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Exhibit R-2, RDT&E Budget Item Justification: PB 2021 Army **Date:** February 2020

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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
Total Program Element	-	92.674	194.366	235.770	-	235.770	341.077	181.830	98.210	13.639	0.000	1,157.566
EY7: IFPC Increment 2 - Block 1	-	92.674	194.366	235.770	-	235.770	341.077	181.830	98.210	13.639	0.000	1,157.566

A. Mission Description and Budget Item Justification

The Indirect Fire Protection Capability Increment 2 (IFPC Inc 2) 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. The Objective counter-RAM mission employs both alternative kinetic and non-kinetic defeat solutions.

In Fiscal Year (FY) 2018, the Army evaluated alternative strategies to address an Army interim CM defense (CMD) capability at critical strategic fixed site locations while continuing the development of an IFPC capability. On 5 December 2019, the Army signed a contract with the Israeli Missile Defense Organization (IMDO) for two Interim CMD (Iron Dome) Batteries. For each of the interim capability's Iron Dome Batteries, the Army intends to employ a configuration that matches the Israeli Firing Unit.

The IFPC Inc 2 program will conduct Iron Dome experimentation to determine the ability of the two standalone interim CMD Iron Dome Batteries to interoperate with the US Army's Air and Missile Defense (AMD) Architecture including the Army's IBCS command and control (C2) network.

Concurrently with the Interim CMD assessment, the Army will develop a launcher and interceptor solution that is integrated with the IBCS and the Sentinel sensor. The Army's decision for the IFPC Inc 2 capability will decide between an U.S. industry-based CMD launcher/interceptor and a componentized Iron Dome launcher/TAMIR-class interceptor. The Army will utilize a tailored acquisition approach to evaluate new capability and provide residual operational capability in FY 2023 and then transition into procurement and field by FY 2025.

FY 2021 Base dollars in the amount of \$235.770 million are designated for experimentation with the interim CM capability and the development and integration of the IFPC Inc 2 system.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2021 Army	Date: February 2020
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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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Previous President's Budget	132.283	243.228	101.000	-	101.000
Current President's Budget	92.674	194.366	235.770	-	235.770
Total Adjustments	-39.609	-48.862	134.770	-	134.770
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-48.862			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-39.609	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	134.770	-	134.770

Change Summary Explanation

In FY 2021, \$135.000 million has been realigned from IFPC Procurement funding line (C62002000) to align with enduring IFPC Inc 2 development and integration requirements.

In FY 2021, \$1.024 million in Reimbursable Manpower for this line has been realigned from Reimbursable Civilian Funding to Direct Operations and Maintenance. Program support costs have been accurately updated to reflect the realignments.

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Exhibit R-2A, RDT&E Project Justification: PB 2021 Army										Date: February 2020		
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
EY7: IFPC Increment 2 - Block 1	-	92.674	194.366	235.770	-	235.770	341.077	181.830	98.210	13.639	0.000	1,157.566
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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In Fiscal Year (FY) 2018, the Army evaluated alternative strategies to address an Army interim CM defense (CMD) capability at critical strategic fixed site locations while continuing the development of an IFPC capability. On 5 December 2019, the Army signed a contract with the Israeli Missile Defense Organization (IMDO) for two Interim CMD (Iron Dome) Batteries. For each of the interim capability's Iron Dome Batteries, the Army intends to employ a configuration that matches the Israeli Firing Unit.

The IFPC Inc 2 program will conduct Iron Dome experimentation to determine the ability of the two standalone interim CMD Iron Dome Batteries to interoperate with the US Army's Air and Missile Defense (AMD) Architecture including the Army's IBCS command and control (C2) network.

Concurrently with the Interim CMD assessment, the Army will develop a launcher and interceptor solution that is integrated with the IBCS and the Sentinel sensor. The Army's decision for the IFPC Inc 2 capability will decide between an U.S. industry-based CMD launcher/interceptor and a componentized Iron Dome launcher/TAMIR-class interceptor. The Army will utilize a tailored acquisition approach to evaluate new capability and provide residual operational capability in FY 2023 and then transition into procurement and field by FY 2025.

FY 2021 Base dollars in the amount of \$235.770 million are designated for the development and integration of the IFPC Inc 2 system.

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

	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Title: Interim CMD (Iron Dome) Integration and Testing	55.827	70.231	13.675	-	13.675
Description: Funding is provided to support the assessment of operational utility and safety of the Iron Dome system as an Interim IFPC Inc 2 capability					
FY 2020 Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2021 Army		Date: February 2020
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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
<ul style="list-style-type: none"> - Continued Research Development Technology & Evaluation (RDT&E) efforts associated with Interim IFPC Inc 2 CMD system integration and testing - Conduct interoperability experimentation and follow-on system engineering and software development efforts to enable Interim CMD (Iron Dome) system to interoperate with United States (US) systems utilizing a US external command and control system - Continued review and analysis of prior Israeli Iron Dome Test events for applicability to US test requirements (Environmental tests, Electromagnetic Environmental Effects tests, Insensitive Munitions tests and assessments, Health Hazard tests, Functional Hazard Analysis, Explosive Hazard Classification tests, Hazardous Materials Assessment) for each major End Item and support vehicles of the system - Continued Cyber Security Analysis activities to obtain Authority to Operate - Conducted Safety Testing of Interim IFPC Inc 2 system - Conducted Performance Analysis and Testing of Interim IFPC Inc 2 system - Conducted Capabilities and Limitations Testing of Interim IFPC Inc 2 system - Continued US hardware, software, and interface development and integration - Continued System Performance Assessment and Modeling and Simulation efforts - Continued US hardware, software, and interface development and integration - Continued system engineering, integration, logistics engineering, system test and evaluation management, technical configuration control, and business management activities - Continued Risk Management activities - Continued logistics assessments to determine training requirements, fielding requirements, spares packages, and required documentation - Conducted Reliability Data Analysis (Operational Availability, Failure Reports, missile BIT results) for the system and each major End Item and support vehicle of the system - Conducted Verification and Validation of Training Support Package Materials for all system major End Items equipment and support vehicles of the system - Conducted CLS for test articles <p><i>FY 2021 Base Plans:</i></p> <ul style="list-style-type: none"> - Continue Performance Analysis of Interim IFPC Inc 2 systems - Continue Logistics Assessments - Continue system engineering, integration, logistics engineering, system evaluation management, technical configuration control, and business management activities 					

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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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
<p>- Continue assessment of Interim IFPC Inc 2 systems launcher and interceptor interoperability with US command and control system</p> <p>- Continue interoperability system engineering and software development efforts to enable Interim CMD (Iron Dome) system to interoperate with United States (US) systems utilizing a US external command and control system</p> <p><i>FY 2020 to FY 2021 Increase/Decrease Statement:</i> Interim IFPC enters Operational Assessment in FY 2021. Funding requirements decrease to completion of required interim capability qualification and testing.</p>					
<p><i>Title:</i> IFPC Inc 2 Integration and Testing</p> <p><i>Description:</i> Funding is provided to support the development, integration, and testing of the IFPC Inc 2 capability</p> <p>FY 2021 - The IFPC program is pending a materiel solution decision that impacts the RDTE resources and their required allocations. Therefore, IFPC funding is not detailed in the accompanying R-3.</p> <p><i>FY 2020 Plans:</i></p> <ul style="list-style-type: none"> - Continued RDT&E efforts associated with Enduring IFPC Inc 2 development - Conducted modified prototype launcher and interceptor All-up Round Magazine experimentation with IBCS and Sentinel Radar - Initiated detailed design activities following the US Army final Decision Briefing for the IFPC Inc 2 system - Conducted launcher componentization activities (Communications and Data Uplink) - Conducted interceptor componentization (Weapons Interface Controller and Engagement Calculator software development) - Performed system engineering, integration, logistics engineering, system test and evaluation management, technical configuration control, and business management activities - Conducted Cybersecurity Analysis events (Cooperative Vulnerability Identification, Adversarial Cybersecurity Development Test & Evaluation, Interim Authority to Operate) - Continued engineering and technical support of Enduring IFPC Inc 2 hardware, software and interface development and integration - Performed technical assessments, concept studies, cost reduction, risk management, final design, and required documentation - Awarded interceptor development, integration and test Other Transaction Authority (OTA) 	36.847	115.308	222.095	-	222.095

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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 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
<ul style="list-style-type: none"> - Completed interceptor hardware and software design - Built Enduring IFPC interceptor prototypes - Begun Enduring IFPC interceptor component qualification - Begun Enduring IFPC interceptor qualification - Begun Enduring IFPC interceptor model accredited - Begun Enduring IFPC interceptor integration with launcher - Begun Enduring IFPC interceptor Integration with mission command <p>FY 2021 Base Plans:</p> <ul style="list-style-type: none"> - Continue enduring launcher, interceptor, and system hardware and software design - Continue enduring launcher and interceptor development activities, to include Communications and Data Uplink with mission command and sensor, and launcher Weapons Interface Controller and Engagement Calculator software development - Continue engineering and technical support of the enduring IFPC Inc 2 hardware, software and interface development - Continue building enduring IFPC Inc 2 launchers and interceptors - Continue enduring IFPC Inc 2 launcher and interceptor model accreditation - Continue enduring IFPC Inc 2 interceptor integration with launcher - Continue enduring IFPC Inc 2 launcher and interceptor Integration with mission command and sensor <p>FY 2020 to FY 2021 Increase/Decrease Statement: Marginal increase as development and integration continues towards enduring IFPC Inc 2.</p>					
<p>Title: FY 2020 SBIR/STTR Transfer</p> <p>Description: Funding transferred in accordance with Title 15 USC ?638</p> <p>FY 2020 Plans: Funding transferred in accordance with Title 15 USC ?638</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: Funding transferred in accordance with Title 15 USC ?638</p>	-	8.827	-	-	-
Accomplishments/Planned Programs Subtotals	92.674	194.366	235.770	-	235.770

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Exhibit R-2A, RDT&E Project Justification: PB 2021 Army **Date:** February 2020

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

Line Item	FY 2019	FY 2020	FY 2021	FY 2021	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Cost To	
			Base	OCO	Total					Complete	Total Cost
• DU3: IFPC2	10.324	-	0.000	-	0.000	-	-	-	-	0.000	10.324
• C62002: IFPC INC 2- I BLOCK 1 SYSTEM	31.286	9.337	106.261	-	106.261	237.803	392.134	368.447	274.566	0.000	1,419.834
• C62001: IFPC Inc 2-I Block 1 Missile 1	166.536	-	0.000	-	0.000	-	-	-	-	0.000	166.536
• E10: Sentinel	37.847	95.720	109.259	-	109.259	116.381	65.512	69.343	30.849	0.000	524.911
• WK5057: Sentinel Mods	77.752	133.910	58.884	33.496	92.380	68.767	78.707	164.633	166.731	Continuing	Continuing
• S40: Army Integrated Air and Missile Defense	318.850	208.638	193.929	-	193.929	63.678	33.162	94.758	74.936	0.000	987.951
• BZ5075: IAMD Battle Command System	-	29.629	201.587	-	201.587	353.561	416.995	413.356	417.415	Continuing	Continuing

Remarks

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

D. Acquisition Strategy

As reported in Oct 2018, the Army will rapidly field an Interim CMD capability with the Israeli Iron Dome. Concurrently, the Army will integrate an IFPC capability of a launcher and interceptor leveraging the AIAMD open systems architecture and IBCS as the Fire Control component, and US sensor (Sentinel).

The Army approved a Directed Requirement to initiate procurement of the Israeli Iron Dome Missile System for an Interim IFPC CMD capability on 9 Feb 2019. Congress approved ATR actions to align IFPC FY 2018 and 2019 Procurement to fund the Interim CMD (Iron Dome) purchase and to repurpose the FY 2019 RDTE funds in May 2019.

To support the Interim CMD requirement, the Army has signed a 10 U.S. Code, paragraph 2373 procurement contract: two interim Iron Dome batteries for technical evaluation, assessment of operational utility, and safety evaluation. Additionally, the IFPC program will perform logistics analysis and assessments to determine Iron Dome training requirements, fielding requirement, spares packages, maintenance policies, and required Operational and Maintenance documentation. In FY 2020, IFPC will continue its logistics assessments, Modeling and Simulation analysis, and integration activities, as well as conduct Performance Analysis and Testing of the Interim IFPC solution at White Sands Missile Range prior to their deployment for operational assessment.

In support of the IFPC solution, the Army utilized the Department of Defense Ordnance Technology Consortium (DOTC) OTA process to request proposals for technology readiness assessments on launcher alternatives in FY 2019. Additionally, the Army verified technology readiness of interceptor alternatives in FY 2018. These actions will inform the IFPC materiel solution decision. The Army will utilize a tailored acquisition approach to evaluate new capability and provide residual operational capability in FY 2023 and then transition into procurement and field by FY 2025.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Army **Date:** February 2020

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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Management Services (\$ in Millions)				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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			
Interim IFPC - PM - System Engineering	MIPR	Various : Huntsville, Alabama	-	-		0.957	Apr 2020	-		-		-	0.000	0.957	-
IFPC - PM - System Engineering	MIPR	Various : Huntsville, Alabama	-	3.618	Sep 2019	0.529	Jul 2020	-		-		-	Continuing	Continuing	Continuing
IFPC - PM Admin (SBIR/ STTR/FFRDC)	Various	Various : Various	-	0.674	Sep 2019	4.127	Jul 2020	-		-		-	Continuing	Continuing	Continuing
FY 2020 SBIR/STTR Transfer	TBD	Various : Various	-	-		8.827		-		-		-	0.000	8.827	-
Subtotal			-	4.292		14.440		-		-		-	Continuing	Continuing	N/A

Product Development (\$ in Millions)				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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			
Interim IFPC - System Engineering & Integration	Various	Multiple Activities : Multiple Locations	10.104	10.779	Dec 2019	11.242	Apr 2020	4.752	Jan 2021	-		4.752	0.000	36.877	-
Interim IFPC Eng and Product Dev	Various	Multiple Activities : Multiple Locations	-	-		2.723	Apr 2020	-		-		-	0.000	2.723	-
Interim IFPC - System/ Subsystem Dev and Integration	Various	Multiple Activities : Multiple Locations	-	-		16.418	Apr 2020	-		-		-	0.000	16.418	-
IFPC - System Eng & Integration	Various	Multiple Activities : Multiple Locations	-	27.323	Sep 2019	9.915	Aug 2020	222.095	Jan 2021	-		222.095	Continuing	Continuing	Continuing
IFPC Eng and Product Dev/Fabrication	Various	Multiple Activities : Multiple Locations	-	-		11.096	Jul 2020	-		-		-	Continuing	Continuing	Continuing
IFPC System/Subsystem Dev and Integration	Various	Multiple Activities : Multiple Locations	-	-		1.816	Jul 2020	-		-		-	Continuing	Continuing	Continuing
IFPC Interceptor System Engineering & Integration	TBD	Multiple Activities : Multiple Locations	-	-		14.328	Jul 2020	-		-		-	Continuing	Continuing	Continuing
IFPC Interceptor System/ Subsystem Development and Integration	SS/CPFF	To Be Determined : To Be Determined	-	-		66.905	Jul 2020	-		-		-	Continuing	Continuing	Continuing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Army												Date: February 2020			
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							
Product Development (\$ in Millions)				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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
Subtotal			10.104	38.102		134.443		226.847		-		226.847	Continuing	Continuing	N/A
Support (\$ in Millions)				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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
Interim IFPC - PM Log Support	MIPR	Various : Huntsville, Alabama	-	-		0.941	Apr 2020	-		-		-	0.000	0.941	-
Interim IFPC - Log Support	TBD	TBD : TBD	-	42.600	Dec 2019	7.155	Apr 2020	8.923	Jan 2021	-		8.923	0.000	58.678	-
IFPC Interceptor Log Support	Various	Multiple Activities : Redstone Arsenal, Alabama	-	4.023		0.951	Sep 2020	-		-		-	Continuing	Continuing	Continuing
Subtotal			-	46.623		9.047		8.923		-		8.923	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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
Interim IFPC Operational Testing	IA	Multiple Activities : Multiple Locations	17.440	2.448	Dec 2019	31.573	Apr 2020	-		-		-	0.000	51.461	-
IFPC Developmental Testing	IA	WSMR : WSMR	-	1.209		0.901	Jul 2020	-		-		-	Continuing	Continuing	Continuing
IFPC Interceptor System/ Subsystem Developmental Testing	IA	Multiple Activities : Multiple Locations	-	-		3.962	Jul 2020	-		-		-	Continuing	Continuing	Continuing
Subtotal			17.440	3.657		36.436		-		-		-	Continuing	Continuing	N/A
Project Cost Totals			27.544	92.674		194.366		235.770		-		235.770	Continuing	Continuing	N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2021 Army		Date: February 2020
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 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025			
	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
National Defense Authorization Act for FY2019 directed IFPC Report to Congress	▲1																											
Interim CMD Directed Requirement - Interim CMD System		▲2																										
Interim CMD Title 10, Para 2373 Contract Award for Interim Iron Dome Btry 1&2			▲3																									
Interim CMD Capability Integration and Test Activities					■	■	■	■																				
Interim CMD Interoperability Experimentation and development effort					■	■	■	■	■	■	■	■																
Interim CMD Live Fire Performance Testing								■																				
Interim CMD 1st Iron Dome Battery Delivery to support Testing								▲4																				
Interim CMD 2nd Iron Dome Battery Delivery to support New Equipment Training												▲5																
Interim CMD Safety Confirmation/Capabilities & Limitations Testing													■	■	■	■												
IFPC Early Operational Capability Units																											▲6	
IFPC Integration, Risk Reduction, and Experimentation					■	■	■	■	■	■	■	■																
IFPC System Design & Development									■	■	■	■	■	■	■	■												
IFPC System Integration													■	■	■	■	■	■	■	■								

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Exhibit R-4, RDT&E Schedule Profile: PB 2021 Army		Date: February 2020
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 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025			
	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 System Qualification													IFPC System Qualification															
IFPC System Testing																	IFPC System Testing											
IFPC Operational Assessment																					IFPC Operational Assessment							
IFPC Production Decision																									7 IFPC Production Decision			
IFPC First Unit Equipped (FUE)																									8 IFPC			

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Exhibit R-4A, RDT&E Schedule Details: PB 2021 Army		Date: February 2020
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
National Defense Authorization Act for FY2019 directed IFPC Report to Congress	1	2019	1	2019
Interim CMD Directed Requirement - Interim CMD System	2	2019	2	2019
Interim CMD Title 10, Para 2373 Contract Award for Interim Iron Dome Btrys 1&2	4	2019	4	2019
Interim CMD Capability Integration and Test Activities	1	2020	3	2020
Interim CMD Interoperability Experimentation and development effort	2	2020	2	2022
Interim CMD Live Fire Performance Testing	4	2020	1	2021
Interim CMD 1st Iron Dome Battery Delivery to support Testing	4	2020	4	2020
Interim CMD 2nd Iron Dome Battery Delivery to support New Equipment Training	1	2021	1	2021
Interim CMD Safety Confirmation/Capabilities & Limitations Testing	2	2022	3	2022
IFPC Early Operational Capability Units	4	2023	4	2023
IFPC Integration, Risk Reduction, and Experimentation	1	2020	1	2021
IFPC System Design & Development	3	2020	2	2022
IFPC System Integration	1	2021	4	2023
IFPC System Qualification	2	2022	4	2022
IFPC System Testing	1	2023	4	2023
IFPC Operational Assessment	2	2023	2	2025
IFPC Production Decision	1	2024	1	2024
IFPC First Unit Equipped (FUE)	4	2025	4	2025

Note

CMD: Cruise Missiles Defense
 FUE:
 FY: Fiscal Year
 IFPC: Indirect Fire Protection Capability