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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Office of the Secretary Of Defense **Date:** April 2022

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0605022D8Z I <i>Defense Exportability Features (DEF) Program</i>
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COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	29.642	12.649	5.416	10.145	0.000	10.145	19.234	16.853	15.820	15.571	-	-
013: <i>Defense Exportability Features (DEF) Program</i>	29.642	12.649	5.416	10.145	0.000	10.145	19.234	16.853	15.820	15.571	-	-

Note

New Start (Y/N): No

A. Mission Description and Budget Item Justification

This program supports the Department's initiatives to Defend the Homeland, and Build Sustainable and Long-Term Advantage.

The DEF Program funds activities to support identification of major defense acquisition programs for possible export and the planning for design and incorporation of exportability features during the research and development phases of these programs. Features include, but are not limited to, technology and engineering design activities such as capability differentials, anti-tamper, system assurance, and software assurance. Activities include the development of program protection strategies for the program; the design and incorporation of exportability features into the system; implementation of exportability requirements into contracts; and other research, development, test, and evaluation activities.

Defense exportability features play a critically important role in DoD efforts to build partnership capacity. Funds support building joint and coalition environments by enabling the export of DoD systems to a wide range of partner nations, resulting in improved security and interoperability. In addition to the operational benefits, by providing these resources up front, the United States and partner nations will save significant resources by more efficiently designing and producing exportable U.S. systems.

Experience has shown that failure to identify the full range of Critical Program Information (CPI) early in a DoD program's design phase can drive major affordability and schedule problems later when programs have to "retrofit" program protection measures prior to export. Early development of export variants, including systems design approaches to integrate exportable anti-tamper protection and differential capability requirements to lower production costs, makes it possible to improve quality and timely deliveries to allies and friends and may enhance U.S. industry share of the global marketplace.

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Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0605022D8Z I <i>Defense Exportability Features (DEF) Program</i>
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B. Program Change Summary (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	12.920	5.447	0.000	0.000	0.000
Current President's Budget	12.649	5.416	10.145	0.000	10.145
Total Adjustments	-0.271	-0.031	10.145	0.000	10.145
• Congressional General Reductions	-	-0.031			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.271	-			
• Adjustments to Budget Year	-	-	10.145	0.000	10.145

Change Summary Explanation

FY 2023 funding increase reflects the fact that the FY 2022 President's Budget request did not include out-year funding.

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Office of the Secretary Of Defense										Date: April 2022		
Appropriation/Budget Activity 0400 / 5					R-1 Program Element (Number/Name) PE 0605022D8Z / Defense Exportability Features (DEF) Program				Project (Number/Name) 013 / Defense Exportability Features (DEF) Program			
COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
013: Defense Exportability Features (DEF) Program	29.642	12.649	5.416	10.145	0.000	10.145	19.234	16.853	15.820	15.571	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The DEF Program funds activities to support identification of major defense acquisition programs for possible export and the planning for design and incorporation of exportability features during the research and development phases of these programs. Features include, but are not limited to, technology and engineering design activities such as capability differentials, anti-tamper, system assurance, and software assurance. Activities include the development of program protection strategies for the program; the design and incorporation of exportability features into the system; implementation of exportability requirements into contracts; and other research, development, test, and evaluation activities.

Defense exportability features play a critically important role in the DoD efforts to build partnership capacity. Funds support building joint and coalition environments by enabling the export of the DoD systems to a wide range of partner nations, resulting in improved security and interoperability. In addition to the operational benefits, by providing these resources up front, the United States and partner nations will save significant resources by more efficiently designing and producing exportable U.S. systems.

Experience has shown that failure to identify the full range of Critical Program Information (CPI) early in a DoD program's design phase can drive major affordability and schedule problems later when programs have to "retrofit" program protection measures prior to export. Early development of export variants, including systems design approaches to integrate exportable anti-tamper protection and differential capability requirements to lower production costs, makes it possible to improve quality and timely deliveries to allies and friends and may enhance U.S. industry share of the global marketplace.

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

	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Title: DEF Program	12.649	5.416	10.145	0.000	10.145
Description: The DEF Program enables the DoD programs to develop and incorporate technology protection features in designated systems during the research and development phase of such systems to prepare them for export. By facilitating the export of U.S. defense systems, the DoD enhances the U.S. defense industrial base, strengthens the military capabilities of U.S. allies around the world, and increases coalition interoperability.					
FY 2022 Plans:					

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Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605022D8Z / Defense Exportability Features (DEF) Program	Project (Number/Name) 013 / Defense Exportability Features (DEF) Program
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
<p>Provide follow-on funding to the Army’s Indirect Fire Protection Capability Increment 2 (IFPC Inc 2) and Low slow small counter unmanned aircraft system Integrated Defeat System (LIDS) programs and the Navy’s Tactical Combat Training System Increment Two (TCTS II) program.</p> <p>FY 2023 Base Plans: Provide funding to help the DoD programs plan for exportability in line with recent changes to the DoD guidance, including the DoD Instruction (DoDI) 5000.85 Major Capability Acquisition that requires the DoD programs to design their systems for exportability as the default acquisition approach and the updated Joint Capabilities Integration and Development System (JCIDS) manual that integrates exportability into the DoD requirements planning process. In particular, support several modernization priority programs to plan for exportability to allies and partners.</p> <p>FY 2023 OCO Plans: N/A</p> <p>FY 2022 to FY 2023 Increase/Decrease Statement: The FY 2022 to FY 2023 increase of \$4.698 million is driven by Departmental priorities to expand exportability efforts and supports the March 2021 Interim National Security Strategic Guidance to ensure the U.S. is ready to work with allies and share responsibilities equitably to address common threats.</p>					
Accomplishments/Planned Programs Subtotals	12.649	5.416	10.145	0.000	10.145

C. Other Program Funding Summary (\$ in Millions)
N/A

Remarks

D. Acquisition Strategy
N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Office of the Secretary Of Defense **Date:** April 2022

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Product Development (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 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			
DEF	TBD	Various : Various	29.642	12.649		5.416		10.145		0.000		10.145	-	-	-
Subtotal			29.642	12.649		5.416		10.145		0.000		10.145	-	-	N/A
Project Cost Totals			29.642	12.649		5.416		10.145		0.000		10.145	-	-	N/A

Remarks
N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2023 Office of the Secretary Of Defense		Date: April 2022
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605022D8Z / Defense Exportability Features (DEF) Program	Project (Number/Name) 013 / Defense Exportability Features (DEF) Program

	FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Defense Exportability Features (DEF)																												
FY 2021 Project Execution																												
FY 2022 Project Selection																												
FY 2022 Project Execution																												
FY 2023 Project Selection																												
FY 2023 Project Execution																												
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FY 2026 Project Selection																												
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FY 2027 Project Execution																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2023 Office of the Secretary Of Defense		Date: April 2022
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605022D8Z / Defense Exportability Features (DEF) Program	Project (Number/Name) 013 / Defense Exportability Features (DEF) Program

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Defense Exportability Features (DEF)				
FY 2021 Project Execution	1	2021	4	2022
FY 2022 Project Selection	4	2021	4	2021
FY 2022 Project Execution	1	2022	4	2023
FY 2023 Project Selection	4	2022	4	2022
FY 2023 Project Execution	1	2023	4	2024
FY 2024 Project Selection	4	2023	4	2023
FY 2024 Project Execution	1	2024	4	2025
FY 2025 Project Selection	4	2024	4	2024
FY 2025 Project Execution	1	2025	4	2026
FY 2026 Project Selection	4	2025	4	2025
FY 2026 Project Execution	1	2026	4	2027
FY 2027 Project Selection	4	2026	4	2026
FY 2027 Project Execution	1	2027	4	2027