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

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)	R-1 Program Element (Number/Name) PE 0605052A / Indirect Fire Protection Capability Inc 2 - Block 1
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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	-	126.308	196.248	167.912	-	167.912	199.241	63.965	65.244	150.204	0.000	969.122
EY7: IFPC Increment 2 - Block 1	-	126.308	196.248	138.553	-	138.553	117.923	10.862	11.139	136.733	0.000	737.766
EY8: IFPC Increment 2 - Block 2	-	-	-	29.359	-	29.359	81.318	53.103	54.105	13.471	0.000	231.356

Note
 Starting in Fiscal Year (FY) 2025, IFPC 2nd Interceptor Development efforts have been realigned from Project EY7/IFPC Increment 2 - Block 1 to Project/EY8 IFPC Increment 2 - Block 2. within PE 0605052A / Indirect Fire Protection Capability Inc 2 - Block 1.

A. Mission Description and Budget Item Justification

This funding line is directly aligned to one of the Army Air and Missile Defense Modernization Priorities and one of the Air and Missile Defense Cross Functional Team (AMD CFT) programs.

The EY7 Indirect Fire Protection Capability Increment 2 (IFPC Inc 2) - Block 1 will provide a ground-based weapon system designed to acquire, track, engage, and defeat subsonic Cruise Missiles (CM), Unmanned Aircraft Systems (UAS), Rocket, Artillery, and Mortar (RAM) threats. The IFPC Inc 2 system consists of a launcher and interceptor integrated with the Army Integrated Air and Missile Defense (AIAMD) open systems architecture, IAMD Battle Command System (IBCS), and the Sentinel sensor to support the CM and UAS defeat mission.

The IFPC Inc 2 program is a component of an integrated fires development effort that includes survivability, resiliency, and effectiveness improvements against advanced threats from near-peer adversaries. This effort includes component integration, common development tools and processes, and annual test and evaluation to provide data to support program assessments and progress toward closure of performance gaps.

The total cost of the IFPC Inc 2 Middle Tier of Acquisition (MTA) effort is \$531.3 million from FY21 to FY25.

The Army is pursuing the IFPC High Energy Laser (IFPC HEL) and IFPC High Powered Microwave (IFPC HPM) as complimentary non-kinetic effectors of the IFPC counter-RAM, counter-CM, and counter-UAS missions.

The EY8 IFPC Increment 2 - Block 2 (IFPC 2nd Interceptor) will expand additional capabilities against supersonic cruise missiles with a secondary target set of UAS, large caliber rockets, and other aerial threats. The 2nd Interceptor program also supports the Air and Missile Defense modernization priorities.

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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0605052A / <i>Indirect Fire Protection Capability Inc 2 - Block 1</i>
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B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	131.093	196.248	154.275	-	154.275
Current President's Budget	126.308	196.248	167.912	-	167.912
Total Adjustments	-4.785	0.000	13.637	-	13.637
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-4.785	-			
• Adjustments to Budget Years	-	-	13.637	-	13.637

Change Summary Explanation

In FY 2025, \$41.000 million was realigned from procurement (C62002) to RDTE (655052/EY7) for development and integration of the datalink solution and \$27.700 million was reduced from the IFPC 2nd Interceptor RDTE (655052EY8). Furthermore, increase of \$0.337 million due to revised economic assumptions.

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army										Date: March 2024		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605052A / Indirect Fire Protection Capability Inc 2 - Block 1				Project (Number/Name) EY7 / IFPC Increment 2 - Block 1			
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
EY7: IFPC Increment 2 - Block 1	-	126.308	196.248	138.553	-	138.553	117.923	10.862	11.139	136.733	0.000	737.766
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This funding line is directly aligned to the Army Air and Missile Defense Modernization Priority.

The Indirect Fire Protection Capability Increment 2 (IFPC Inc 2) - Block 1 will provide a ground-based weapon system designed to acquire, track, engage, and defeat Cruise Missiles (CM), Unmanned Aircraft Systems (UAS), and Rocket, Artillery, and Mortar (RAM) threats. The IFPC Inc 2 system consists of a launcher and interceptor integrated with the Army Integrated Air and Missile Defense (AIAMD) open systems architecture, IAMD Battle Command System (IBCS), and the Sentinel sensor to support the Threshold CM and UAS defeat mission.

Additionally, the Army plans to pursue the IFPC High Energy Laser (IFPC HEL) and IFPC High Powered Microwave (IFPC HPM) as non-kinetic effectors of the IFPC counter-RAM, counter-CM, and counter-UAS (Class 1 - 3) missions. The IFPC HEL and IFPC HPM elements will be robust, cost effective, and sustainable complementary capabilities to the overall IFPC mission to protect key fixed and semi-fixed sites.

FY 2025 Base dollars in the amount of \$138.553 million is designated for integration within the Army IAMD architecture, delta system qualification testing, delta development testing, development and integration of the prime contractor and subcontractor's datalink solution, and continual support of the IFPC HEL and IFPC HPM transition team. IFPC Inc 2 is scheduled for a Milestone (MS) C decision in FY 2025.

The total cost of the IFPC Inc 2 Middle Tier of Acquisition (MTA) effort is \$531.3 million from FY21 to FY25.

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

	FY 2023	FY 2024	FY 2025
Title: IFPC Inc 2 Prototype Development, Integration, Manufacturing, and Testing	125.063	192.311	136.184
Description: Funding is provided to support the development, integration, prototype manufacturing, and testing of the IFPC Inc 2 capability			
FY 2024 Plans:			
- Final incremental funding for IFPC Inc 2 Other Transaction Authority (OTA) Firm Fixed Price contract			
- Continue utilizing a Middle Tier Acquisition (MTA) Rapid prototyping approach while preparing for Milestone C decision point			
- Continue qualification and operational testing, to include an Operational Assessment, to ensure operational supportability while minimizing the logistical footprint			

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024		
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605052A / <i>Indirect Fire Protection Capability Inc 2 - Block 1</i>	Project (Number/Name) EY7 / <i>IFPC Increment 2 - Block 1</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
<p>- Procure 12 IFPC launch systems consisting of 12 launchers, 48 interceptors, and 8 magazines for Initial Operational Test & Evaluation (IOT&E)</p> <p>FY 2025 Plans:</p> <ul style="list-style-type: none"> - Continue and complete an Operational Assessment to ensure operational supportability - Continue utilizing a Middle Tier Acquisition (MTA) Rapid prototyping approach while preparing for Milestone C decision point - Continue delta qualification testing and delta developmental testing - Conduct extreme natural environment testing (XNET) - Begin new equipment training (NET) for IOT&E - Develop and integrate the prime contractor and subcontractor's datalink solution - Support the Integrated Fires Test Campaign - Continue acquisition and delivery of IFPC IOT&E test assets <p>FY 2024 to FY 2025 Increase/Decrease Statement: Funding decreases from FY 2024 to FY 2025 reflect the program exiting the MTA and entering MS C in FY 2025.</p>				
<p>Title: IFPC Directed Energy Integration and Test</p> <p>FY 2024 Plans: Continue to support an IFPC Direct Energy team to coordinate the transfer of responsibility, as well as determine IFPC Inc 2 Product Office requirements for these products</p> <p>FY 2025 Plans: - Continue to provide an IFPC Directed Energy team to facilitate the Army Rapid Capabilities and Critical Technologies Office (RCCTO) with the transition of the Directed Energy capabilities to programs of record, as well as determine IFPC Inc 2 Product Office requirements for IFPC HEL and IFPC HPM</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Increase in the IFPC Directed Energy Integration and Test (Transition Team) costs with the transition of the Directed Energy capabilities to programs of record.</p>		1.245	2.300	2.369
<p>Title: IFPC Second Interceptor Development and Test</p> <p>FY 2024 Plans: Funding is to support initiation of the IFPC Second Interceptor program. Development of contract requirement package, planning for contract award, conduct of analyses, and development of acquisition documentation to support initiation of the Second Interceptor program.</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement:</p>		-	1.637	-

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Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605052A / Indirect Fire Protection Capability Inc 2 - Block 1	Project (Number/Name) EY7 / IFPC Increment 2 - Block 1
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
Decrease due to Second Interceptor receiving a separate funding line, Project EY7/IFPC Increment 2 - Block 1 to Project/EY8 IFPC Increment 2 - Block 2. within PE 0605052A / Indirect Fire Protection Capability Inc 2 - Block 1.			
Accomplishments/Planned Programs Subtotals	126.308	196.248	138.553

C. Other Program Funding Summary (\$ in Millions)											
Line Item	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
• C62002: IFPC INC 2- I BLOCK 1 SYSTEM	22.709	313.189	411.430	-	411.430	663.872	786.454	802.826	997.832	0.000	3,998.312
• E10: Sentinel	77.158	94.944	44.927	-	44.927	19.024	22.051	19.641	28.244	0.000	305.989
• WK5057: Sentinel Mods	214.736	161.886	180.253	-	180.253	493.037	505.210	461.565	467.189	Continuing	Continuing
• S40: Army Integrated Air and Missile Defense	245.791	254.163	525.963	-	525.963	412.252	394.003	310.057	316.151	0.000	2,458.380
• BZ5075: IAMD Battle Command System	459.343	412.556	403.028	-	403.028	584.262	651.373	449.114	509.060	Continuing	Continuing
• BU9: IFPC High Energy Laser	208.943	85.852	31.643	-	31.643	-	-	-	-	0.000	326.438
• CO6: IFPC High Power Microwave (HPM)	41.408	11.166	4.031	-	4.031	-	-	-	-	0.000	56.605

Remarks
This program is an integral part of the Army Integrated Air and Missile Defense (AIAMD) architecture.

D. Acquisition Strategy
In support of the Army's enduring Cruise Missile Defense requirement, the Army is utilizing a Middle Tier Acquisition (MTA) Rapid Prototyping approach to evaluate new capability and provide an initial capability, while transitioning to Milestone (MS) C and awarding a Low Rate Initial Production (LRIP) in FY 2025. In support of the IFPC Inc 2 solution, the Army pursued a competitive strategy that saw industry participating in a "Shoot Off" demonstration in FY 2021 using industry's proposed launcher and missile solutions integrated with the Army's IBCS and Sentinel radar. The Army has evaluated industry's proposals informed by models and simulations, hardware-in-the-loop, and live fire data, to make a best value recommendation to proceed to a single vendor to deliver the IFPC Inc 2 prototype solution. The Army awarded a Firm Fixed Price Other Transaction Authority (OTA) agreement to Dynetics, Inc. on 24 September 2021 to deliver the IFPC Inc 2 prototype solution. The MTA contract will run through FY 2025.

The IFPC Inc 2 program is a component of an integrated fires development effort that includes survivability, resiliency, and effectiveness improvements against advanced threats from near-peer adversaries. This effort includes component integration, common development tools and processes, and annual test and evaluation to provide data to support program assessments and progress toward closure of performance gaps.

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605052A / <i>Indirect Fire Protection Capability Inc 2 - Block 1</i>	Project (Number/Name) EY7 / <i>IFPC Increment 2 - Block 1</i>

In support of the IFPC Inc 2 system test and evaluation, the program office will acquire AIM-9X interceptors from the Navy contract and Launchers with all up round magazines (AUR-M) from Dynetics. The program will fully fund the assets to meet the delivery schedule required to perform IOT&E in FY 2026.

The requirement document for IFPC Inc 2 is the IFPC Inc 2 CDD, Nov 2016.

Additionally, the Army plans to pursue the IFPC High Energy Laser (IFPC HEL) and IFPC High Powered Microwave (IFPC HPM) as non-kinetic effectors of the IFPC counter-RAM, counter-CM, and counter-UAS missions. The Army RCCTO currently manages the IFPC HEL and IFPC HPM programs; the Army will make formal decisions on transitioning the capabilities to programs of record after the prototypes have been sufficiently tested. The IFPC Inc 2 Product Office established an initial IFPC Directed Energy team to coordinate the transfer of responsibility, as well as determine IFPC Inc 2 Product Office requirements for these products starting in FY 2023. The products will require additional development, integration with the AIAMD architecture, and testing.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army												Date: March 2024			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
2040 / 5				PE 0605052A / Indirect Fire Protection Capability Inc 2 - Block 1				EY7 / IFPC Increment 2 - Block 1							
Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Travel/Program Management	Various	Various : Various	1.995	0.048	Oct 2022	0.682	Oct 2023	0.649	Oct 2024	-		0.649	Continuing	Continuing	Continuing
Subtotal			1.995	0.048		0.682		0.649		-		0.649	Continuing	Continuing	N/A
Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
IFPC - System Eng & Integration	Various	Multiple Activities : Huntsville, AL	78.189	8.108	Oct 2022	11.140	Oct 2023	9.517	Oct 2024	-		9.517	Continuing	Continuing	Continuing
IFPC System Dev and Integration External Support	Various	Multiple Activities : Huntsville, AL	86.121	75.833	Oct 2022	37.215	Oct 2023	26.035	Oct 2024	-		26.035	Continuing	Continuing	Continuing
IFPC Contractor Prototype OTA, Modifications/ Change Orders	C/FFP	Launcher and AUR-M Development : Dynetics - Huntsville, AL	161.345	37.381	Mar 2023	1.500	Jan 2024	19.364	Jan 2025	-		19.364	Continuing	Continuing	Continuing
IFPC Directed Energy Integration Support	Various	Multiple Activities : Huntsville, AL	-	1.245	Apr 2023	2.300	Jan 2024	2.369	Jan 2025	-		2.369	Continuing	Continuing	Continuing
IFPC 2nd Interceptor Support	C/TBD	Multiple Activities : Huntsville, AL	-	-		1.637	Jan 2024	-		-		-	0.000	1.637	-
IFPC IOT&E Contractor Hardware	SS/FP	Dynetics : Huntsville, AL	-	-		79.715	Mar 2024	11.051	Mar 2025	-		11.051	0.000	90.766	-
IFPC IOT&E Interceptors / GFE	Various	US Navy : Huntsville, AL	-	-		34.427	Mar 2024	1.167	Mar 2025	-		1.167	0.000	35.594	-
IFPC Datalink	Various	Multiple Activities : Multiple Locations	-	-		-		41.000	Jan 2025	-		41.000	0.000	41.000	-
Subtotal			325.655	122.567		167.934		110.503		-		110.503	Continuing	Continuing	N/A
Remarks															
- IFPC Contractor Prototype OTA, Modifications/Change Orders FY 2025 funding of \$19.364 million is for engineering change orders following the Operational Assessment and Developmental Testing required to facilitate successful Milestone C decision in FY 2025.															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army **Date:** March 2024

Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605052A / Indirect Fire Protection Cap ability Inc 2 - Block 1	Project (Number/Name) EY7 / IFPC Increment 2 - Block 1
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Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			

- The IFPC Datalink of \$41 million in FY 2025 includes development, integration and test of the interim datalink solution, and it includes initiation of the enduring datalink solution. The driving factors for the \$41 million requirement include materials for data link hardware; software updates; firmware updates; and contractor assembly, integration, and test. This includes development and integration of the prime contractor and subcontractor's datalink solution using the Government Systems Integration Lab (GSIL) and the Integrated Fires Testing.
 - IFPC System Dev and Integration External Support is to support AIAMD integration.

Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			
IFPC Log Support	Various	Multiple Activities : Huntsville, AL	22.623	0.160	Nov 2022	4.118	Nov 2023	6.576	Nov 2024	-		6.576	Continuing	Continuing	-
Subtotal			22.623	0.160		4.118		6.576		-		6.576	Continuing	Continuing	N/A

Remarks
 - Increase in IFPC Log Support due to new equipment training (NET) for IOT&E.

Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			
IFPC PM Testing Support	IA	Multiple Activities : Huntsville, AL	4.956	1.535	Nov 2022	2.445	Nov 2023	2.089	Nov 2024	-		2.089	Continuing	Continuing	Continuing
IFPC Developmental / Operational Testing	IA	Developmental and Operational Tests : Multiple Locations	7.953	1.998	Nov 2022	21.069	Nov 2023	18.736	Nov 2024	-		18.736	Continuing	Continuing	Continuing
Subtotal			12.909	3.533		23.514		20.825		-		20.825	Continuing	Continuing	N/A

Remarks
 - IFPC Developmental /Operational Testing FY 2025 funding to support conduct of XNET, delta qualification testing, delta developmental testing, and participation in the Integrated Fires Test Campaign.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army								Date: March 2024			
Appropriation/Budget Activity 2040 / 5				R-1 Program Element (Number/Name) PE 0605052A / Indirect Fire Protection Cap ability Inc 2 - Block 1				Project (Number/Name) EY7 / IFPC Increment 2 - Block 1			
	Prior Years	FY 2023		FY 2024		FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	363.182	126.308		196.248		138.553	-	138.553	Continuing	Continuing	N/A

Remarks
- IFPC Contractor Prototype OTA, Modifications/Change Orders funding was awarded to Dynetics, Inc with Raytheon as a subcontractor.

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605052A / Indirect Fire Protection Cap ability Inc 2 - Block 1	Project (Number/Name) EY7 / IFPC Increment 2 - Block 1

Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
Interim CMD Battery 1 NET Training	[Bar]																											
Interim CMD Battery 2 NET Training	[Bar]																											
Interim CMD Interoperability Assessment	[Bar]																											
IFPC OTA (Single Vendor) for Prototype development compl...	[Bar]								[Bar]																			
IFPC System Testing (Component/System Qual & DT/Live Fir...	[Bar]								[Bar]																			
IFPC AIAMD Integration and Engineering Changes	[Bar]								[Bar]																			
IFPC New Equipment Training / Operational Assessment	[Bar]												[Bar]															
IFPC Buy Launcher, AUR-M, Missile Assets for IOT&E	[Bar]																											
IFPC Integrated Fires Test Campaign (IFTC) FY 2024	[Bar]												[Bar]															
IFPC Datalink Development and Test	[Bar]												[Bar]															
IFPC XNET	[Bar]																[Bar]											
IFPC Integrated Fires Test Campaign (IFTC) FY 2025	[Bar]																				[Bar]							
IFPC Delta Development Test and Delta Qualification Test	[Bar]																								[Bar]			

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605052A / Indirect Fire Protection Capability Inc 2 - Block 1	Project (Number/Name) EY7 / IFPC Increment 2 - Block 1

Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
IFPC Log Demo / New Equipment Training / Initial Operati...													IFPC Log Demo / NET / IOT&E															
IFPC Integrated Fires Test Campaign (IFTC) FY 2026													IFPC IFTC FY 2026															
Pacific Deterrence Initiative (PDI) Contract Award													3 PDI Contract Award															
IFPC Milestone C Decision													4 IFPC Milestone C Decision															
IFPC Low Rate Initial Production (LRIP)													IFPC LRIP															
IFPC Directed Energy (DE) team established													1 IFPC Directed Energy (DE) team established															
IFPC Directed Energy (DE) Transition Team																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605052A / <i>Indirect Fire Protection Capability Inc 2 - Block 1</i>	Project (Number/Name) EY7 / <i>IFPC Increment 2 - Block 1</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Interim CMD Interoperability development and testing	4	2020	3	2022
Interim CMD Battery 1 NET Training	4	2022	1	2023
Interim CMD Battery 2 NET Training	2	2023	3	2023
Interim CMD Interoperability Assessment	4	2022	1	2023
IFPC OTA (Single Vendor) for Prototype development completion and manufacturing	4	2021	3	2025
IFPC System Testing (Component/System Qual & DT/Live Fire Testing)	1	2023	2	2024
IFPC AIAMD Integration and Engineering Changes	3	2021	4	2026
IFPC New Equipment Training / Operational Assessment	3	2024	1	2025
IFPC Buy Launcher, AUR-M, Missile Assets for IOT&E	3	2024	3	2024
IFPC Integrated Fires Test Campaign (IFTC) FY 2024	4	2024	1	2025
IFPC Datalink Development and Test	3	2024	1	2026
IFPC XNET	3	2025	3	2025
IFPC Integrated Fires Test Campaign (IFTC) FY 2025	3	2025	4	2025
IFPC Delta Development Test and Delta Qualification Test	3	2025	1	2026
IFPC Log Demo / New Equipment Training / Initial Operational Test & Evaluation (IOT&E)	4	2025	3	2026
IFPC Integrated Fires Test Campaign (IFTC) FY 2026	3	2026	4	2026
Pacific Deterrence Initiative (PDI) Contract Award	3	2024	3	2024
IFPC Milestone C Decision	2	2025	2	2025
IFPC Low Rate Initial Production (LRIP)	2	2025	3	2027
IFPC Directed Energy (DE) team established	3	2023	3	2023
IFPC Directed Energy (DE) Transition Team	3	2023	4	2029

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605052A / <i>Indirect Fire Protection Capability Inc 2 - Block 1</i>	Project (Number/Name) EY7 / <i>IFPC Increment 2 - Block 1</i>

Note
CMD: Cruise Missiles Defense
FUE: First Unit Equipped
FY: Fiscal Year
IFPC: Indirect Fire Protection Capability
HEL: High Energy Laser
HPM: High Powered Microwave

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army **Date:** March 2024

Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605052A / Indirect Fire Protection Capability Inc 2 - Block 1	Project (Number/Name) EY8 / IFPC Increment 2 - Block 2
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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
EY8: IFPC Increment 2 - Block 2	-	-	-	29.359	-	29.359	81.318	53.103	54.105	13.471	0.000	231.356
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

Note

Starting in Fiscal Year (FY) 2025, IFPC 2nd Interceptor Development efforts have been realigned from Project EY7/IFPC Increment 2 - Block 1 to Project/EY8 IFPC Increment 2 - Block 2. within PE 0605052A / Indirect Fire Protection Capability Inc 2 - Block 1.

A. Mission Description and Budget Item Justification

The IFPC Increment 2 - Block 2 (IFPC 2nd Interceptor program) supports the Air and Missile Defense modernization priorities. The 2nd Interceptor will maintain baseline capabilities and increase lethality and increase range. The primary threat set for the 2nd Interceptor is subsonic and supersonic cruise missiles with the secondary target set as Group 2 & 3 UAS at extended ranges, large caliber rockets, and fixed and rotary wing aircraft. The 2nd Interceptor consists of an AUR-M with interceptors integrated with the Army Integrated Air and Missile Defense (AIAMD) open systems architecture, IAMD Battle Command System (IBCS), and the Sentinel sensor.

In FY 2025, funding in the amount of \$29.359 million will be used to award a contract and support the development, integration, testing, and prototype manufacturing of the IFPC 2nd Interceptor capability.

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

	FY 2023	FY 2024	FY 2025
Title: IFPC 2nd Interceptor Development and Test	-	-	29.359
Description: Funding is to support the development, integration, prototype manufacturing, and test of the IFPC 2nd Interceptor capability.			
FY 2025 Plans:			
- Will receive Aquisition Decision Memorandum (ADM) in 1st Quarter FY 2025 for authority to proceed to an Acquisition Pathway.			
- Evaluate proposal(s) for contract award.			
- The Contracting Officer (KO) will finish negotiations and award the contract.			
- Support contract kick-off meeting.			
- Initiate Development and Integration			
FY 2024 to FY 2025 Increase/Decrease Statement:			
Increase reflects IFPC 2nd Interceptor Development efforts have been realigned from Project EY7/IFPC Increment 2 - Block 1.			
Accomplishments/Planned Programs Subtotals	-	-	29.359

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605052A / <i>Indirect Fire Protection Capability Inc 2 - Block 1</i>	Project (Number/Name) EY8 / <i>IFPC Increment 2 - Block 2</i>

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

N/A

Remarks

D. Acquisition Strategy

The IFPC 2nd Interceptor Acquisition Strategy Panel (ASP) #2 planned for Mar 2024 will determine the acquisition pathway; will receive the ADM for authority to proceed during the 1st quarter FY 2025. The IFPC 2nd Interceptor plans on awarding a contract in FY 2025 to design, develop, integrate, and test prototypes before transitioning to production. The 2nd Interceptor addresses several extremely high-risk capability gaps.

The requirement document for IFPC 2nd Interceptor is the IFPC Inc 2 CDD, Nov 2016.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army												Date: March 2024			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
2040 / 5				PE 0605052A / Indirect Fire Protection Capability Inc 2 - Block 1				EY8 / IFPC Increment 2 - Block 2							
Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	TBD	SETA : Various	-	-		-		0.952	Oct 2024	-		0.952	0.000	0.952	-
Subtotal			-	-		-		0.952		-		0.952	0.000	0.952	N/A
Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PM System Engineering	TBD	SETA : Various	-	-		-		2.379	Oct 2024	-		2.379	0.000	2.379	-
System Development/ Integration External Support	TBD	Various : Various	-	-		-		7.748	Nov 2024	-		7.748	0.000	7.748	-
IFPC 2nd Interceptor Development Contract	TBD	Various : Various	-	-		-		17.731	May 2025	-		17.731	0.000	17.731	-
Subtotal			-	-		-		27.858		-		27.858	0.000	27.858	N/A
Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PM Log Support	TBD	SETA : Various	-	-		-		0.183	Dec 2024	-		0.183	0.000	0.183	-
Subtotal			-	-		-		0.183		-		0.183	0.000	0.183	N/A
Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PM Test Support	TBD	SETA : Various	-	-		-		0.366	Dec 2024	-		0.366	0.000	0.366	-
Subtotal			-	-		-		0.366		-		0.366	0.000	0.366	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army								Date: March 2024			
Appropriation/Budget Activity 2040 / 5				R-1 Program Element (Number/Name) PE 0605052A / Indirect Fire Protection Capability Inc 2 - Block 1				Project (Number/Name) EY8 / IFPC Increment 2 - Block 2			
	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals	-	-	-	29.359	-	29.359	0.000	29.359	N/A		

Remarks
 The 2nd Interceptor's FY 2024 initial program and development support is funded under IFPC Inc 2 (655052EY7). For FY 2024 details, see the EY7 line.

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605052A / Indirect Fire Protection Capability Inc 2 - Block 1	Project (Number/Name) EY8 / IFPC Increment 2 - Block 2

Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
2nd Interceptor Request for Proposal (RFP)					■																							
Request for Proposal (RFP)																												
2nd Interceptor Proposal Evaluation					■																							
Proposal Evaluation																												
2nd Interceptor Contract Award					▲																							
Contract Award																												
2nd Interceptor Design, Development, and Integration																												
Design, Development, and Integration																												
2nd Interceptor AIAMD Integration																												
2nd Interceptor AIAMD Integration																												
2nd Interceptor Test and Evaluation																												
Test and Evaluation																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605052A / <i>Indirect Fire Protection Capability Inc 2 - Block 1</i>	Project (Number/Name) EY8 / <i>IFPC Increment 2 - Block 2</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
2nd Interceptor Request for Proposal (RFP)	3	2024	3	2024
2nd Interceptor Proposal Evaluation	1	2025	1	2025
2nd Interceptor Contract Award	3	2025	3	2025
2nd Interceptor Design, Development, and Integration	2	2025	4	2029
2nd Interceptor AIAMD Integration	2	2025	4	2029
2nd Interceptor Test and Evaluation	1	2028	4	2029