Number	Item	Act	Base	Requirements	Costs	oco	(Base + OCO)	
****		***			redurrements.			(Danc F oco)	
573,0704		677CT1.75CE4	D:5070						
7	0601384BP	Chemical and Biological Defense Program	01	45,300				45,300	U

	Basic	Research		45.300				45,300	
16	0602384BP	Chemical and Biological Defense Program	02	201,807				201,807	U
	Appli	ed Research		201,807				201,807	
44	0603384BP	Chemical and Biological Defense Program - Advanced Development	03	188,001				188,001	Ü
	Advan	ced Technology Development		188,001				188,001	
0.000.00									
78	0603884BP	Chemical and Biological Defense Program - Dem/Val	04	76,167				76,167	U
	Advan	ced Component Development & Prototyp	es	76,167				76,167	
126	0604384BP	Chemical and Biological Defense Program - EMD	05	319,976				319,976	U
					5745570557		5705500550		
	Syste	m Development & Demonstration		319,976				319,976	
160	0605384BP	Chemical and Biological Defense Program	06	122,951				122,951	U
161	0605502BP	Small Business Innovative Research	06						U
		- Chemical Biological Def							
	Manag	ement Support		122,951				122,951	
	nanag	Shelle Beppore		100,001				120,001	
204	0607384BP	Chemical and Biological Defense (Operational Systems Development)	07	39,530				39,530	U
					*				
	Opera	tional Systems Development		39,530				39,530	
TT - 1		ACTION CONTROL MATERIAL DISPLACE AND		000 500				000 700	
Total	Research,	Development, Test & Eval, DW		993,732				993,732	

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16 Jan 2020

Chemical and Biological Defense Program 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
	rogram				W 2000	25.04.12 S.C	G 50203	Total Enacted S
Line El		260.000000	act mean out	FY 2019	FY 2020	FY 2020	FY 2020	(Base+Emerg+ e
No Nu		Item	Act		Base Enacted	Emergency	OCO Enacted	OCO) c
						+=(=(=(===(=(===))	*****	
7 06	501384BP	Chemical and Biological Defense Program	01	40,901	48,238			48,238 U
000000000								
Bası	ic Resear	ch		40,901	48,238			48,238
16 06	502384BP	Chemical and Biological Defense Program	02	189,614	215,057			215,057 U
App1	lied Rese	arch		189,614	215,057			215,057
44 06	503384BP	Chemical and Biological Defense Program - Advanced Development	03	140,740	1 A 7 D G 1 THE C TO A 12 OF A			175,486 U
2000-027-02		Emiliana Emiliana Arma - Annorth Annorth Emiliana Annorth Anno						********
Adva	inced Tec	hnology Development		140,740	175,486			175,486
78 06	503884BP	Chemical and Biological Defense Program - Dem/Val	04	115,452	80,162			80,162 U
Adva	anced Com	ponent Development & Prototypes		115,452	80,162			80,162
126 06	04384BP	Chemical and Biological Defense Program - EMD	05	344,745	385,047			385,047 U
_	22							
Syst	em Devel	opment & Demonstration		344,745	385,047			385,047
160 06	05384BP	Chemical and Biological Defense Program	06	104,187	110,363			110,363 U
161 06	05502BP	Small Business Innovative Research - Chemical Biological Def	06	21,269				υ
Mana	gement S	upport		125,456	110,363			110,363
204 06	07384BP	Chemical and Biological Defense (Operational Systems Development)	07	41,813				51,834 U
Oper	rational .	Systems Development		41,813	51,834			51,834
Total C	Chemical	and Biological Defense Program		998,721	1,066,187			1,066,187

Chemical and Biological Defense Program 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 E	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
7 (0601384BP	Chemical and Biological Defense Program	01	45,300				45,300	
Basic Research				45,300	1000110011	******	*******	45,300	
basic Research				45,300				45,300	
16 0	0602384BP	Chemical and Biological Defense Program	02	201,807				201,807	
Applied Research				201,807				201,807	
44 0	0603384BP	Chemical and Biological Defense Program - Advanced Development	03	188,001				188,001	
Advanced Technology Development				188,001				188,001	
serviced recupored, pererobusing				100,001				100,001	
78 0	0603884BP	Chemical and Biological Defense Program - Dem/Val	04	76,167				76,167	U
Advanced Component Development & Prototypes				76,167				76,167	
126 0	0604384BP	Chemical and Biological Defense Program - EMD	05	319,976				319,976	IJ
Burton Burton Burton Burton							210.000		
System Development & Demonstration				319,976				319,976	
160 0	0605384BP	Chemical and Biological Defense Program	06	122,951				122,951	U
161 0	0605502BP	Small Business Innovative Research - Chemical Biological Def	06						U
Management Support				122 051				122,951	
Management Support				122,951				122,531	
204 0	607384BP	Chemical and Biological Defense (Operational Systems Development)	07	39,530				39,530	
0		Great and Barrel annual		39,530				39,530	
Obe	rational	Systems Development		39,530				33,330	
Total	Chemical	and Biological Defense Program		993,732				993,732	