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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Office of the Secretary Of Defense **Date:** March 2023

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 2: Applied Research</i>	R-1 Program Element (Number/Name) PE 0602128D8Z I <i>Promotion and Protection Strategies</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	-	0.000	3.275	3.219	-	3.219	3.217	3.219	3.221	3.292	Continuing	Continuing
231: <i>Promotion and Protection Strategies</i>	-	0.000	3.275	3.219	-	3.219	3.217	3.219	3.221	3.292	Continuing	Continuing

Note

New Start (Y/N): No

A. Mission Description and Budget Item Justification

The Promotion and Protection Strategies program executes activities providing visibility, fostering partnerships, incentivizing industry transition partners, and supporting developmental ecosystem as a nucleus of defense industrial base for biotechnology.

For the Manufacturing Enabled by Modular Bioindustrial and Reusable (MEMBR) assets initiative, the program will bring together the Acquisition (e.g., Program Executive Officers, Program Managers, technology warrant officers, etc.), Policy, and Research and Engineering communities to establish a Biotechnology Acquisition and Investment Coordination Effort (BAICE). The BAICE will ensure integration of innovative biomanufactured products into DoD's systems and platforms through

The BAICE will create the Department's first coordinating body at DoD to centralize acquisition efforts for biotechnology. By providing visibility, fostering partnerships across DoD, and incentivizing industry transition partners, the BAICE will support a developmental ecosystem in which new technologies are not only pushed to higher budget activities from lower ones, but where personnel and industry partners at higher budget activities pull on technologies being developed at lower ones. This will serve as the nucleus of a defense industrial base for biotechnology that delivers innovative biomanufactured products into DoD's systems and platforms.

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	3.275	3.275	-	3.275
Current President's Budget	0.000	3.275	3.219	-	3.219
Total Adjustments	0.000	0.000	-0.056	-	-0.056
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	-0.056	-	-0.056

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Change Summary Explanation

The FY 2024 reduction of \$0.056 million is comprised of a realignment of \$0.071 million to support the Historically Black Colleges and Universities/Minority Serving Institutions program, which is a priority of the Under Secretary of Defense for Research and Engineering (USD(R&E)), \$0.003 million to support departmental priorities and an increase of \$0.018 million for economic assumptions.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Office of the Secretary Of Defense **Date:** March 2023

Appropriation/Budget Activity 0400 / 2					R-1 Program Element (Number/Name) PE 0602128D8Z / <i>Promotion and Protection Strategies</i>				Project (Number/Name) 231 / <i>Promotion and Protection Strategies</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
<i>231: Promotion and Protection Strategies</i>	-	0.000	3.275	3.219	-	3.219	3.217	3.219	3.221	3.292	Continuing	Continuing

Note

New Start (Y/N): No

A. Mission Description and Budget Item Justification

The Promotion and Protection Strategies program executes activities providing visibility, fostering partnerships, incentivizing industry transition partners, and supporting developmental ecosystem as a nucleus of defense industrial base for biotechnology.

For the Manufacturing Enabled by Modular Bioindustrial and Reusable (MEMBR) assets initiative, the program will bring together the Acquisition (e.g., Program Executive Officers, Program Managers, technology warrant officers, etc.), Policy, and Research and Engineering communities to establish a Biotechnology Acquisition and Investment Coordination Effort (BAICE). The BAICE will ensure integration of innovative biomanufactured products into DoD's systems and platforms through holistic acquisition and investment strategies.

The BAICE will create the Department's first coordinating body to centralize acquisition efforts for biotechnology. By providing visibility, fostering partnerships across DoD, and incentivizing industry transition partners, the BAICE will support a developmental ecosystem in which new technologies are not only pushed to higher budget activities from lower ones, but where personnel and industry partners at higher budget activities pull on technologies being developed at lower ones. This will serve as the nucleus of a defense industrial base for biotechnology that delivers innovative biomanufactured products into DoD's systems and platforms.

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

	FY 2022	FY 2023	FY 2024
Title: Biotechnology Acquisition and Investment Coordination Effort (BAICE)	-	3.275	3.219
Description: Ensure integration of biomanufactured products into DoD's systems and platforms through acquisition and investment.			
FY 2023 Plans:			
<ul style="list-style-type: none"> • Establish strategies to build new pilot/industrial scale manufacturing facilities with an innovation center incorporated to facilitate partnership with DoD and exploit collaboration opportunities with our allies. • Integrate stakeholders and align the Service and USG requirements with the development and manufacturing of bioproducts; identify capability gaps and opportunities for bioproducts to meet military requirements. • Evaluate current acquisition pathways, including integration of new technology through primes/integrators and/or DoD acquisition programs; and propose policy guidelines to better enable acquisition and sustainment. 			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
<ul style="list-style-type: none"> • Develop and execute pilot programs (e.g. demo days, etc.) to test identified acquisition pathways and incentivize industry to integrate bioproducts into the supply chain. <p>FY 2024 Plans:</p> <ul style="list-style-type: none"> • Test identified acquisition pathways to incentivize industry and prime defense contractors to integrate bioproducts into the DoD supply chain. • Continue to identify capability gaps and opportunities for bioproducts to meet military requirements. • Partner with BioMADE to implement the strategy of building new pilot/industrial scale manufacturing facilities with an innovation center incorporated to facilitate partnership with the Department. • Establish and maintain metrics to measure success of implemented strategies based on quantitative results. <p>FY 2023 to FY 2024 Increase/Decrease Statement: The decrease of \$0.056 million between FY 2023 and FY 2024 reflects minor changes for economic assumptions and a realignment for higher departmental priorities.</p>				
Accomplishments/Planned Programs Subtotals		-	3.275	3.219
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
D. Acquisition Strategy				
N/A				