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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Missile Defense Agency **Date:** March 2024

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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	-	111.224	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	111.224
MD45: <i>Small Business Innovation Research</i>	-	111.224	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	111.224

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 2023</u>	<u>FY 2024</u>	<u>FY 2025 Base</u>	<u>FY 2025 OCO</u>	<u>FY 2025 Total</u>
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	111.224	0.000	0.000	-	0.000
Total Adjustments	111.224	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	111.224	0.000			
• Other Adjustment	0.000	0.000	0.000	-	0.000

Change Summary Explanation

FY 2023 funds were transferred to SBIR/STTR from other PEs in accordance with the SBIR/STTR Extension Act of 2022.

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Missile Defense Agency										Date: March 2024		
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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
MD45: <i>Small Business Innovation Research</i>	-	111.224	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	111.224
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

	FY 2023	FY 2024	FY 2025
Title: Small Business Innovation Research - MDA	111.224	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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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>		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2023	FY 2024	FY 2025
<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 2024 Plans: Funds are transferred into this Program Element in the execution year. MDA plans to execute approximately \$123 million in fiscal year 2024 to support the above mentioned activities. Final amount to be determined by enactment.</p> <p>FY 2025 Plans: Funds are transferred into this Program Element in the execution year. MDA plans to execute approximately \$115 million in fiscal year 2025 to support the above mentioned activities. Final amount to be determined by enactment.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: N/A</p>				
Accomplishments/Planned Programs Subtotals		111.224	0.000	0.000
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
D. Acquisition Strategy				
N/A				