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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Defense Advanced Research Projects Agency **Date:** March 2023

Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide / BA 6: RDT&E Management Support	R-1 Program Element (Number/Name) PE 0605502E / SMALL BUSINESS INNOVATION RESEARCH
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	-	121.410	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-
SB-01: SMALL BUSINESS INNOVATION RESEARCH	-	121.410	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

In accordance with Public Law No: 116-92 (National Defense Authorization Act 2020) and the Small Business Act (15 U.S.C. 638), the DARPA Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs are designed to provide small, high-tech businesses and academic institutions the opportunity to propose radical, innovative, high-risk approaches to address existing and emerging national security threats, thereby supporting DARPA's overall strategy to enable fundamental discoveries and technological breakthroughs that provide new military capabilities.

B. Program Change Summary (\$ in Millions)

	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024 Base</u>	<u>FY 2024 OCO</u>	<u>FY 2024 Total</u>
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	121.410	0.000	0.000	-	0.000
Total Adjustments	121.410	0.000	0.000	-	0.000
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	121.410	0.000			

Change Summary Explanation

FY 2022: Increase reflects SBIR/STTR transfer.
 FY 2023: N/A
 FY 2024: N/A

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

	FY 2022	FY 2023	FY 2024
Title: Small Business Innovation Research	121.410	0.000	0.000
Description: The Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs are designed to provide small, high-tech businesses and academic institutions the opportunity to propose radical, innovative, high-risk			

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

approaches to address existing and emerging national security threats; thereby supporting DARPA's overall strategy to enable fundamental discoveries and technological breakthroughs that provide new military capabilities.

FY 2023 Plans:

- Continue to utilize DoD Out of Cycle BAA to release SBIR/STTR topics on a Just-in-Time basis.
- Leverage DARPA SBIR/STTR topics in support of larger DARPA Programs to the highest extent possible to ensure successful transition of SBIR/STTR technologies.
- Continue to utilize various funding pathways available to the SBIR/STTR programs. This includes, Phase I, Phase II, Direct to Phase II, co-funds, cross agency awards, Phase II Enhancements, and SBIR XL Pilot.
- SBIR XL aims to increase opportunities for DARPA funded technology by reimagining SBIRs to transform ideas into successful small businesses that scale. The goals of SBIR XL include: (1) increase relevance of SBIR Program for Technology Development in DARPA; (2) emphasize transition and commercialization as part of evaluation process including establishment of concrete commercialization milestones; (3) raise award ceilings to support efforts for operation-scale deployment, increasing the probability of technology transition and commercialization; (4) decrease award timelines.
- DARPA will link wherever possible to the OUSD(R&E) Critical Technology Areas which include (1) FutureG; (2) Trusted AI and Autonomy; (3) Biotechnology; (4) Advanced Computing and Software; (5) Integrated Sensing and Cyber; (6) Directed Energy (DE); (7) Hypersonics; (8) Microelectronics; (9) Integrated Network Systems-of-Systems; (10) Quantum Science; (11) Space Technology; (12) Renewable Energy Generation and Storage; (13) Advanced Materials; (14) Human-Machine Interfaces.

FY 2024 Plans:

- Continue to utilize DoD Out of Cycle BAA to release SBIR/STTR topics on a Just-in-Time basis.
- Leverage DARPA SBIR/STTR topics in support of larger DARPA Programs to the highest extent possible to ensure successful transition of SBIR/STTR technologies.
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- DARPA will link wherever possible to the OUSD(R&E) Critical Technology Areas which include (1) FutureG; (2) Trusted AI and Autonomy; (3) Biotechnology; (4) Advanced Computing and Software; (5) Integrated Sensing and Cyber; (6) Directed Energy

	FY 2022	FY 2023	FY 2024

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
(DE); (7) Hypersonics; (8) Microelectronics; (9) Integrated Network Systems-of-Systems; (10) Quantum Science; (11) Space Technology; (12) Renewable Energy Generation and Storage; (13) Advanced Materials; (14) Human-Machine Interfaces.			
Accomplishments/Planned Programs Subtotals	121.410	0.000	0.000

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

N/A

Remarks

E. Acquisition Strategy

N/A