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

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 6:</i> <i>RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0605502C / <i>Small Business Innovation Research - MDA</i>
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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	-	107.641	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	107.641
MD45: <i>Small Business Innovation Research</i>	-	107.641	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	107.641

Program MDAP/MAIS Code: 362

Note

Funds are transferred into this Program Element (PE) in the execution year.

A. Mission Description and Budget Item Justification

Small Business Innovation Research (SBIR) explores innovative concepts pursuant to Public Law 106-554 (Small Business Reauthorization Act of 2000) and Public Law 107-50 (Small Business Technology Transfer Program Reauthorization Act of 2001), which mandates a two-phase competition for small businesses with innovative technology that can be commercialized. SBIR and Small Business Technology Transfer (STTR) programs will develop new dual-use technology for future Missile Defense Agency (MDA) Missile Defense System needs. Dual-use means that the technology will be judged on the potential for future private sector investment both as a vehicle for reducing development time and cost, unit costs of new Missile Defense System technology, and as a route to national economic growth through new commercial products. MDA will conduct the competition, award, and manage the contracts.

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	107.641	0.000	0.000	-	0.000
Total Adjustments	107.641	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	107.641	0.000			
• Other Adjustment	0.000	0.000	0.000	-	0.000

Change Summary Explanation

FY 2022 funds were transferred to SBIR/STTR from other PEs in accordance with the SBIR/STTR Reauthorization Act of 2011.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Missile Defense Agency										Date: March 2023		
Appropriation/Budget Activity 0400 / 6					R-1 Program Element (Number/Name) PE 0605502C / <i>Small Business Innovation Research - MDA</i>				Project (Number/Name) MD45 / <i>Small Business Innovation Research</i>			
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
MD45: <i>Small Business Innovation Research</i>	-	107.641	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	107.641
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

N/A

A. Mission Description and Budget Item Justification

Small Business Innovation Research (SBIR) explores innovative concepts pursuant to Public Law 106-554 (Small Business Reauthorization Act of 2000) and Public Law 107-50 (Small Business Technology Transfer Program Reauthorization Act of 2001), which mandates a two-phase competition for small businesses with innovative technology that can be commercialized. SBIR and Small Business Technology Transfer (STTR) programs will develop new dual-use technology for future Missile Defense Agency (MDA) Missile Defense System needs. Dual-use means that the technology will be judged on the potential for future private sector investment both as a vehicle for reducing development time and cost, unit costs of new Missile Defense System technology, and as a route to national economic growth through new commercial products. MDA will conduct the competition, award, and manage the contracts.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2022	FY 2023	FY 2024
Title: Small Business Innovation Research - MDA	107.641	0.000	0.000
Articles:	-	-	-
Description: MDA currently supports the Office of the Secretary of Defense (Research & Engineering) SBIR/STTR Office Critical Technology Areas as follows:			
Seed Areas of Emerging Opportunity:			
- Biotechnology			
- Quantum Science			
- Future Generation Wireless Technology			
- Advanced Materials			
Effective Adoption Areas (Where there is existing vibrant commercial sector activity):			
- Trusted Artificial Intelligence and Autonomy			
- Integrated Network Systems-of-Systems			
- Microelectronics			
- Space Technology			

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2022	FY 2023	FY 2024
<ul style="list-style-type: none"> - Renewable Energy Generation and Storage - Advanced Computing and Software - Human-Machine Interfaces <p>Defense-Specific Areas:</p> <ul style="list-style-type: none"> - Directed Energy - Hypersonics - Integrated Sensing and Cyber <p>FY 2023 Plans: Funds are transferred into this Program Element in the execution year. MDA plans to execute approximately \$115 million in fiscal year 2023 to support the above mentioned activities.</p> <p>FY 2024 Plans: Funds are transferred into this Program Element in the execution year. MDA plans to execute approximately \$129 million in fiscal year 2024 to support the above mentioned activities. Final amount to be determine by enactment.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: N/A</p>				
Accomplishments/Planned Programs Subtotals		107.641	0.000	0.000
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
D. Acquisition Strategy				
N/A				