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Exhibit R-2, RDT&E Budget Item Justification: PB 2021 Office of the Secretary Of Defense **Date:** February 2020

Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide I BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 Program Element (Number/Name) PE 0303191D8Z I Joint Electromagnetic Technology (JET) Program
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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	13.985	3.096	3.191	0.997	-	0.997	0.997	0.997	0.997	0.997	Continuing	Continuing
192: Joint Electromagnetic Technology (JET) Program	13.985	3.096	3.191	0.997	-	0.997	0.997	0.997	0.997	0.997	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The JET Program supports the Defense Community in actively pursuing technical and regulatory solutions that benefit the DoD while also understanding the ever-changing global telecommunication market and subsequent technology trends to support robust public policy deliberations and decisions. This program supports the Defense Community in general with a particular emphasis Electromagnetic Spectrum (EMS) Operations, band assessments, and technology assessments to effectively support the Department's efforts to procure and field new capabilities. Details of the program are classified.

B. Program Change Summary (\$ in Millions)

	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021 Base</u>	<u>FY 2021 OCO</u>	<u>FY 2021 Total</u>
Previous President's Budget	3.097	3.191	3.237	-	3.237
Current President's Budget	3.096	3.191	0.997	-	0.997
Total Adjustments	-0.001	0.000	-2.240	-	-2.240
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Financing Cancelled Account	-0.001	-	-	-	-
• DWR	-	-	-2.237	-	-2.237
• Economic Assumptions	-	-	-0.003	-	-0.003

Change Summary Explanation

FY19: Reprogramming FY19 Financing Cancelled Account Reduction -0.001 million.

FY21: The FY 2021 funding request was reduced by \$2.237 million during DWR to account for change in requirements, resulting in a reduced level of effort.

FY21: Defense-Wide Economic Assumptions -.003 million.

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

	FY 2019	FY 2020	FY 2021
Title: JET Program Initiatives	3.096	3.191	0.997

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2019	FY 2020	FY 2021
<i>FY 2020 Plans:</i> Program Planning and Support			
<i>FY 2021 Plans:</i> Program Planning and Support			
<i>FY 2020 to FY 2021 Increase/Decrease Statement:</i> Program adjustment.			
Accomplishments/Planned Programs Subtotals	3.096	3.191	0.997

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

N/A

Remarks

E. Acquisition Strategy

N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Office of the Secretary Of Defense **Date:** February 2020

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0303191D8Z / <i>Joint Electromagnetic Technology (JET) Program</i>	Project (Number/Name) 192 / <i>Joint Electromagnetic Technology (JET) Program</i>
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Support (\$ 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			
Technical Engineering Services	Option/FFP	Various : Various	12.089	1.000	Jul 2019	1.200	Jul 2020	-		-		-	-	-	-
Subtotal			12.089	1.000		1.200		-		-		-	-	-	N/A

Management Services (\$ 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			
Program Management Support	C/Various	Various : Various	1.000	1.099	Jul 2019	1.200	Jul 2020	-		-		-	-	-	-
Engineering Support FFRDC	Option/Various	Various : Various	0.896	0.997	Jul 2019	0.791	Jul 2020	0.997	Jul 2021	-		0.997	Continuing	Continuing	-
Subtotal			1.896	2.096		1.991		0.997		-		0.997	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			13.985	3.096	3.191	0.997	-	0.997	Continuing	Continuing	N/A

Remarks
NA

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Exhibit R-4, RDT&E Schedule Profile: PB 2021 Office of the Secretary Of Defense		Date: February 2020
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R4 PE 0303191D8Z Joint Electromagnetic Technology (JET) Program					
	10/1/2021	10/1/2022	10/1/2023	10/1/2024	10/1/2025
FY2021 Program Execution					
FY2022 Program Execution					
FY2023 Program Execution					
FY2024 Program Execution					
FY2025 Program Execution					

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Exhibit R-4A, RDT&E Schedule Details: PB 2021 Office of the Secretary Of Defense		Date: February 2020
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
*** SUBPROJECT TITLE ***				
FY21 Project Execution	3	2021	2	2022
FY22 Project Execution	1	2022	2	2023
FY23 Project Execution	1	2023	2	2024
FY24 Project Execution	1	2024	2	2025
FY25 Project Execution	1	2025	4	2025