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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2024 Navy **Date:** March 2023

<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604014N / <i>F/A-18 Infrared Search and Track (IRST)</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	363.542	47.637	55.069	32.127	-	32.127	12.502	1.564	0.056	0.058	0.000	512.555
2069: <i>F/A-18 Infrared Search and Track (IRST)</i>	363.542	47.637	40.069	32.127	-	32.127	12.502	1.564	0.056	0.058	0.000	497.555
9999: <i>Congressional Adds</i>	0.000	0.000	15.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	15.000

**Program MDAP/MAIS Code:**  
**Project MDAP/MAIS Code(s):** P510

**A. Mission Description and Budget Item Justification**

The AN/ASG-34A(V)1 F/A-18E/F Infrared Search and Track (IRST) system is a long-wave infrared sensor that provides a passive, out-of-band, alternate fire control system capable of detecting, tracking and engaging airborne targets, at long range, in a heavy electronic attack or radar-denied environment. IRST Block II is the primary out-of-band fire-control system for the F/A-18E/F, critical to organic passive air-to-air kill-chains required to compete with peer adversaries. Enables F/A-18E/F lethality by providing a passive means to detect, track, and target aircraft in highly contested environments in support of the objectives outlined in the National Defense Strategy. IRST enhances survivability by providing a fire-control solution without the need to radiate in the RF spectrum. The IRST system can autonomously, or in combination with other sensors, support the guidance of beyond-visual-range missiles including AIM-120C/D and AIM-9X Block II. The F/A-18E/F IRST system is an evolutionary Navy acquisition program with Block I and Block II capabilities. The USN is committed to further development of this component of the passive kill chain.

This budget request supports Block II development and testing of a redesigned Infrared Receiver (IRR) and processor, enabling full Capabilities Development Document (CDD) capability over a larger field of regard. This budget request also supports development and testing of a redesigned Read-Out Integrated Circuit (ROIC). The ROIC vendor is not able to sustain production of the current design. The redesign will yield a more reliable configuration with potential production cost avoidances due to less usage of higher cost materials.

IRST was previously funded under Program Element 0204136N F/A-18 Squadrons and has been transferred to Program Element 0604014N F/A-18 Infrared Search and Track.

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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Previous President's Budget	48.793	40.069	21.590	-	21.590
Current President's Budget	47.637	55.069	32.127	-	32.127
Total Adjustments	-1.156	15.000	10.537	-	10.537
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	15.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.156	0.000			
• Program Adjustments	0.000	0.000	10.500	-	10.500
• Rate/Misc Adjustments	0.000	0.000	0.037	-	0.037

**Congressional Add Details (\$ in Millions, and Includes General Reductions)**

**Project:** 9999: *Congressional Adds*

Congressional Add: *Disruptive air and missile defense*

Congressional Add Subtotals for Project: 9999

Congressional Add Totals for all Projects

	<b>FY 2022</b>	<b>FY 2023</b>
	0.000	15.000
	0.000	15.000
	0.000	15.000

**Change Summary Explanation**

Cost:  
 2069: The FY2024 funding request was increased \$10.500 million for IRST Read Out Integrated Circuit (ROIC) Redesign and \$.037 million for miscellaneous adjustments.  
 9999: FY2023 \$15.000 million added for Disruptive Air and Missile Defense.

Technical: Not Applicable

Schedule:  
 2069:  
 - Added Gate 6/CSB to 2Q FY23  
 - Updated FRP DR from 3Q FY24 to 1Q FY25  
 - Removed High Speed Mod as it is not being funded as part of the program execution  
 - Updated Test and Evaluation activities to align with FY24 IOC

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2024 Navy		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604014N / <i>F/A-18 Infrared Search and Track (IRST)</i>	
<ul style="list-style-type: none"><li>- Updated production milestones and asset delivery to align with the APN-5 BLI 0515 9999:</li><li>- Added schedule for Disruptive Air and Missile Defense</li></ul>		

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**Exhibit R-2A, RDT&E Project Justification:** PB 2024 Navy **Date:** March 2023

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604014N / F/A-18 Infrared Search and Track (IRST)	<b>Project (Number/Name)</b> 2069 / F/A-18 Infrared Search and Track (IRST)
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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
2069: F/A-18 Infrared Search and Track (IRST)	363.542	47.637	40.069	32.127	-	32.127	12.502	1.564	0.056	0.058	0.000	497.555
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**Project MDAP/MAIS Code:** P510

**Note**

Infrared Search and Track (IRST) was funded in FY16 and prior under PE 0204136N / F/A-18 Squadrons, PU 1662 F/A-18 Improvements. Funding was realigned to a new PU 2069 / F/A-18 IRST in FY17 and then transferred to a new PE 0604014N / F/A-18 IRST under PU 2069 / F/A-18 IRST in FY18.

**A. Mission Description and Budget Item Justification**

The AN/ASG-34A(V)1 F/A-18E/F Infrared Search and Track (IRST) system is a long-wave infrared sensor that provides a passive, out-of-band, alternate fire control system capable of detecting, tracking and engaging airborne targets, at long range, in a heavy electronic attack or radar-denied environment. IRST Block II is the primary out-of-band fire-control system for the F/A-18E/F, critical to organic passive air-to-air kill-chains required to compete with peer adversaries. Enables F/A-18E/F lethality by providing a passive means to detect, track, and target aircraft in highly contested environments in support of the objectives outlined in the National Defense Strategy. IRST enhances survivability by providing a fire-control solution without the need to radiate in the RF spectrum. The IRST system can autonomously, or in combination with other sensors, support the guidance of beyond-visual-range missiles including AIM-120C/D and AIM-9X Block II. The F/A-18E/F IRST system is an evolutionary Navy acquisition program with Block I and Block II capabilities. The USN is committed to further development of this component of the passive kill chain.

This budget request supports Block II development and testing of a redesigned Infrared Receiver (IRR) and processor, enabling full Capabilities Development Document (CDD) capability over a larger field of regard.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
<b>Title:</b> Infra-Red Search and Track (IRST)	47.637	40.069	32.127	0.000	32.127
<b>Articles:</b>	-	-	-	-	-
<b>Description:</b> Technology Development (TD) and Engineering and Manufacturing Development (EMD) of a fully integrated airborne IRST sensor for the F/A-18E/F.					
Block II is an engineering change to the Block I system which redesigns the Infrared Receiver (IRR) and processor to provide full Capabilities Development Document (CDD) capability over a larger field of regard. Block II will provide longer-range passive detection and tracking performance which enhances warfighting capability through improved engagement timelines and increased situational awareness.					

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Navy		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604014N / <i>F/A-18 Infrared Search and Track (IRST)</i>	<b>Project (Number/Name)</b> 2069 / <i>F/A-18 Infrared Search and Track (IRST)</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
<p><b><i>FY 2023 Plans:</i></b> Complete IRST Block II Development Phase 2 (EMD) effort. Conduct Block II flight testing for verification of correction of deficiencies identified in Block II Operational Test. Begin implementation of redesigns &amp; changes identified as part of engineering and logistics analysis.</p> <p><b><i>FY 2024 Base Plans:</i></b> Complete IOT&amp;E, continue Block II flight testing for verification of correction of deficiencies identified in Block II Operational Test. Begin follow on development efforts for capability enhancements (sensor improvements). Continue implementation of redesigns &amp; changes identified as part of engineering and logistics analysis. Continue hardware and software development for Read Out Integrated Circuit (ROIC) obsolescence redesign.</p> <p><b><i>FY 2024 OCO Plans:</i></b> N/A</p> <p><b><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i></b> Decrease from FY 2023 to FY 2024 of \$7.942 million due to completion of Block II Development Phase 2 (EMD) effort.</p>					
<b>Accomplishments/Planned Programs Subtotals</b>	47.637	40.069	32.127	0.000	32.127

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• APN/0515: <i>Infrared Search and Track (IRST)</i>	120.377	121.039	179.193	-	179.193	172.818	153.095	157.116	42.501	30.918	1,074.483

**Remarks**

**D. Acquisition Strategy**  
 F/A-18E/F Block II IRST is an ECP to the Block I system employing an incremental approach to development and integration. The F/A-18E/F IRST Block II Pre-Development IPR-1 was conducted in October 2017 and the Block II ECP achieved Milestone C on 4 December 2018. Based on lead times required for some hardware components and urgency of need, development is being executed incrementally with some concurrency with production activities. The concurrency risk was accepted based on proven technology elements, high confidence in design stability, and a planned demonstration of readiness for production at rate.  
 The incremental approach to development presently underway has been impacted by first article HW delays. Despite delays, data from the incremental development continues to support confidence in the design stability with a plan to demonstrate manufacturing readiness for full rate by Q4 FY2023. Flight-testing of the new critical

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Navy		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604014N / <i>F/A-18 Infrared Search and Track (IRST)</i>	<b>Project (Number/Name)</b> 2069 / <i>F/A-18 Infrared Search and Track (IRST)</i>

technology began in 2019 with Block I AV6+ systems. Further development of the Block II hardware continued in parallel with the extended fleet demo with flight testing beginning in November 2019 on a Block II capital asset and continuing in March 2020 with prototype sensors which contain all critical HW elements to evaluate Block II performance. The prototype systems are fully integrated with the aircraft and contain all SW elements needed to deliver Capability Development Document (CDD) performance. Analysis of Multi-plane testing of the prototype systems conducted in 2021 has shown considerable margin to CDD Key Performance Parameters. Prototype systems continue to support integration with the F/A-18E/F Advanced Mission Computer software through flight testing with SCS H18. The final hardware configuration began flight testing in Q2 FY2023. Based on the revised APB and program schedule, F/A-18E/F IRST Block II is on track to IOC in Q3 FY2024, bringing critical out-of-band detection and weapon-quality-track capability against advanced air threats.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604014N / F/A-18 Infrared Search and Track (IRST)	<b>Project (Number/Name)</b> 2069 / F/A-18 Infrared Search and Track (IRST)
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<b>Product Development (\$ in Millions)</b>				<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>			
Primary Development (Hardware/Software) Infra-Red Search and Track	Various	Boeing : St. Louis, MO	200.457	12.540	Dec 2021	6.404	Dec 2022	2.928	Dec 2023	-		2.928	0.854	223.183	223.079
Product Development (ROIC Redesign)	C/IDIQ	Boeing : St. Louis, MO	0.000	10.500	Oct 2022	0.000		10.500	Oct 2023	-		10.500	0.000	21.000	21.000
Primary Development	Various	NSMA : Various	113.451	17.429	Jan 2022	26.629	Nov 2022	3.436	Nov 2023	-		3.436	7.101	168.046	-
Prior Year Prod Dev no longer funded in FYDP	Various	Various : Various	15.639	0.000		0.000		0.000		-		0.000	0.000	15.639	-
<b>Subtotal</b>			329.547	40.469		33.033		16.864		-		16.864	7.955	427.868	N/A

**Remarks**  
FY2024 decrease in hardware and software development due the ramp down of development activity as the system reaches IOC.

<b>Support (\$ in Millions)</b>				<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>			
Development Support	WR	NAWCWD : China Lake, CA	5.265	0.659	Mar 2022	0.681	Nov 2022	0.704	Nov 2023	-		0.704	2.444	9.753	-
Development Support	WR	NAWCAD : Patuxent River, MD	4.337	0.200	Jan 2022	0.200	Nov 2022	0.256	Nov 2023	-		0.256	0.257	5.250	-
Development Support	WR	NAVSUP : Mechanicsburg, PA	0.041	0.000		0.020	Oct 2022	0.020	Oct 2023	-		0.020	0.020	0.101	-
Prior Year Support no longer funded in FYDP	Various	Various : Various	2.162	0.000		0.000		0.000		-		0.000	0.000	2.162	-
<b>Subtotal</b>			11.805	0.859		0.901		0.980		-		0.980	2.721	17.266	N/A

**Remarks**  
FY2024 increase for support efforts as the program reaches IOC in 2024.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604014N / F/A-18 Infrared Search and Track (IRST)	<b>Project (Number/Name)</b> 2069 / F/A-18 Infrared Search and Track (IRST)
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<b>Test and Evaluation (\$ in Millions)</b>				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			
Operational Test & Evaluation (OT&E)	WR	NAWCAD : Patuxent River, MD	6.244	1.668	Jan 2022	2.948	Nov 2022	1.666	Nov 2023	-		1.666	2.946	15.472	-
Operational Test & Evaluation (OT&E)	Various	OPTEVFOR : VX-9	0.422	0.000		0.679	Jul 2023	2.121	Jul 2024	-		2.121	0.503	3.725	-
Developmental Test & Evaluation (DT&E)	WR	NAWCWD : China Lake, CA	12.988	3.589	Jan 2022	2.463	Nov 2022	7.506	Nov 2023	-		7.506	0.000	26.546	-
Operational Test & Evaluation (OT&E)	WR	NAWCWD : China Lake, CA	0.000	0.000		0.000		2.945	Nov 2023	-		2.945	0.000	2.945	-
Live Fire Test & Evaluation (LFT&E)	MIPR	Eglin AFB : Eglin AFB	0.000	1.034	Jun 2022	0.000		0.000		-		0.000	0.000	1.034	-
<b>Subtotal</b>			19.654	6.291		6.090		14.238		-		14.238	3.449	49.722	N/A

**Remarks**  
FY2024 increase in T&E due to operational test and live fire events to reach IOC.

<b>Management Services (\$ in Millions)</b>				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			
Travel	Various	NAVAIR : Patuxent River, MD	0.076	0.018	Oct 2021	0.045	Oct 2022	0.045	Oct 2023	-		0.045	0.045	0.229	-
Program Management Support - MISC	Various	NAWCAD : Patuxent River, MD	2.460	0.000	Oct 2021	0.000		0.000		-		0.000	0.000	2.460	-
<b>Subtotal</b>			2.536	0.018		0.045		0.045		-		0.045	0.045	2.689	N/A

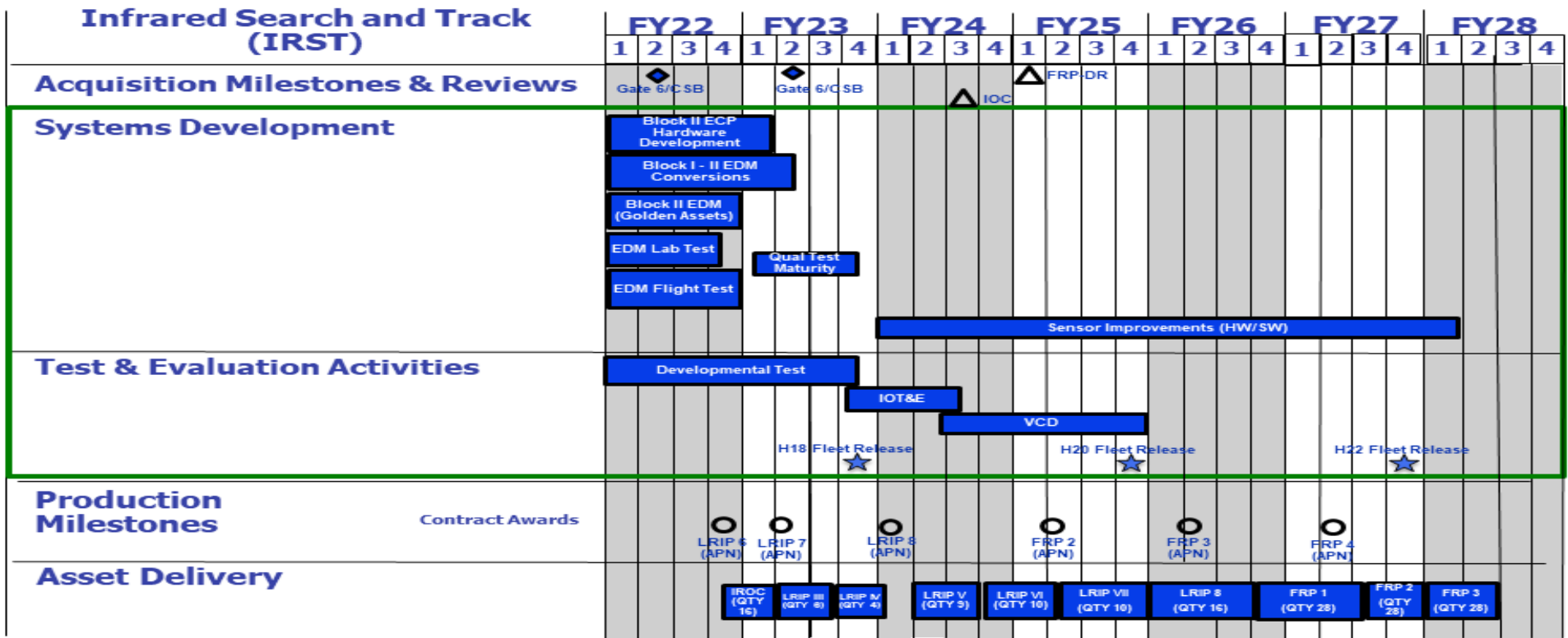
	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract	
<b>Project Cost Totals</b>		363.542	47.637	40.069	32.127	-	32.127	14.170	497.545	N/A

**Remarks**

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604014N / F/A-18 Infrared Search and Track (IRST)	Project (Number/Name) 2069 / F/A-18 Infrared Search and Track (IRST)

# F/A-18 Infrared Search and Track (IRST)



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Navy		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604014N / <i>F/A-18 Infrared Search and Track (IRST)</i>	<b>Project (Number/Name)</b> 2069 / <i>F/A-18 Infrared Search and Track (IRST)</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Infra-Red Search and Track</i></b>				
Acquisition Milestones: Milestones: Full Rate Production Decision Review (FRP DR)	1	2025	1	2025
Acquisition Milestones: Milestones: Gate 6 / CSB (IPR 1)	2	2022	2	2022
Acquisition Milestones: Milestones: Gate 6 / CSB (IPR 2)	2	2023	2	2023
Acquisition Milestones: Milestones: Initial Operating Capability (IOC)	3	2024	3	2024
System Development: Engineering and Manufacturing Development: Block II ECP Hardware Development	1	2022	1	2023
System Development: Engineering and Manufacturing Development: Block I/II EDM Conversions	1	2022	2	2023
System Development: Engineering and Manufacturing Development: Block II EDM (Golden Assets)	1	2022	4	2022
System Development: Development Testing: EDM Lab Test	1	2022	4	2022
System Development: Development Testing: EDM Flight Test	1	2022	4	2022
System Development: Development Testing: Qual Test Maturity	1	2023	4	2023
System Development: Development Testing: Sensor Improvements (HW/SW)	1	2024	1	2028
Test and Evaluation: Operational Testing: Developmental Test	1	2022	4	2023
Test and Evaluation: Operational Testing: IOT&E	4	2023	3	2024
Test and Evaluation: Operational Testing: VCD	2	2024	4	2025
Test and Evaluation: Operational Testing: H18 Fleet Release	4	2023	4	2023
Test and Evaluation: Operational Testing: H20 Fleet Release	4	2025	4	2025
Test and Evaluation: Operational Testing: H22 Fleet Release	4	2027	4	2027
Production Milestones: Contract Awards: Block II LRIP 6 (APN)	4	2022	4	2022
Production Milestones: Contract Awards: Block II LRIP 7 (APN)	2	2023	2	2023

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**Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604014N / <i>F/A-18 Infrared Search and Track (IRST)</i>	<b>Project (Number/Name)</b> 2069 / <i>F/A-18 Infrared Search and Track (IRST)</i>
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<b>Events by Sub Project</b>	<b>Start</b>		<b>End</b>	
	<b>Quarter</b>	<b>Year</b>	<b>Quarter</b>	<b>Year</b>
Production Milestones: Contract Awards: Block II LRIP 8 (APN)	1	2024	1	2024
Production Milestones: Contract Awards: Block II FRP 1 (APN)	3	2024	3	2024
Production Milestones: Contract Awards: Block II FRP 2 (APN)	1	2025	1	2025
Production Milestones: Contract Awards: Block II FRP 3 (APN)	1	2026	1	2026
Production Milestones: Contract Awards: Block II FRP 4 (APN)	2	2027	2	2027
Production Milestones: Asset Delivery: IROC (QTY 16)	4	2022	1	2023
Production Milestones: Asset Delivery: LRIP 3 (Block II Lot 1 - Qty 6)	2	2023	3	2023
Production Milestones: Asset Delivery: LRIP 4 (Block II Lot 2 - Qty 4)	3	2023	4	2023
Production Milestones: Asset Delivery: LRIP 5 (Block II Lot 3 - Qty 9)	2	2024	3	2024
Production Milestones: Asset Delivery: LRIP 6 (Block II Lot 4 - Qty 10)	4	2024	1	2025
Production Milestones: Asset Delivery: LRIP 7 (Block II Lot 5 - Qty 10)	2	2025	4	2025
Production Milestones: Asset Delivery: LRIP 8 (Block II Lot 6 - Qty 16)	1	2026	3	2026
Production Milestones: Asset Delivery: FRP 1 (Block II Lot 4 - Qty 28)	4	2026	3	2027
Production Milestones: Asset Delivery: FRP 2 (Block II Lot 5 - Qty 28)	2	2027	4	2027
Production Milestones: Asset Delivery: FRP 3 (Block II Lot 6 - Qty 28)	1	2028	2	2028

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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
9999: <i>Congressional Adds</i>	0.000	0.000	15.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	15.000
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

Disruptive Air and Missile Defense: Research, Development, Test and Evaluation (RDT&E) funding to support the maturation of capability gaps identified in Integrated Priority List and Urgent Operational needs requiring new passive sensing and engagement options in air, sea and land domains. Due to nature of these efforts, specific descriptions and detailed plans are available at higher classification levels.

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

	FY 2022	FY 2023
<b><i>Congressional Add:</i></b> Disruptive air and missile defense	0.000	15.000
<b><i>FY 2022 Accomplishments:</i></b> N/A		
<b><i>FY 2023 Plans:</i></b> N/A		
<b>Congressional Adds Subtotals</b>	0.000	15.000

**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 2024 Navy												Date: March 2023				
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)								
1319 / 4				PE 0604014N / F/A-18 Infrared Search and Track (IRST)				9999 / Congressional Adds								
<b>Product Development (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	
Need Item Text	C/BA	Not Specified : Not Specified	0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	-	
<b>Subtotal</b>			0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	N/A	
<b>Support (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	
System Integration Support	RO	TBD : TBD	0.000	0.000		3.000	Aug 2023	0.000		-		0.000	0.000	3.000	-	
<b>Subtotal</b>			0.000	0.000		3.000		0.000		-		0.000	0.000	3.000	N/A	
<b>Test and Evaluation (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	
Developmental Test & Evaluation (DT&E)	RO	TBD : TBD	0.000	0.000		8.000	Aug 2023	0.000		-		0.000	0.000	8.000	-	
Live Fire Test & Evaluation (LFT&E)	RO	TBD : TBD	0.000	0.000		4.000	Oct 2023	0.000		-		0.000	0.000	4.000	-	
<b>Subtotal</b>			0.000	0.000		12.000		0.000		-		0.000	0.000	12.000	N/A	
<b>Project Cost Totals</b>			0.000	0.000		15.000		0.000		-		0.000	0.000	15.000	N/A	
<b>Remarks</b>																



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Navy		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604014N / <i>F/A-18 Infrared Search and Track (IRST)</i>	<b>Project (Number/Name)</b> 9999 / <i>Congressional Adds</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Proj 9999</b>				
Disruptive System Integration Planning: System Integration Support	3	2023	4	2024
Disruptive Live Fire Test & Evaluation: Development T&E	1	2023	4	2024
Disruptive Live Fire Test & Evaluation: LFT&E	4	2023	4	2024