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**Department of Defense
Fiscal Year (FY) 2021 Budget Estimates**

February 2020



Defense Contract Management Agency

Defense-Wide Justification Book Volume 5 of 5

Research, Development, Test & Evaluation, Defense-Wide

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Defense Contract Management Agency • Budget Estimates FY 2021 • RDT&E Program

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

13 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	2,090	3,495			3,495
Total Research, Development, Test & Evaluation	2,090	3,495			3,495

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

13 Feb 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	1,441				1,441
Total Research, Development, Test & Evaluation	1,441				1,441

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

13 Feb 2020

	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>					
System Development & Demonstration	2,090	3,495			3,495
Total Research, Development, Test & Evaluation	2,090	3,495			3,495
<u>Summary Recap of FYDP Programs</u>					
Intelligence and Communications			425		425
Research and Development	2,090	3,070			3,070
Total Research, Development, Test & Evaluation	2,090	3,495			3,495

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Department of Defense
 FY 2021 President's Budget
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 (Dollars in Thousands)

13 Feb 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)
<u>Summary Recap of Budget Activities</u>					
System Development & Demonstration	1,441				1,441
Total Research, Development, Test & Evaluation	1,441				1,441
<u>Summary Recap of FYDP Programs</u>					
Intelligence and Communications					
Research and Development	1,441				1,441
Total Research, Development, Test & Evaluation	1,441				1,441

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 FY 2021 President's Budget
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 (Dollars in Thousands)

13 Feb 2020

	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted	FY 2020 Total Enacted (Base+Emerg+ OCO)
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Total Research, Development, Test & Evaluation	2,090	3,495			3,495
<u>Summary Recap of FYDP Programs</u>					
Intelligence and Communications			425		425
Research and Development	2,090	3,070			3,070
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FY 2021 President's Budget
Exhibit R-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

13 Feb 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 -----					
System Development & Demonstration	1,441				1,441
Total Research, Development, Test & Evaluation	1,441				1,441
Summary Recap of FYDP Programs -----					
Intelligence and Communications					
Research and Development	1,441				1,441
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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)
Defense Contract Management Agency	2,090	3,495			3,495
Total Research, Development, Test & Evaluation	2,090	3,495			3,495

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13 Feb 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)
Defense Contract Management Agency	1,441				1,441
Total Research, Development, Test & Evaluation	1,441				1,441

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

13 Feb 2020

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
129	0605013BL	Information Technology Development	05	2,090	3,070			3,070 U
141	0303140BL	Information Systems Security Program	05		425			425 U
		System Development & Demonstration		2,090	3,495			3,495
Total Research, Development, Test & Eval, DW				2,090	3,495			3,495

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 Total Obligational Authority
 (Dollars in Thousands)

13 Feb 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)	See
129	0605013BL	Information Technology Development	05	1,441				1,441	U
141	0303140BL	Information Systems Security Program	05						U
		System Development & Demonstration		1,441				1,441	
Total Research, Development, Test & Eval, DW				1,441				1,441	

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Defense Contract Management Agency
 FY 2021 President's Budget
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 (Dollars in Thousands)

13 Feb 2020

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
129	0605013BL	Information Technology Development	05	2,090	3,070			3,070	U
141	0303140BL	Information Systems Security Program	05		425			425	U
		System Development & Demonstration		2,090	3,495			3,495	
		Total Defense Contract Management Agency		2,090	3,495			3,495	

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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)	Section
129	0605013BL	Information Technology Development	05	1,441				1,441	U
141	0303140BL	Information Systems Security Program	05						U
		System Development & Demonstration		1,441				1,441	
Total Defense Contract Management Agency				1,441				1,441	

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Appropriation 0400: Research, Development, Test & Evaluation, Defense-Wide

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Exhibit R-2, RDT&E Budget Item Justification: PB 2021 Defense Contract Management Agency **Date:** February 2020

Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 5: System Development & Demonstration (SDD)</i>					PE 0605013BL / <i>Information Technology Development</i>							
COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
Total Program Element	178.795	11.988	3.070	1.441	-	1.441	0.000	0.000	0.000	0.000	Continuing	Continuing
01: <i>Systems Modifications and Development</i>	178.795	11.988	3.070	1.441	-	1.441	0.000	0.000	0.000	0.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

DCMA is currently engaged in several major initiatives to improve our information technology environment. Information technology is the primary enabling capability our acquisition workforce is reliant upon to communicate with contractors, the DoD acquisition community and our customers. These initiatives are driven by the National Defense Strategy business reform line of effort. On December 21, 2017, the Reform Management Group directed the Information Technology (IT) and Business Systems Reform Lead to review Fourth Estate IT networks, policies, business processes, functions, costs and Chief Information Officer (CIO) organizational structures and manpower requirements across the Fourth Estate. In support of this directive, DCMA is structuring its information technology investments to be in synchronization with the vision of the DoD guidance. One early result of this review is the decision to transfer commodity information technology administrative control to Defense Information Systems Agency (DISA), which will occur in FY 2021.

DCMA's IT investment strategy is being driven by the Director's initiatives to: 1) Develop Mission Business Systems; 2) Leverage Commodity IT Buying Power Through DISA; and 3) Focus On The Last Tactical Mile. These initiatives directly align and support the Optimization and Modernization efforts of the DoD CIO, which include: 1) Network Optimization; 2) Data Center Optimization; 3) Mission Partner Engagement; 4) Defense Travel Modernization ; 5) Enterprise Collaboration; 6) Consolidation of Cyber and IT Responsibilities; 7) Rationalize Business Systems; 8) Streamline IT Commodity Purchasing.

Development and research initiatives are a core component in DCMA's ability to align efforts appropriately to the DoD CIO IT Reform Initiative. In order to meet the needs of the DoD community, DCMA's current efforts are focused on the development of investments in two core areas: 1) DCMA App Store; and 2) Wide Area Work-Flow (WAWF).

These initiatives will empower mobile and fixed users ability to utilize DoD enterprise capabilities with the same level or better efficiency and effectiveness. DCMA also has a mandate to align with DoD strategy for digital modernization of enterprise capabilities. This involves migrating DCMA application infrastructure to enterprise hosting environments and modern technology platforms, rationalizing existing applications to ensure capabilities align with mission requirements, and adopting new DoD strategies for modern software development methodologies.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2021 Defense Contract Management Agency **Date:** February 2020

Appropriation/Budget Activity	R-1 Program Element (Number/Name)
0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 5: System Development & Demonstration (SDD)</i>	PE 0605013BL / <i>Information Technology Development</i>

B. Program Change Summary (\$ in Millions)	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Previous President's Budget	11.988	3.070	1.441	-	1.441
Current President's Budget	11.988	3.070	1.441	-	1.441
Total Adjustments	0.000	0.000	0.000	-	0.000
• Congressional General Reductions	0.000	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

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Exhibit R-2A, RDT&E Project Justification: PB 2021 Defense Contract Management Agency										Date: February 2020		
Appropriation/Budget Activity 0400 / 5					R-1 Program Element (Number/Name) PE 0605013BL / <i>Information Technology Development</i>				Project (Number/Name) 01 / <i>Systems Modifications and Development</i>			
COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
01: <i>Systems Modifications and Development</i>	178.795	11.988	3.070	1.441	-	1.441	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Development and research initiatives are a core component in DCMA's ability to align efforts appropriately to the DoD CIO IT Reform Initiative. DCMA has a mandate to align with DoD strategy for digital modernization of enterprise capabilities. This involves migrating DCMA application infrastructure to enterprise hosting environments and modern technology platforms, rationalizing existing applications to ensure capabilities align with mission requirements, and adopting new DoD strategies for modern software development methodologies. This will ensure delivery of secure, interoperable, and optimized solutions. In order to meet the needs of the DoD community, DCMA's current effort is to develop the DCMA App Store.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2019	FY 2020	FY 2021
Title: System Modifications and Development	11.988	3.070	1.441
<p>Description: The DCMA will use the system and modifications program to focus on two main efforts which support: 1) messaging and collaboration (DCMA App Store). The DCMA App Store is required to centralize DCMA's acquisition mission specific applications into one application platform that will be housed on a DISA existing Impact Level 4 accredited cloud platform. This effort is predicated on the implementation of the 4th Estate IT Reform Initiative, which includes migrating application workloads to milCloud2. DCMA began this migration effort in FY 2019, but schedule delays have shift the start of the business application modernization to 3rd Quarter FY 2020.</p> <p>FY 2020 Plans: DCMA App Store DCMA will begin consolidating IT investments and transitioning subsequent applications to milCloud2 and other existing DoD capabilities/environments by 2nd Qtr FY 2020. Funding in FY 2020 and FY 2021 will be used to develop the concept of operations for building mission capabilities in a cloud environment, prototyping configuration management solutions that enable Development, Security, and Operations methodologies, and creating frameworks for automated testing solutions for rapid verification of application functionality.</p> <p>WAWF This effort will provide a more efficient way to retrieve accepted receiving report information for their active Commercial and Government Entity (CAGE) Codes and applicable extensions when initiating invoices for WAWF direct and vendor direct-shipping deliveries. It will reduce significant manual processes as an electronic solution is currently unavailable. In addition, funding</p>			

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Exhibit R-2A, RDT&E Project Justification: PB 2021 Defense Contract Management Agency		Date: February 2020
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605013BL / <i>Information Technology Development</i>	Project (Number/Name) 01 / <i>Systems Modifications and Development</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2019	FY 2020	FY 2021
<p>will be used to develop processes to increase electronic submissions and decrease manual labor to create paper corrected receiving reports and prevent delays due to manual processing of documents. Requested changes for Wide Area WorkFlow were submitted to the Operational Requirements Committee (ORC) for review and approval. This committee is chaired by Defense Pricing and Contracting Office (DPC) and the Office of the Under Secretary of Defense (Comptroller) (OUSD (C)).</p> <p>FY 2021 Plans: DCMA App Store FY 2021 RDT&E will be used for activities in the material solution analysis and technology maturation and risk reduction phases of the acquisition life cycle, including Analysis of Alternatives, initial lifecycle sustainment plan, and initial concept of operations, system engineering plan, high level system design, prototyping, test and evaluation master plan.</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: Explanation of change from FY 2020 to FY 2021 decreases result from anticipated WAWF requirements identified and a delay in the DCMA transition of application infrastructure to DISA enterprise hosting environments and modern technology platforms, which caused a slight schedule shift to the rationalization of existing applications to ensure capabilities align with mission requirements, and adopting new DoD strategies for modern software development methodologies for DCMA's App Store.</p>			
Accomplishments/Planned Programs Subtotals	11.988	3.070	1.441

C. Other Program Funding Summary (\$ in Millions)

N/A

Remarks

D. Acquisition Strategy

The DoD CIO's strategy addresses Cloud, Cyber and Artificial Intelligence Initiatives and their implementation via the DoD IT Reform Initiative. The DCMA Director has identified three DCMA initiatives in alignment with the DoD CIO's initiatives to include: 1) Off-Ramping IT Services 2) Mission System Development and 3) The Last Tactical Mile.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Defense Contract Management Agency **Date:** February 2020

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605013BL / <i>Information Technology Development</i>	Project (Number/Name) 01 / <i>Systems Modifications and Development</i>
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Product Development (\$ in Millions)				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
DCMA App Store	C/FFP	Various : Various	-	-		2.270	Jan 2020	1.441		-		1.441	Continuing	Continuing	3.712
WAWF	C/FFP	Various : Various	-	-		0.800	Jan 2020	-		-		-	Continuing	Continuing	0.800
Other Programs	C/FFP	Various : Various	178.795	11.988		-		-		-		-	Continuing	Continuing	-
Subtotal			178.795	11.988		3.070		1.441		-		1.441	Continuing	Continuing	N/A

	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals		178.795	11.988	3.070	1.441	-	1.441	Continuing	Continuing	N/A

Remarks
The DCMA Information Technology supports the Agency's CAS mission by capitalizing on IT investment innovations that leverage technology to achieve an agile enterprise architecture that improves its contract management workforce's productivity, efficiency, and effectiveness.

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Exhibit R-4, RDT&E Schedule Profile: PB 2021 Defense Contract Management Agency **Date:** February 2020

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605013BL / <i>Information Technology Development</i>	Project (Number/Name) 01 / <i>Systems Modifications and Development</i>
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FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

WAWF	
Requirement	
Development	
Other Programs	
Requirement	
DCMA App Store Capability Release Sprint 1	
Requirement	
Design	
Development	
Testing	
Deployment	

FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

WAWF	
Requirement	
Development	
Other Programs	
Requirement	
DCMA App Store Capability Release Sprint 1	
Requirement	
Design	
Development	

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Exhibit R-4, RDT&E Schedule Profile: PB 2021 Defense Contract Management Agency **Date:** February 2020

Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605013BL / <i>Information Technology Development</i>	Project (Number/Name) 01 / <i>Systems Modifications and Development</i>
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	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Testing			
Deployment			

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Exhibit R-4A, RDT&E Schedule Details: PB 2021 Defense Contract Management Agency		Date: February 2020
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605013BL / <i>Information Technology Development</i>	Project (Number/Name) 01 / <i>Systems Modifications and Development</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
WAWF				
Requirement	2	2020	2	2020
Development	2	2020	4	2020
Other Programs				
Requirement	1	2018	4	2019
DCMA App Store Capability Release Sprint 1				
Requirement	4	2018	2	2020
Design	3	2020	2	2021
Development	1	2021	4	2021
Testing	2	2021	1	2022
Deployment	2	2021	1	2022