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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2020 Office of the Secretary Of Defense **Date:** February 2019

<b>Appropriation/Budget Activity</b> 0400: Research, Development, Test & Evaluation, Defense-Wide I BA 4: Advanced Component Development & Prototypes (ACD&P)	<b>R-1 Program Element (Number/Name)</b> PE 0303191D8Z I Joint Electromagnetic Technology (JET) Program
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COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	11.089	2.896	3.097	3.191	-	3.191	3.237	3.284	3.346	3.346	Continuing	Continuing
192: Joint Electromagnetic Technology (JET) Program	11.089	2.896	3.097	3.191	-	3.191	3.237	3.284	3.346	3.346	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

The JET Program supports the Defense Community in general with a particular emphasis on the communication requirements of Special Forces and Intelligence. Details of the program are classified. This program is funded under Budget Activity 4, Demonstration and Validation.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>
Previous President's Budget	2.902	3.104	3.191	-	3.191
Current President's Budget	2.896	3.097	3.191	-	3.191
Total Adjustments	-0.006	-0.007	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• FFRDC Reduction	-0.006	-0.007		-	-

**Change Summary Explanation**

FY 2018: FFRDC Reduction -0.006 million.  
 FY 2019: FFRDC Reduction -0.007 million..  
 FY 2020: No change.

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**Exhibit R-2A, RDT&E Project Justification:** PB 2020 Office of the Secretary Of Defense **Date:** February 2019

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0303191D8Z / <i>Joint Electromagnetic Technology (JET) Program</i>	<b>Project (Number/Name)</b> 192 / <i>Joint Electromagnetic Technology (JET) Program</i>
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COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
<i>192: Joint Electromagnetic Technology (JET) Program</i>	11.089	2.896	3.097	3.191	-	3.191	3.237	3.284	3.346	3.346	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

The JET Program supports the Defense Community in general with a particular emphasis on the communication requirements of Special Forces and Intelligence. Details of the program are classified. This program is funded under Budget Activity 4, Demonstration and Validation.

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

	FY 2018	FY 2019	FY 2020
<b>Title:</b> JET Program Initiatives	2.896	3.097	3.191
<b>FY 2019 Plans:</b> Program Planning and Support			
<b>FY 2020 Plans:</b> Program Planning and Support			
<b>FY 2019 to FY 2020 Increase/Decrease Statement:</b> Program Growth			
<b>Accomplishments/Planned Programs Subtotals</b>	2.896	3.097	3.191

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

N/A

**Remarks**

**D. Acquisition Strategy**

N/A

**E. Performance Metrics**

- Numbers of operational field demonstrations.
- Numbers of false-positive results.
- Successful technology transfer to service component.
- Number of service requirements satisfied.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Office of the Secretary Of Defense** **Date:** February 2019

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0303191D8Z / <i>Joint Electromagnetic Technology (JET) Program</i>	<b>Project (Number/Name)</b> 192 / <i>Joint Electromagnetic Technology (JET) Program</i>
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<b>Support (\$ in Millions)</b>				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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	11.089	1.000	Jul 2018	1.000	Jul 2019	1.200	Jul 2020	-		1.200	Continuing	Continuing	-
<b>Subtotal</b>			11.089	1.000		1.000		1.200		-		1.200	Continuing	Continuing	N/A

<b>Management Services (\$ in Millions)</b>				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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	Jul 2018	1.100	Jul 2019	1.200	Jul 2020	-		1.200	Continuing	Continuing	-
Engineering Support FFRDC	Option/Various	Various : Various	-	0.896	Jul 2018	0.997	Jul 2019	0.791	Jul 2020	-		0.791	Continuing	Continuing	-
<b>Subtotal</b>			-	1.896		2.097		1.991		-		1.991	Continuing	Continuing	N/A

			Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>			11.089	2.896	3.097	3.191	-	3.191	Continuing	Continuing	N/A

**Remarks**  
NA

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**Exhibit R-4, RDT&E Schedule Profile:** PB 2020 Office of the Secretary Of Defense **Date:** February 2019

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0303191D8Z / <i>Joint Electromagnetic Technology (JET) Program</i>	<b>Project (Number/Name)</b> 192 / <i>Joint Electromagnetic Technology (JET) Program</i>
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R4
PE: 0303191D8Z / <i>Joint Electromagnetic Technology</i>

Funding supports the development of Joint Electromagnetic Technologies (JET) that support DoD Special communications and communications assurance.

	10/1/2018	10/1/2019	10/1/2020	10/1/2021	10/1/2022	10/1/2023	10/1/2024	10/1/2025
FY2018 Program Execution								
FY2019 Program Execution								
FY2020 Program Execution								
FY2021 Program Execution								
FY2022 Program Execution								
FY2023 Program Execution								
FY2024 Program Execution								

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2020 Office of the Secretary Of Defense		<b>Date:</b> February 2019
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0303191D8Z / <i>Joint Electromagnetic Technology (JET) Program</i>	<b>Project (Number/Name)</b> 192 / <i>Joint Electromagnetic Technology (JET) Program</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>*** SUBPROJECT TITLE ***</b>				
FY19 Project Execution	1	2019	2	2020
FY20 Project Execution	1	2020	2	2021
FY21 Project Execution	1	2021	2	2022
FY22 Project Execution	1	2022	2	2023
FY23 Project Execution	1	2023	2	2024