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

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604272N / <i>Tact Air Dir Infrared CM (TADIRCM)</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	229.478	38.064	34.684	35.030	-	35.030	15.292	14.561	15.158	15.476	Continuing	Continuing
3348: <i>DAIRCM Development</i>	229.478	14.895	34.684	35.030	-	35.030	15.292	14.561	15.158	15.476	Continuing	Continuing
9999: <i>Congressional Adds</i>	0.000	23.169	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	23.169

A. Mission Description and Budget Item Justification

This element includes development of electronic warfare systems for worldwide deployment of United States Navy (USN) and United States Marine Corps (USMC) assault aircraft. This includes the development and testing of advanced infrared (IR) countermeasures systems for aircraft survivability against emerging threats and for emergency contingencies. This program develops Hostile Fire Indication (HFI), and Laser Warning Sensors that integrates IR missile countermeasures with aircraft Countermeasures Dispensing Systems (CMDs) and expendables. DAIRCM adopts future multi-band, networking capabilities to facilitate real-time transfer of threat information, off-board queuing, and control of onboard sensors. DAIRCM studies and evaluates current and future aircraft threats, makes modeling and simulation for improved countermeasure capabilities, develops, tests and provides test equipment to address new and emerging threats for improved aircraft survivability of assault aircraft in complex terrain and EW environments.

JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES because it includes all efforts necessary to evaluate integrated technologies, representative models or prototype systems in a high fidelity and realistic operating environment.

B. Program Change Summary (\$ in Millions)	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025 Base</u>	<u>FY 2025 OCO</u>	<u>FY 2025 Total</u>
Previous President's Budget	39.028	34.684	22.146	-	22.146
Current President's Budget	38.064	34.684	35.030	-	35.030
Total Adjustments	-0.964	0.000	12.884	-	12.884
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.964	0.000			
• Program Adjustments	0.000	0.000	13.084	-	13.084
• Rate/Misc Adjustments	0.000	0.000	-0.200	-	-0.200

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

Project: 9999: *Congressional Adds*

FY 2023	FY 2024

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Congressional Add Details (\$ in Millions, and Includes General Reductions)	FY 2023	FY 2024
Congressional Add: <i>Distributed aperture infrared countermeasures</i>	23.169	0.000
Congressional Add Subtotals for Project: 9999	23.169	0.000
Congressional Add Totals for all Projects	23.169	0.000

Change Summary Explanation

The FY25 funding request increased by \$0.346M for continued development and test of the DAIRCM system.

Project Unit 3348:

Acquisition Milestones: DAIRCM Final Capability Development Document (CDD) was updated from Q3FY22 to Q3FY23.

Contract Milestones: The Engineering Design Model (EDM) Hardware Deliveries started Q4FY22 and will deliver through Q1FY24. Production Representative Model (PRM) award in Q2FY24 was added to the milestone listing.

Delivery Milestones: PRM Deliveries was added to the milestone listing and will deliver 4QFY25 through 1QFY26.

Test and Evaluation: FY25 COMOPTEVFOR (Naval Command Operational Test and Evaluation Force) entry was relabeled from COTF OA to OPTEV OA. FY27 Follow On Test & Evaluation (FOT&E) / Live Fire (LF) In Support Of (ISO) Product Improvements was added to the schedule.

Project Unit 9999:

Test and Evaluation: DAIRCM Development Flight Test was added to the schedule.

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy										Date: March 2024		
Appropriation/Budget Activity 1319 / 4					R-1 Program Element (Number/Name) PE 0604272N / <i>Tact Air Dir Infrared CM (TA DIRCM)</i>				Project (Number/Name) 3348 / <i>DAIRCM Development</i>			
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
3348: <i>DAIRCM Development</i>	229.478	14.895	34.684	35.030	-	35.030	15.292	14.561	15.158	15.476	Continuing	Continuing
Quantity of RDT&E Articles		-	-	3	-	3	-	-	-	-		

A. Mission Description and Budget Item Justification

The projects in this element advances the processor, laser, and sensor development of the AN/AAQ-45 Distributed Aperture Infrared Countermeasures (DAIRCM) system in order to outpace current / future threats in addition to adding growth for future capabilities. These modifications significantly increase aircraft survivability of Department of Navy (DoN) assault aircraft in complex terrain for worldwide deployment. The DAIRCM system consists of three major components: missile warning sensors, processor, and inexhaustible laser countermeasures. DAIRCM interfaces with the platform aircraft and provides signals to onboard Aircraft Survival Equipment (ASE). Within the Department of Navy, UH-1Y is the lead platform for the DAIRCM Program. The DAIRCM program advances lessons learned from the JUONs to incorporate the system under glass in the H-1; improves laser power; increases processor to allow for additional sensors to meet platform/mission needs; improves sensor countermeasure features; improves effectiveness for flare deployment; and further develops cyber security. The DAIRCM design is scalable to expedite expansion to other platforms and improve crew threat situational awareness. The program also advances modeling and simulation for new countermeasures, and develops necessary test equipment for program success.

FY25 RDT&E funding is required to continue development and test of the DAIRCM system. The program will continue development of Government tracking software and testing of under glass solutions. DAIRCM will continue studies and evaluations of current and future aircraft threats, modeling and simulation for improved countermeasure capabilities, development, testing, and test equipment to address new and emerging threats. The program will conduct lead platform (UH-1Y) ground and flight test for DAIRCM integration of both A-Kit and B-Kit as well as correct deficiencies found during test.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: DAIRCM Development	14.895	34.684	35.030	0.000	35.030
Articles:	-	-	3	-	3
FY 2024 Plans: Finalize SIL testing and lead platform A-kit integration. Install EDM systems into developmental flight test aircraft. Conduct developmental flight test and integrated flight test. Continue software development as required to correct deficiencies found in SIL and flight test events. Conduct test events in the Guided Weapons Evaluation Facility (GWEF) and the Navy Infrared Countermeasures Effectiveness Laboratory (NICEL) to assist in determining system effectiveness.					
FY 2025 Base Plans: Finalize software development. Complete integrated flight test and final Pre MS-C Live Fire Test and Evaluation (LFT&E). Start delivery of (QTY 3) Production Representative Models (PRM). Conduct Production Readiness					

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Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604272N / Tact Air Dir Infrared CM (TA DIRCM)	Project (Number/Name) 3348 / DAIRCM Development

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Review (PRR), System Verification Review (SVR), and Functional Configuration Audit (FCA) in support of MS-C. Achieve MS-C and permission to enter LRIP.					
FY 2025 OCO Plans: N/A					
FY 2024 to FY 2025 Increase/Decrease Statement: FY25 RDT&E funding is required to continue development and test of the DAIRCM system. The program will continue development of Government tracking software and testing of under glass solutions. DAIRCM will continue studies and evaluations of current and future aircraft threats, modeling and simulation for improved countermeasure capabilities, development, testing, and test equipment to address new and emerging threats. The program will conduct lead platform (UH-1Y) ground and flight test for DAIRCM integration of both A-Kit and B-Kit as well as correct deficiencies found during test.					
Accomplishments/Planned Programs Subtotals	14.895	34.684	35.030	0.000	35.030

C. Other Program Funding Summary (\$ in Millions)	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
• APN/0576: <i>Distributed Aperture Infrared Countermeasures (DAIRCM)</i>	32.311	1.500	0.000	-	0.000	37.246	62.092	82.684	83.414	91.301	475.070

Remarks
 APN/0576 represents one (1) OSIP (OSIP 018-17 Distributed Aperture Infrared Countermeasures (DAIRCM)) from the Common ECM Equipment budget.
 APN/0605 represents only a portion of the total Common ECM Mod Spares budget.

D. Acquisition Strategy
 The Distributed Aperture Infrared Countermeasures (DAIRCM) ACAT II Program is a scalable acquisition approach that provides the architecture for an integrated aircraft survivability system with preplanned product improvements (P3I) to outpace the threats into the future. It replaces the existing AN/AAR-47 UV Threat Warning System - providing an inexhaustible countermeasure with improved 2-color IR Threat Warning system and growth capability to meet future design improvements and combat advanced threats. It leverages JUONs capability, cooperation between Government laboratories and industry partners to grow into an integrated capability that meets the key performance parameters. The DAIRCM program awarded a development cost contract in FY20. The DAIRCM program will also award contract modifications for new platforms to procure DAIRCM Engineering Development Models (EDMs), Production Representative Models (PRMs) and nonrecurring engineering development and test support as future material solution for their platforms. The addition of other Services platforms is expected to lower the overall acquisition costs for

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all services. A separate production contract will be awarded for Milestone C planned for 4Q2025 for services that selected DAIRCM as future material solution for their platforms.

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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			
H-1 Operational Flight Program Dev	C/CPFF	Northrop Grumman : Woodland Hills, CA	5.925	0.300	Jun 2023	0.150	Jun 2024	0.000	Jun 2025	-		0.000	Continuing	Continuing	Continuing
Govt Eng Support	WR	NAWCAD : Patuxent River, MD	7.531	2.408	Oct 2022	2.443	Oct 2023	2.480	Oct 2024	-		2.480	Continuing	Continuing	Continuing
Govt Eng Support	WR	FRC : Jacksonville, FL	0.654	0.134	Nov 2022	0.136	Nov 2023	0.138	Nov 2024	-		0.138	Continuing	Continuing	Continuing
Govt Software Eng Support	WR	NAWCWD : PT Mugu	6.625	1.008	Nov 2022	1.008	Nov 2023	1.008	Nov 2024	-		1.008	Continuing	Continuing	Continuing
Aircraft Integration	WR	FRC East : Cherry Point, NC	0.600	0.204	Nov 2022	0.224	Nov 2023	0.224	Nov 2024	-		0.224	Continuing	Continuing	Continuing
Govt Software Eng Support	WR	NRL : Washington, DC	16.103	1.140	Nov 2022	1.140	Nov 2023	1.140	Nov 2024	-		1.140	Continuing	Continuing	Continuing
Primary HW Dev DAIRCM	C/CPFF	DRS Sysco : Melbourne, FL	87.870	5.163	Mar 2023	24.628	Nov 2023	25.075	Nov 2024	-		25.075	Continuing	Continuing	Continuing
H-1 Operational Flight Program Dev	C/CPFF	Bell Tech : Fort Worth, TX	1.044	0.000		0.000		0.000		-		0.000	0.000	1.044	-
Prior Year (Product Development) costs no longer funded in FYDP	Various	Various : Various	64.753	0.000		0.000		0.000		-		0.000	0.000	64.753	-
Subtotal			191.105	10.357		29.729		30.065		-		30.065	Continuing	Continuing	N/A

Remarks

(1) FY25 decrease (\$0.150M) H-1 Operational Flight Program Dev at Northrop Grumman due to planned completion of work within FY24.
 (2) FY25 increase (\$0.037M) Govt Eng Support at NAWCAD Patuxent River, MD to account for inflation and Maintenance Demo support.
 (3) FY25 increase (\$0.002M) Govt Eng Support at FRC Jacksonville, FL to account for inflation.
 (4) FY25 increase (\$0.447M) Primary HW Dev DAIRCM at DRS Sysco at Melbourne, FL to account for correction of software deficiencies discovered during Development Test.

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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			
Govt Integrated Logistic Support	WR	Fleet Readiness Depot : Jacksonville, FL	0.307	0.160	Oct 2022	0.163	Oct 2023	0.164	Oct 2024	-		0.164	Continuing	Continuing	Continuing
Logistic Deliverables	SS/CPFF	RIAC : Ft. Belvoir, VA	0.945	0.000	Nov 2022	0.161	Nov 2023	0.163	Nov 2024	-		0.163	Continuing	Continuing	Continuing
ESOH Support	WR	NAWC WD : China Lake	0.147	0.008	Nov 2022	0.008	Nov 2023	0.009	Nov 2024	-		0.009	0.000	0.172	-
Integrated Logistic Support	C/CPAF	Wyle Laboratories : Lexington Park, MD	0.597	0.000		0.000		0.000		-		0.000	0.000	0.597	0.300
Comercial Shipping TAC code	TBD	Various : Various	0.100	0.030	Oct 2022	0.030	Oct 2023	0.030	Oct 2024	-		0.030	Continuing	Continuing	Continuing
ESOH Support	SS/CPFF	RIAC : Ft. Belvoir, VA	0.085	0.000	Nov 2022	0.032	Nov 2023	0.032	Nov 2024	-		0.032	Continuing	Continuing	Continuing
Govt Integrated Logistics Support	WR	NAWCAD : Patuxent River, MD	1.021	0.260	Oct 2022	0.265	Oct 2023	0.267	Oct 2024	-		0.267	Continuing	Continuing	Continuing
Subtotal			3.202	0.458		0.659		0.665		-		0.665	Continuing	Continuing	N/A

Remarks
 (1) FY25 increase (\$0.001M) FRC Depot Jax, FL to account for inflation.
 (2) FY25 increase (\$0.002M) Logistic Deliverables, RIAC Ft. Belvoir, VA to account for inflation.
 (3) FY25 increase (\$0.001M) ESOH Support at NAWC WD, China Lake to account for inflation.
 (3) FY25 increase (\$0.002M) Govt Integrated Logistics Support, NAWCAD Patuxent River, MD to account for inflation.

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			
Developmental Test & Evaluation (DT&E)	WR	NAWCAD : Patuxent River, MD	10.424	1.022	Oct 2022	1.052	Oct 2023	1.068	Oct 2024	-		1.068	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	WR	NAWCWD : China Lake, CA	6.495	0.829	Nov 2022	0.853	Nov 2023	0.213	Nov 2024	-		0.213	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	C/CPFF	GWEF : Eglin AFB, FL	2.169	0.200	Dec 2022	0.200	Dec 2023	0.200	Dec 2024	-		0.200	Continuing	Continuing	Continuing

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

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604272N / Tact Air Dir Infrared CM (TA DIRCM)	Project (Number/Name) 3348 / DAIRCM Development
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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			
Developmental Test & Evaluation (DT&E)	WR	COTF : Various	1.837	0.499	Jan 2023	0.494	Jan 2024	0.540	Jan 2025	-		0.540	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	WR	CRANE : CRANE	1.150	0.109	Jan 2023	0.111	Jan 2024	0.112	Jan 2025	-		0.112	0.000	1.482	-
Live Fire Test & Evaluation (LFT&E)	Various	Various : Various	0.000	0.000		0.000		0.578	Oct 2024	-		0.578	0.000	0.578	-
Prior Year Live Fire Test & Evaluation Not Funded FYDP (PYLFT&E)	Various	Various : Various	1.469	0.000		0.000		0.000		-		0.000	0.000	1.469	0.450
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	Various	Various : Various	5.247	0.000		0.000		0.000		-		0.000	0.000	5.247	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	C/CPFF	NAWCWD : Point Mugu, CA	1.518	0.000		0.000		0.000		-		0.000	0.000	1.518	-
Subtotal			30.309	2.659		2.710		2.711		-		2.711	Continuing	Continuing	N/A

Remarks

(1) FY25 increase (\$0.016M) NAWCAD Pax to account for inflation.
 (2) FY25 decrease (\$0.640M) NAWCWD China Lake is due to decrease in DT in Q1FY25.
 (3) FY25 increase (\$0.046M) COTF, Various is due to OPTEV OA Q3FY25.
 (4) FY25 increase (\$0.001M) NSWC Crane to account for inflation.
 (5) FY25 increase (\$0.578M) various is due to increase in LFT&E in Q1FY25.

Management Services (\$ 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			
Contractor Mgmt Support	C/CPFF	Amelex : California, MD	0.380	0.147	Jan 2023	0.000		0.000		-		0.000	0.000	0.527	-
Contractor Eng Support	C/CPFF	Various : Various	1.559	0.000	Jan 2023	0.105	Jan 2024	0.106	Jan 2025	-		0.106	0.000	1.770	-
Travel	WR	NAVAIR Various : Patuxent River, MD	0.703	0.320	Oct 2022	0.350	Oct 2023	0.350	Oct 2024	-		0.350	0.000	1.723	-

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Management Services (\$ 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			
Govt PM Support	WR	NAWCAD : Patuxent River, MD	1.941	0.934	Oct 2022	0.962	Oct 2023	0.962	Oct 2024	-		0.962	0.000	4.799	-
DISA	C/BA	NAVIDFOR : Suffolk, VA	0.040	0.020	Jun 2023	0.020	Jun 2024	0.020	Jun 2025	-		0.020	0.000	0.100	-
Prior Year (Management Services) costs no longer funded in FYDP	Various	Various : Various	0.239	0.000		0.000		0.000		-		0.000	0.000	0.239	-
Contractor Mgmt Support	C/CPFF	Stracon : California, MD	0.000	0.000		0.149	Mar 2024	0.151	Mar 2025	-		0.151	0.000	0.300	-
Subtotal			4.862	1.421		1.586		1.589		-		1.589	0.000	9.458	N/A

Remarks
 (1) FY25 increase (\$0.001M) Contract Eng Support Various, Various to account for inflation.
 (2) FY25 increase (\$0.002M) Stracon at California, MD to account for inflation.

	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	229.478	14.895	34.684	35.030	-	35.030	Continuing	Continuing	N/A

Remarks

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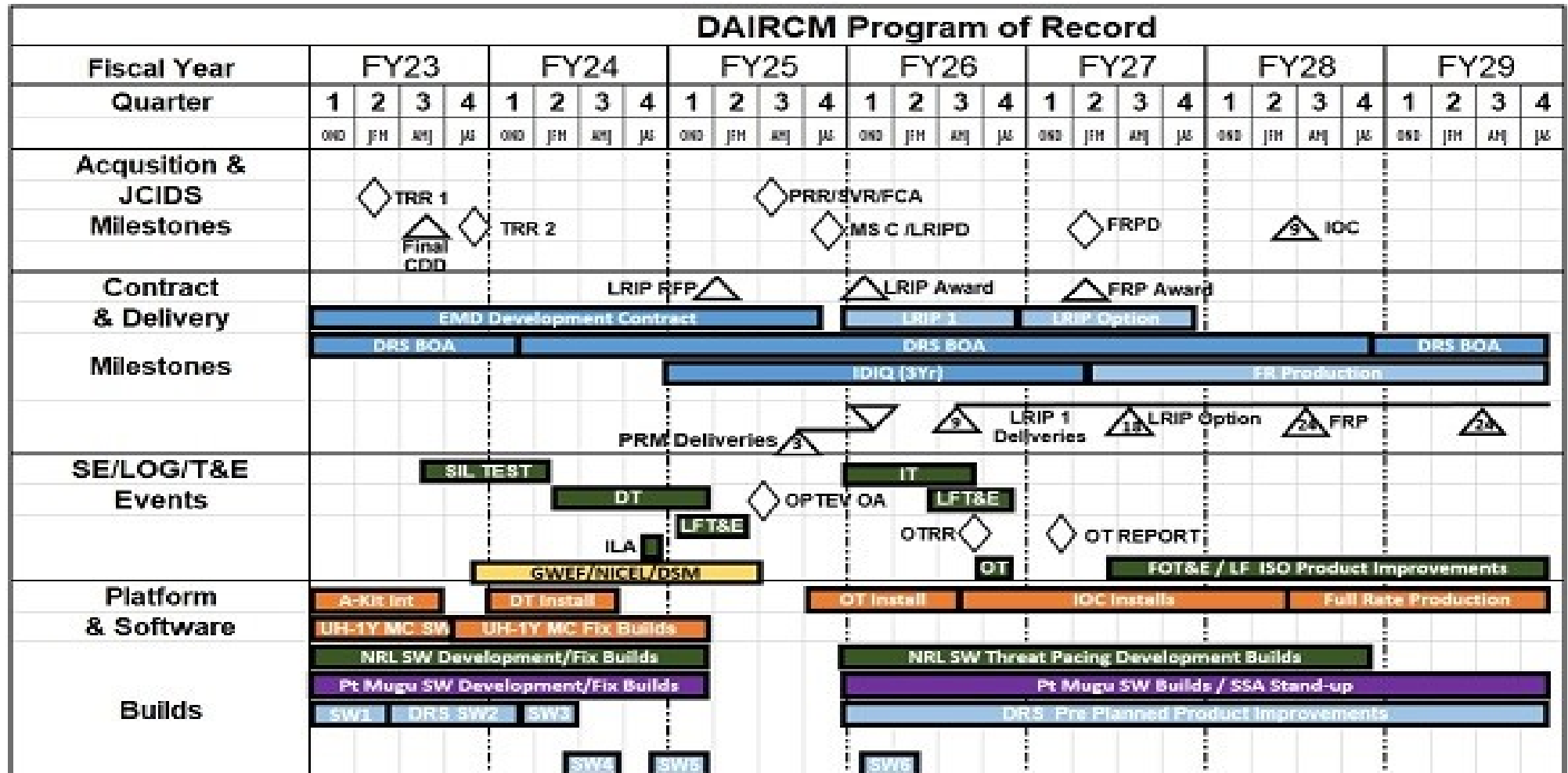
Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy

Date: March 2024

Appropriation/Budget Activity
1319 / 4

R-1 Program Element (Number/Name)
PE 0604272N / Tact Air Dir Infrared CM (TA
DIRCM)

Project (Number/Name)
3348 / DAIRCM Development



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

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
DAIRCM				
Acquisition Milestones: DAIRCM MSC Decision: Schedule Detail	4	2025	4	2025
Acquisition Milestones: Full-Rate Production Decision (FRPD): Schedule Detail	2	2027	2	2027
Acquisition Milestones: Initial Operational Capability (IOC): Schedule Detail	3	2028	3	2028
Acquisition Milestones: DAIRCM Test Readiness Review (TRR) IOT&E Gate: TRR 1	2	2023	2	2023
Acquisition Milestones: DAIRCM Test Readiness Review (TRR) IOT&E Gate: TRR 2	4	2023	4	2023
Acquisition Milestones: DAIRCM SVR/FC/A/PRR: Schedule Detail	3	2025	3	2025
Test and Evaluation: DAIRCM Development Flight Test: Schedule Detail	2	2024	1	2025
Test and Evaluation: DAIRCM Integrated Test (IT): Schedule Detail	1	2026	3	2026
Test and Evaluation: FY25 DAIRCM Live Fire Test & Evaluation (LFT&E): Schedule Detail	1	2025	2	2025
Test and Evaluation: DAIRCM Operational Test (OT): Schedule Detail	4	2026	4	2026
Test and Evaluation: FY26 DAIRCM LFT&E: Schedule Detail	3	2026	4	2026
Contract Milestones: DRS Basic Ordering Agreement (BOA): Schedule Detail	2	2024	2	2024
Contract Milestones: Low-Rate Initial Production (LRIP) Award: Schedule Detail	1	2026	1	2026
Contract Milestones: Full-Rate Production (FRP) Award: Schedule Detail	2	2027	2	2027
Deliveries: PRM Deliveries: Schedule Detail	4	2025	1	2026
Deliveries: LRIP Deliveries: Schedule Detail	3	2026	3	2028
Deliveries: FRP Deliveries: Schedule Detail	3	2028	4	2028

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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	23.169	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	23.169
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

FY 2023 Congressional Add: Tactical Aircraft Directable Infrared Countermeasure program (TADIRCM) for continued focus to develop and field the Distributed Aperture Infrared Countermeasure System (DAIRCM) for enhanced rotary aircraft survivability. DAIRCM is part of the long-term strategy for sustainable, cyber-secure aviation survivability against future battlefield threats and the funding request in fiscal year 2023 supports development of the program of record.

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

	FY 2023	FY 2024
Congressional Add: Distributed aperture infrared countermeasures	23.169	0.000
FY 2023 Accomplishments: Conduct developmental flight test and integrated flight test as well as continue software development required to correct deficiencies found in SIL and flight test events. Finalize SIL testing and lead platform A-kit integration. Install EDM systems into developmental flight test aircraft. Conduct test events in the Guided Weapons Evaluation Facility (GWEF) and the Navy Infrared Countermeasures Effectiveness Laboratory (NICEL) to assist in determining system effectiveness.		
FY 2024 Plans: N/A		
Congressional Adds Subtotals	23.169	0.000

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

<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025 Base</u>	<u>FY 2025 OCO</u>	<u>FY 2025 Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• RDTE/0604272N/3348: <i>TADIRCM/DAIRCM Development</i>	14.895	34.684	35.030	-	35.030	15.292	14.561	15.158	15.476	Continuing	Continuing
• APN/0576: <i>Distributed Aperture Infrared Countermeasures (DAIRCM)</i>	32.311	1.500	0.000	-	0.000	37.246	62.092	82.684	83.414	91.301	475.070

Remarks

APN/0576 represents one (1) OSIP (OSIP 018-17 Distributed Aperture Infrared Countermeasures (DAIRCM)) from the Common ECM Equipment budget. APN/0605 represents only a portion of the total Common ECM Mod Spares budget.

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604272N / <i>Tact Air Dir Infrared CM (TADIRCM)</i>	Project (Number/Name) 9999 / <i>Congressional Adds</i>

D. Acquisition Strategy

FY 2023 Congressional Add: Tactical Aircraft Directable Infrared Countermeasure program (TADIRCM).

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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 0604272N / Tact Air Dir Infrared CM (TA DIRCM)				9999 / Congressional Adds							
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
Primary HW Dev DAIRCM	C/CPFF	DRS Sysco : Melbourne, FL	0.000	21.856	Apr 2023	0.000		0.000		-		0.000	0.000	21.856	-
H-1 Operational Flight Program Dev	C/CPFF	Northrop Grumman : Woodland Hills, CA	0.000	0.733	Apr 2023	0.000		0.000		-		0.000	0.000	0.733	-
Govt Software Eng Support	C/CPFF	NRL : Washington, DC	0.000	0.075	Jun 2023	0.000		0.000		-		0.000	0.000	0.075	-
H-1 Operational Flight Program Dev	C/CPFF	Bell Tech : Fort Worth, TX	0.000	0.132	Jul 2023	0.000		0.000		-		0.000	0.000	0.132	-
Subtotal			0.000	22.796		0.000		0.000		-		0.000	0.000	22.796	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
Logistics Deliverables	SS/CPFF	RIAC : Ft. Belvoir, VA	0.000	0.158	May 2023	0.000		0.000		-		0.000	0.000	0.158	-
ESOH Support	SS/CPFF	RIAC : Ft. Belvoir, VA	0.000	0.032	Jun 2023	0.000		0.000		-		0.000	0.000	0.032	-
Subtotal			0.000	0.190		0.000		0.000		-		0.000	0.000	0.190	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
Developmental Test & Evaluation (DT&E)	WR	COTF : Various	0.000	0.080	Jun 2023	0.000		0.000		-		0.000	0.000	0.080	-
Subtotal			0.000	0.080		0.000		0.000		-		0.000	0.000	0.080	N/A

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

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604272N / Tact Air Dir Infrared CM (TA DIRCM)	Project (Number/Name) 9999 / Congressional Adds
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DAIRCM Congressional Add																																
Fiscal Year	FY23				FY24				FY25				FY26				FY27				FY28				FY29							
Quarter	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				
	OND	JFM	AMJ	JAS	OND	JFM	AMJ	JAS	OND	JFM	AMJ	JAS	OND	JFM	AMJ	JAS	OND	JFM	AMJ	JAS	OND	JFM	AMJ	JAS	OND	JFM	AMJ	JAS	OND	JFM	AMJ	JAS
Acquisition & JCIDS Milestones																																
Contract & Delivery Milestones	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; background-color: #ADD8E6; padding: 2px;">EMD Development Contract</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; background-color: #ADD8E6; padding: 2px;">DRS BOA</div> </div>																															
SE/LOG/T&E Events	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; background-color: #6B8E23; padding: 2px;">SIL TEST</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; background-color: #6B8E23; padding: 2px;">DT</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; background-color: #FFD700; padding: 2px;">ILA</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; background-color: #FFD700; padding: 2px;">GWEF/NICEL/DSM</div> </div>																															
Platform & Software Builds	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; background-color: #FF8C00; padding: 2px;">A-Kit Int</div> <div style="border: 1px solid black; background-color: #FF8C00; padding: 2px;">DT Install</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; background-color: #FF8C00; padding: 2px;">UH-1Y MC SW</div> <div style="border: 1px solid black; background-color: #FF8C00; padding: 2px;">UH-1Y MC Fix Builds</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; background-color: #6B8E23; padding: 2px;">NRL SW</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; background-color: #ADD8E6; padding: 2px;">DRS SW2</div> <div style="border: 1px solid black; background-color: #ADD8E6; padding: 2px;">SW3</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; background-color: #ADD8E6; padding: 2px;">SW4</div> <div style="border: 1px solid black; background-color: #ADD8E6; padding: 2px;">SW5</div> </div>																															

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604272N / <i>Tact Air Dir Infrared CM (TA DIRCM)</i>	Project (Number/Name) 9999 / <i>Congressional Adds</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
DAIRCM CONGRESSIONAL ADD				
Contract & Delivery Milestones: EMD Development Contract	3	2023	3	2025
Test and Evaluation: DAIRCM Development Flight Test	2	2024	1	2025