

UNCLASSIFIED

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

Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide I BA 5: System Development & Demonstration (SDD)	R-1 Program Element (Number/Name) PE 0605022D8Z I Defense Exportability Features (DEF) Program
--	--

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	42.291	55.312	30.145	18.981	-	18.981	16.640	15.619	15.382	15.704	-	-
013: Defense Exportability Features (DEF) Program	42.291	55.312	30.145	18.981	-	18.981	16.640	15.619	15.382	15.704	-	-

Note

New Start (Y/N): No

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 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.

UNCLASSIFIED

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 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0605022D8Z I <i>Defense Exportability Features (DEF) Program</i>
--	---

B. Program Change Summary (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	5.416	10.145	19.234	-	19.234
Current President's Budget	55.312	30.145	18.981	-	18.981
Total Adjustments	49.896	20.000	-0.253	-	-0.253
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	20.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	49.896	-	-0.253	-	-0.253

Change Summary Explanation

The FY 2024 decrease of \$0.253 million to fund Departmental priorities, while continuing to expand exportability efforts.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2024 Office of the Secretary Of Defense										Date: March 2023		
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 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
013: Defense Exportability Features (DEF) Program	42.291	55.312	30.145	18.981	-	18.981	16.640	15.619	15.382	15.704	-	-
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 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 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 2022	FY 2023	FY 2024
Title: DEF Program	55.312	30.145	18.981
Description: The DEF Program enables 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 2023 Plans: Provide follow-on funding to the Army's Future Vertical Lift and Indirect Fire Protection Capability programs, the Navy's Surface Anti-Submarine Warfare Synthetic Trainer and Tactical Combat Training System II programs, the Air Force's Anti-Jam Modem			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2024 Office of the Secretary Of Defense		Date: March 2023		
Appropriation/Budget Activity 0400 / 5	R-1 Program Element (Number/Name) PE 0605022D8Z / <i>Defense Exportability Features (DEF) Program</i>	Project (Number/Name) 013 / <i>Defense Exportability Features (DEF) Program</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
<p>and Tactical High Power Microwave Operational Responder programs, and the Space Force’s Astro-Standards and Integrated Solutions for Situation Awareness programs.</p> <p>FY 2024 Plans: Provide funding to help DoD programs plan for exportability in line with recent changes to DoD guidance, including the DoD Instruction (DoDI) 5000.85 Major Capability Acquisition that requires DoD programs to design their systems for exportability as the default acquisition approach and the updated Joint Capabilities Integration and Development System 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 to FY 2024 Increase/Decrease Statement: The FY 2023 to FY 2024 decrease of \$11.164 million is driven by a reorientation of Departmental priorities, while still continuing to expand exportability efforts.</p>				
Accomplishments/Planned Programs Subtotals		55.312	30.145	18.981
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
D. Acquisition Strategy				
N/A				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Office of the Secretary Of Defense **Date:** March 2023

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
--	--	--

Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	42.291	55.312		30.145		18.981		-		18.981	-	-	-
Subtotal			42.291	55.312		30.145		18.981		-		18.981	-	-	N/A

Remarks
N/A.

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	42.291	55.312	30.145	18.981	-	18.981	-	-	N/A

Remarks
N/A

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2024 Office of the Secretary Of Defense		Date: March 2023
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 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
	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																												
FY 2024 Project Selection																												
FY 2024 Project Execution																												
FY 2025 Project Selection																												
FY 2025 Project Execution																												
FY 2026 Project Selection																												
FY 2026 Project Execution																												
FY 2027 Project Selection																												
FY 2027 Project Execution																												

	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	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																												
FY 2024 Project Selection																												

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2024 Office of the Secretary Of Defense **Date:** March 2023

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 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	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
FY 2024 Project Execution																												
FY 2025 Project Selection																												
FY 2025 Project Execution																												
FY 2026 Project Selection																												
FY 2026 Project Execution																												
FY 2027 Project Selection																												
FY 2027 Project Execution																												

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2024 Office of the Secretary Of Defense		Date: March 2023
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