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

<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 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	411.179	54.502	32.127	8.630	-	8.630	2.727	0.832	0.000	0.000	0.000	509.997
2069: <i>F/A-18 Infrared Search and Track (IRST)</i>	411.179	40.022	32.127	8.630	-	8.630	2.727	0.832	0.000	0.000	0.000	495.517
9999: <i>Congressional Adds</i>	0.000	14.480	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	14.480

**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 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Previous President's Budget	55.069	32.127	12.502	-	12.502
Current President's Budget	54.502	32.127	8.630	-	8.630
Total Adjustments	-0.567	0.000	-3.872	-	-3.872
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.037	0.000			
• SBIR/STTR Transfer	-0.530	0.000			
• Program Adjustments	0.000	0.000	-2.985	-	-2.985
• Rate/Misc Adjustments	0.000	0.000	-0.887	-	-0.887

**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 2023</b>	<b>FY 2024</b>
	14.480	0.000
	14.480	0.000
	14.480	0.000

**Change Summary Explanation**

**Cost:**  
 2069: FY25 reduction of \$3.872M for miscellaneous rate adjustments.  
 9999: Not Applicable

**Technical:**  
 2069: Not Applicable  
 9999: Not Applicable

**Schedule:**  
 2069: FY25 and out schedule updated due to the F/A-18 System Configuration Set (SCS) transitioning from a H-Build software model that delivered a major release every two years to a Scaled Agile Framework (SAFe) that will deliver smaller releases more frequently as part of Continuous Integration, Delivery & Deployment (CID&D). Under CID&D, the previous SCS H-builds have been combined into a common baseline that provides release opportunities when capabilities are ready. The F/A-18E/F and EA-18G schedules reflect two release opportunities per Fiscal Year (FY); this is a notional schedule only, as the

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<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>	
<p>program is not tied to two releases a year and will determine when to release based on requirements and software readiness. Under CID&amp;D the program will deliver capability to the warfighter with relevance and more quickly than the waterfall construct of H-builds allowed.</p> <ul style="list-style-type: none"><li>- Revised Sensor Improvements to complete in Q1 FY29</li></ul> <p>9999: - Not Applicable</p>		

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

<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 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
2069: F/A-18 Infrared Search and Track (IRST)	411.179	40.022	32.127	8.630	-	8.630	2.727	0.832	0.000	0.000	0.000	495.517
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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<b>Title:</b> Infra-Red Search and Track (IRST)	40.022	32.127	8.630	0.000	8.630
<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 2025 Navy		<b>Date:</b> March 2024
<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)

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

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
<b>FY 2024 Plans:</b> Complete IOT&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 & changes identified as part of engineering and logistics analysis. Continue hardware and software development for Read Out Integrated Circuit (ROIC) obsolescence redesign.					
<b>FY 2025 Base Plans:</b> Continue Block II flight testing for verification of correction of deficiencies identified in Block II Operational Test. Continue follow on development efforts for capability enhancements (sensor improvements). Continue implementation of redesigns and changes identified as part of engineering and logistics analysis. Continue hardware and software development for Read Out Integrated Circuit (ROIC) obsolescence redesign.					
<b>FY 2025 OCO Plans:</b> N/A					
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Decrease from FY2024 to FY2025 for \$23.497 million due to the ramp down of IRST development test efforts.					
<b>Accomplishments/Planned Programs Subtotals</b>	40.022	32.127	8.630	0.000	8.630

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

<b>Line Item</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• APN/0515: <i>Infrared Search and Track (IRST)</i>	121.039	179.193	146.876	-	146.876	176.827	156.028	41.814	42.701	123.284	1,205.565

**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 Q1 FY2025. Flight-testing of the new critical 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

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<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>

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 Q4 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 2025 Navy** **Date:** March 2024

<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 2023</b>		<b>FY 2024</b>		<b>FY 2025 Base</b>		<b>FY 2025 OCO</b>		<b>FY 2025 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	155.238	9.103	Dec 2022	2.928	Dec 2023	0.000		-		0.000	0.000	167.269	167.269
Product Development (ROIC Redesign)	C/IDIQ	Boeing : St. Louis, MO	1.418	0.000		10.500	Oct 2023	0.000		-		0.000	0.000	11.918	11.918
Primary Hardware Development (ROIC)	C/CPFF	Lockheed Martin : Bethesda, MD	6.000	4.500	Sep 2023	0.000		0.000		-		0.000	0.000	10.500	10.500
Primary Development	WR	NSMA : Various	124.700	14.080	Nov 2022	3.436	Nov 2023	0.850	Nov 2024	-		0.850	0.000	143.066	-
Prior Year Prod Dev no longer funded in FYDP	Various	Various : Various	77.704	0.000		0.000		0.000		-		0.000	0.000	77.704	-
<b>Subtotal</b>			365.060	27.683		16.864		0.850		-		0.850	0.000	410.457	N/A

**Remarks**  
FY2025 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 2023</b>		<b>FY 2024</b>		<b>FY 2025 Base</b>		<b>FY 2025 OCO</b>		<b>FY 2025 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	5.734	0.681	Nov 2022	0.704	Nov 2023	0.965	Nov 2024	-		0.965	0.527	8.611	-
Development Support	WR	NAWCAD : Patuxent River, MD	3.952	0.200	Nov 2022	0.256	Nov 2023	0.000		-		0.000	0.000	4.408	-
Development Support	WR	NAVSUP : Mechanicsburg, PA	0.000	0.000		0.020	Oct 2023	0.000		-		0.000	0.000	0.020	-
Prior Year Support no longer funded in FYDP	Various	Various : Various	2.747	0.000		0.000		0.000		-		0.000	0.000	2.747	-
<b>Subtotal</b>			12.433	0.881		0.980		0.965		-		0.965	0.527	15.786	N/A

**Remarks**  
FY2025 increase for support efforts post IOC.

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2025 Navy</b>											<b>Date: March 2024</b>				
<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)							

<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2023</b>		<b>FY 2024</b>		<b>FY 2025 Base</b>		<b>FY 2025 OCO</b>		<b>FY 2025 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>			
Operational Test & Evaluation (OT&E)	WR	NAWCAD : Patuxent River, MD	7.623	3.806	Nov 2022	1.666	Nov 2023	2.437	Nov 2024	-		2.437	1.485	17.017	-
Developmental Test & Evaluation (DT&E)	WR	NAWCWD : China Lake, CA	9.940	6.650	Nov 2022	7.506	Nov 2023	2.836	Nov 2024	-		2.836	0.000	26.932	-
Operational Test & Evaluation (OT&E)	Various	OPTEVFOR : Pt. Mugu, CA	0.422	0.447	Jul 2023	2.121	Jul 2024	0.000		-		0.000	0.000	2.990	-
Operational Test & Evaluation (OT&E)	WR	NAWCWD : China Lake, CA	0.000	0.000		2.945	Nov 2023	0.914	Nov 2024	-		0.914	1.547	5.406	-
Developmental Test & Evaluation (DT&E)	MIPR	USAF AFLCMC HNCF : San Antonio, TX	0.000	0.016	Apr 2023	0.000		0.008	Apr 2025	-		0.008	0.000	0.024	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	Various : Various	12.913	0.000		0.000		0.000		-		0.000	0.000	12.913	-
<b>Subtotal</b>			30.898	10.919		14.238		6.195		-		6.195	3.032	65.282	N/A

**Remarks**  
FY2025 decrease in T&E due to ramp down in developmental test efforts as program reaches IOC.

<b>Management Services (\$ in Millions)</b>				<b>FY 2023</b>		<b>FY 2024</b>		<b>FY 2025 Base</b>		<b>FY 2025 OCO</b>		<b>FY 2025 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>			
Travel	Various	NAVAIR : Patuxent River, MD	0.095	0.046	Oct 2022	0.045	Oct 2023	0.030	Oct 2024	-		0.030	0.000	0.216	-
Program Support	Various	NSMA : Various	0.214	0.473	Nov 2022	0.000		0.590	Nov 2024	-		0.590	0.000	1.277	-
Transportation Account Code (TAC)	Various	NAVSUP : Mechanicsburg, PA	0.024	0.020	Oct 2022	0.000		0.000		-		0.000	0.000	0.044	-
Prior Year Support no longer funded in FYDP	Various	Various : Various	2.455	0.000		0.000		0.000		-		0.000	0.000	2.455	-
<b>Subtotal</b>			2.788	0.539		0.045		0.620		-		0.620	0.000	3.992	N/A

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

<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>Management Services (\$ in Millions)</b>				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			

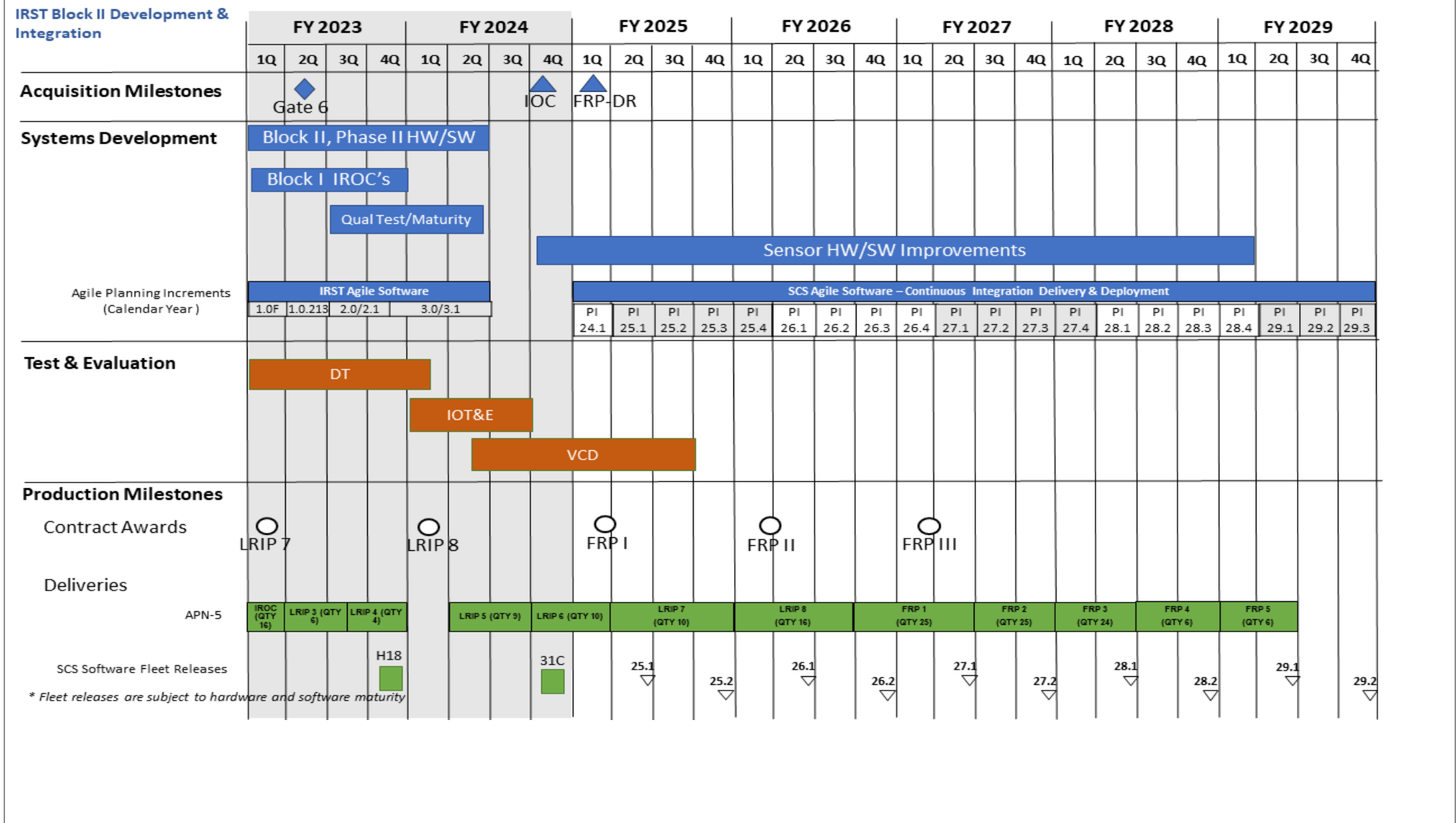
**Remarks**  
Increase in FY2025 for NSMA Classified efforts in support of contract closeout post IOC.

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	411.179	40.022	32.127	8.630	-	8.630	3.559	495.517	N/A

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2025 Navy</b>																	<b>Date: March 2024</b>				
<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>Exhibit R-4A, RDT&amp;E Schedule Details: PB 2025 Navy</b>		<b>Date: March 2024</b>
<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)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Infra-Red Search and Track</b>				
Acquisition Milestones: Milestones: Full Rate Production Decision Review (FRP DR)	1	2025	1	2025
Acquisition Milestones: Milestones: Gate 6 / CSB (IPR 2)	2	2023	2	2023
Acquisition Milestones: Milestones: Initial Operating Capability (IOC)	4	2024	4	2024
System Development: Engineering and Manufacturing Development: Block II Phase II HW/SW	1	2023	2	2024
System Development: Engineering and Manufacturing Development: Block I IROCs	1	2023	4	2023
System Development: Development Testing: Qual Test Maturity	3	2023	2	2024
System Development: Development Testing: Sensor Improvements (HW/SW)	4	2024	1	2029
Test and Evaluation: Operational Testing: Developmental Test	1	2023	1	2024
Test and Evaluation: Operational Testing: IOT&E	1	2024	3	2024
Test and Evaluation: Operational Testing: Verification of Correction of Deficiency (VCD)	2	2024	3	2025
Production Milestones: Contract Awards: Block II LRIP 7 (APN)	1	2023	1	2023
Production Milestones: Contract Awards: Block II LRIP 8 (APN)	1	2024	1	2024
Production Milestones: Contract Awards: Block II FRP 1 (APN)	1	2025	1	2025
Production Milestones: Contract Awards: Block II FRP 2 (APN)	1	2026	1	2026
Production Milestones: Contract Awards: Block II FRP 3 (APN)	1	2027	1	2027
Production Milestones: Asset Delivery: IROC (QTY 16)	1	2023	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	2024
Production Milestones: Asset Delivery: LRIP 5 (Block II Lot 3 - Qty 9)	2	2024	3	2025
Production Milestones: Asset Delivery: LRIP 6 (Block II Lot 4 - Qty 10)	4	2024	1	2025

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**Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy** **Date:** March 2024

<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: 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 25)	4	2026	2	2027
Production Milestones: Asset Delivery: FRP 2 (Block II Lot 5 - Qty 25)	3	2027	4	2027
Production Milestones: Asset Delivery: FRP 3 (Block II Lot 6 - Qty 24)	1	2028	2	2028
Production Milestones: Asset Delivery: FRP 4 (Block II Lot 7 - Qty 6)	2	2028	4	2028
Production Milestones: Asset Delivery: FRP 5 (Block II Lot 8 - Qty 6)	1	2029	2	2029

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

<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> 9999 / Congressional Adds
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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
9999: <i>Congressional Adds</i>	0.000	14.480	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	14.480
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 2023	FY 2024
<b><i>Congressional Add:</i></b> Disruptive air and missile defense	14.480	0.000
<b><i>FY 2023 Accomplishments:</i></b> N/A		
<b><i>FY 2024 Plans:</i></b> N/A		
<b>Congressional Adds Subtotals</b>	14.480	0.000

**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 2025 Navy												Date: March 2024				
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 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	
Disruptive Air and Missile Defense Development	C/CPFF	OceanIT : Honolulu, HI	0.000	1.000	May 2024	0.000		0.000		-		0.000	0.000	1.000	-	
Disruptive Air and Missile Defense Development	C/BOA	Office of Naval Research : Arlington, VA	0.000	9.480	May 2024	0.000		0.000		-		0.000	0.000	9.480	-	
<b>Subtotal</b>			0.000	10.480		0.000		0.000		-		0.000	0.000	10.480	N/A	
<b>Support (\$ in Millions)</b>				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	
Disruptive System Integration Support	RO	NAWCAD : Patuxent River, MD	0.000	1.500	Aug 2023	0.000		0.000		-		0.000	0.000	1.500	-	
Disruptive System Integration Support	RO	NAWCWD : AWL China Lake, CA	0.000	1.500	Aug 2023	0.000		0.000		-		0.000	0.000	1.500	-	
<b>Subtotal</b>			0.000	3.000		0.000		0.000		-		0.000	0.000	3.000	N/A	
<b>Test and Evaluation (\$ in Millions)</b>				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	
Live Fire Test & Evaluation (LFT&E)	RO	Eglin AFB : Pensacola, FL	0.000	1.000	Oct 2023	0.000		0.000		-		0.000	0.000	1.000	-	
<b>Subtotal</b>			0.000	1.000		0.000		0.000		-		0.000	0.000	1.000	N/A	
<b>Project Cost Totals</b>			0.000	14.480		0.000		0.000		-		0.000	0.000	14.480	N/A	
<b>Remarks</b>																



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 Navy		<b>Date:</b> March 2024
<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	4	2023	4	2024
Disruptive Live Fire Test & Evaluation: Development T&E	4	2023	4	2024
Disruptive Live Fire Test & Evaluation: LFT&E	1	2024	4	2024