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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 0603582N / <i>Combat System Integration</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	489.414	17.773	18.610	20.135	-	20.135	20.814	21.156	21.614	22.081	Continuing	Continuing
0164: <i>Combat System Integration</i>	489.414	17.773	18.610	20.135	-	20.135	20.814	21.156	21.614	22.081	Continuing	Continuing

A. Mission Description and Budget Item Justification

Chief of Naval Operations (CNO) created the Navy's Strike Force Interoperability (SFI) program in 1998 in response to critical shortfalls in the introduction of integrated and interoperable System of Systems (SoS) to deploying Strike Forces. Interoperability concerns still exist today as new systems are introduced to the Fleet, interoperating with older systems, and the complexity of the SoS integration has continued to increase. These programs mitigate SoS integration and interoperability issues by identifying critical shortfalls before the systems are released to the Fleet. Warfighters depend on these programs on a daily basis to remove or reduce the interoperability risk associated with the systems they are tasked to operate. Commander, Naval Sea Systems Command (COMNAVSEA) acts as management lead for Joint System Command (SYSCOM) system certification policy and guidance and certifies platforms for interoperability within the platform and throughout the enterprise, in accordance with Commander, US Fleet Forces Command/Commander, Pacific Fleet COMUSFLTFORCOM/COMPACFLT) Ins. 4720.3C dated 18 SEP 2017 (C5ISR Modernization Policy). COMUSFLTFORCOM/COMPACFLT INST. 4720.3C also requires that COMNAVSEA act as administrative agent for Naval Information Forces (NAVIFOR) Command and Control, Communications, Computers, Combat Systems, Intelligence, Surveillance and Reconnaissance Modernization Process (C5IMP), and execution agent for Navy Command and Control, Communications, Computers, Combat Systems, Intelligence, and Surveillance and Reconnaissance Modernization Council (NCMC). This program conducts Interoperability Assessments that are required to certify Aircraft Carriers, Amphibious Assault Ships, and Surface Combatants in accordance with the Naval Warfare System Certification Policy (NWSCP) NAVSEAINST 9410.2A, NAVAIR 5230.20, AND SPAWAR 5234.1). The SFI program ensures overall Strike Force Interoperability is characterized and assessed. COMNAVSEA is assigned central United States Navy (USN) responsibility for interoperability, directing the development of policy and architecture for Strike Force Warfare Systems engineering and implementation of common warfare systems engineering processes.

There are three priorities within the Strike Force Interoperability Program:

- (1) Support Fleet "as-is" state which includes Navigation System Certification (NAVCERT), Strike Group Interoperability (SGI) Capabilities & Limitations (CAPS&LIMS), and Interoperability Tactical Information Coordinator Technical Aids (TIC TECHAIDs). These functions provide the critical review, assessment and documentation to properly inform the warfighter of the status of the interoperability for the systems they operate.
- (2) Support Ship's system modernization (non-HME) including warfighting capability & other C5I upgrades including C5IMP Baseline Management. These functions ensure the warfighter is provided integrated and interoperable fielded systems to fulfill mission success.
- (3) Support Ship Warfare System Certification & Force Level Assessments. This includes Warfare Systems Certification, Interoperability Certification, Force Level Interoperability Analysis, & Assessments, Cybersecurity Assessments and recommendations for improvements to the program offices for implementation at the systems'

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PE 0603582N / *Combat System Integration*

level. This critical function provides the confidence to the warfighter they are getting the best possible systems and that through the certification process the systems have been properly tested and assessed to ensure the best possible interoperability.

Project 0164 Combat System Integration:
This project consists of four key Pillars executed within the Strike Force Interoperability (SFI) Program:

- (1) Command & Control, Communications, Computer, Combat Systems, Intelligence, Surveillance and Reconnaissance (C5ISR) Modernization Process (C5IMP). The C5IMP validates the introduction of new systems and upgrades to existing systems into the fleet and ensures systems' maturity prior to shipboard installation thereby reducing risk and enhancing readiness and effectiveness of deploying ships and strike groups.
- (2) Warfare Systems Certification (WSCERT), which is essential to validating the maturity and operational performance of warfare systems prior to Fleet delivery and deployment.
- (3) The integrated Navigation System Certification (NAVCERT) program certifies the shipboard integrated navigation suite for safe navigation using the Electronic Charting and Display Information System Navy (ECDIS-N) as the primary plot. To support Strike Force Interoperability and ship's mission requirements, it ensures that the installed integration navigation suite provides accurate and timely navigation information (position, velocity, speed, heading, roll, and pitch) to all navigation data consumers (Warfare/Weapons Systems, Control Systems, and precision approach and landing systems). This ensure the safe maneuver of naval forces to execute missions throughout the full spectrum of conflict.
- (4) Interoperability Certification and Assessment (IOP C&A) is the critical independent assessment of strike group warfare systems operational performance. Interoperability assessment examines force level engagement threads, aircraft control, air battle management, and operational displays to ensure the warfighter is being provided the most interoperable systems available. Assessments of deploying ships in strike force configurations are accomplished through the use of the Navy's Distributed Integration and Interoperability Assessment Capability (DIIAC) which supports the Deputy Assistant Secretary of the Navy (DASN) "shift to the left" policy by providing early interoperability testing in the acquisition lifecycle. It is a Commander, U.S. Fleet Forces Command (CFFC) and Commander U.S. Pacific Fleet (COMPACFLT) requirement that all strike forces undergo interoperability assessment testing in the DIIAC prior to deployment. The support for DASN and requirements of the combatant commander cannot be accomplished without the full funding of these programs. Interoperability characterization results are used to develop fleet tactical tools (Capabilities & Limitations (C&L) documentation and Tactical Information Coordinator Technical Aids (TIC TECHAIDS)) on which the warfighters rely daily, that ensure that systems' operators understand the interoperability capabilities and limitations of their combat systems, as well as all units within the networked architecture, and have the watch station tools necessary for the execution of their tactical responsibilities. These are Fleet desired and NAVSEA required programs that must be fully funded to ensure the warfighter awareness of Strike Force Interoperability.

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B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	18.236	18.610	18.369	-	18.369
Current President's Budget	17.773	18.610	20.135	-	20.135
Total Adjustments	-0.463	0.000	1.766	-	1.766
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.020	0.000			
• SBIR/STTR Transfer	-0.443	0.000			
• Program Adjustments	0.000	0.000	1.684	-	1.684
• Rate/Misc Adjustments	0.000	0.000	0.082	-	0.082

Change Summary Explanation

FUNDING CHANGES SINCE PREVIOUS PRESIDENT'S BUDGET:

- FY23 net decrease of \$0.463M reflects the Small Business Innovative Research (SBIR) transfer of (\$-0.463M).
- FY25 net increase of \$1.766M reflects a miscellaneous rate adjustment (\$0.082M) and program adjustments (\$1.684M).

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Appropriation/Budget Activity 1319 / 4					R-1 Program Element (Number/Name) PE 0603582N / <i>Combat System Integration</i>				Project (Number/Name) 0164 / <i>Combat System Integration</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
0164: <i>Combat System Integration</i>	489.414	17.773	18.610	20.135	-	20.135	20.814	21.156	21.614	22.081	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Project 0164: Combat System Integration:

This project consists of four key Pillars executed within the Strike Force Interoperability (SFI) Program:

- (1) Command & Control, Communications, Computer, Combat Systems, Intelligence, Surveillance and Reconnaissance (C5ISR) Modernization Process (C5IMP). The C5IMP validates the introduction of new systems into the fleet and ensures systems' maturity prior to shipboard installation thereby reducing risk and enhancing readiness and effectiveness of deploying ships and strike groups.
- (2) Warfare Systems Certification (WSCERT), which is essential to validating the maturity and operational performance of warfare systems prior to Fleet delivery and deployment.
- (3) The integrated Navigation System Certification (NAVCERT) program certifies the shipboard integrated navigation suite for safe navigation using the Electronic Charting and Display Information System Navy (ECDIS-N) as the primary plot. To support Strike Force Interoperability and ship's mission requirements, it ensures that the installed integration navigation suite provides accurate and timely navigation information (position, velocity, speed, heading, roll, and pitch) to all navigation data consumers. This supports the following mission critical functions: pre-launch aircraft alignment, safe aircraft precision approach and landing operations, and accurate warfare/weapon systems targeting.
- (4) Interoperability Certification and Assessment (IOP C&A), the independent assessment of strike group warfare systems operational performance. Interoperability assessment examines force level engagement threads, aircraft control, air battle management, and operational displays. Assessments of deploying ships in strike force configurations are accomplished through the use of the Navy's Distributed Integration and Interoperability Assessment Capability (DIIAC) which supports the Deputy Assistant Secretary of the Navy (DASN) "shift to the left" policy by providing early interoperability testing in the acquisition lifecycle. It is a Commander, U.S. Fleet Forces Command (CFFC) and Commander U.S. Pacific Fleet (COMPACFLT) requirement that all strike forces undergo interoperability assessment testing in the DIIAC prior to deployment. Interoperability certification results are used to develop fleet tactical tools (Capabilities & Limitations (C&L) documentation and Tactical Information Coordinator Technical Aids (TIC TECHAIDS)), that ensure that systems' operators understand the interoperability capabilities and limitations of their combat systems and have the watch station tools necessary for the execution of their tactical responsibilities.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Navigation System Certification (NAVCERT)	1.395	1.385	1.367	0.000	1.367

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p align="right">Articles:</p> <p>Description: Modern warfare systems installed in US Navy ships require accurate position and time to achieve required effects. At the strike force level, accurate position and time are required to enable interoperability of warfighting systems of systems. The Integrated Navigation Suite Certification (NAVCERT) pillar of SFI certifies the accuracy of ship's position information and verifies that it is properly distributed to sensors and weapons systems installed in US Navy ships. Certification is required at five-year intervals, following Chief of Naval Operations Availabilities greater than six months, in support of Precision Approach and Landing System (PALS) certification, or when configuration changes have been made to the ship's baseline integrated navigation suite. Certification testing verifies the accuracy of sensors that determine heading, velocity, attitude, and position; and validates receipt of navigation data by all consuming systems including Integrated Warfare (or Mission) Systems, Aircraft Inertial Alignment System, and Control Systems. The scope of the certification includes all inertial navigation system equipment as well as the Electronic Chart Display and Information System - Navy (ECDIS- N). Forecasting out year NAVCERT requirements is based on the projection of expiring certifications, scheduled maintenance availabilities, and modernization of installed integrated navigation systems. Wherever possible, the program leverages integrated navigation suite modernization efforts to reduce overall program costs.</p> <p>FY 2024 Plans: Conduct 25 scheduled NAVCERTS on USN Surface Ships. Continue to minimize costs by leveraging test results from conjunctive alterations to navigation systems during modernization periods, wherever possible.</p> <p>FY 2025 Base Plans: Conduct 26 scheduled NAVCERTS on USN Surface Ships. Continue to minimize costs by leveraging test results from conjunctive alterations to navigation systems during modernization periods, wherever possible.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Funding decrease due to shared NAVCERT costs with PMW170 in FY25 based on the Global Positioning System (GPS)-based Positioning, Navigation, and Timing Service (GPNTS) installation schedule.</p>	-	-	-	-	-
<p>Title: Command , Control, Communications, Computers, Combat Systems, Intelligence, Surveillance and Reconnaissance (C5ISR) Modernization Process (C5IMP)</p> <p align="right">Articles:</p>	2.296 -	2.360 -	2.331 -	0.000 -	2.331 -

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p>Description: Achieving and maintaining Strike Force Interoperability requires disciplined engineering, system integration, and configuration management at both the platform (ship or shore station) and strike force level (Carrier Strike Group/ Amphibious Readiness Group). The Command, Control, Communications, Computers, Combat Systems, Intelligence, Surveillance, Reconnaissance (C5ISR) Modernization Program (C5IMP) pillar of SFI ensures deploying strike force ships receive modernized and interoperable warfighting capabilities in order to meet theater operational requirements. This project funds engineering assessments of proposed C5I capability improvements to determine maturity for installation as well as technical and schedule risk associated with proposed hardware and software changes. This project directly supports requirements of the Fleet C5I Modernization Policy (per COMUSFLTFORCOM/COMPACFLT Inst. 4720.3) which assigns responsibilities to NAVSEA 05H to assess operational risks associated with C5ISR modernization in both afloat and ashore units in support of the Optimized Fleet Response Plan (OFRP). The deliverables of this project are created by determining the maturity, through engineering analysis, of the critical linchpins needed to achieve interoperability for each proposed C5IMP capability improvement item to be installed in a ship's baseline, developing installation recommendations of C5I system upgrades for the Fleet Commanders, and researching and analyzing installation or operating problems. This includes a review of Warfare System Ship Change Documents (SCDs). Failure to achieve required maturity for one system that is part of an interoperable warfare system package can prevent this system from being installed, thus breaking the capability planned for the entire original warfare package, which will impact Strike Group warfighting capabilities. There is close coordination with the FLTCDRs and TYCOMs as well as other members of the C5IMP community to address, coordinate, and resolve C5IMP modernization issues thereby reducing risk and enhancing readiness and effectiveness of deploying ships and strike groups. Focus is on key milestones such as Baseline Locking Events (BLEs) and Planned Not Authorized (PNA) reviews, and SG/ARG Analysis Reports which are Fleet required events. The BLEs, PNA Reviews, and SG/ARG Analysis Reports are the primary work products in the C5IMP process. Additionally, due to emerging warfighting requirements and the development of required hardware and software changes between CNO Availability periods, an electronic change control board has been developed (BFI-CCB) to facilitate the request, review and approval of proposed Baseline changes..</p> <p>Forecasting C5ISR requirements and schedules is based on the projection of ships' operating/maintenance schedules at the particular point in time. Due to changing operational needs, these schedules frequently change causing availability extensions, deferrals, cancellations, or delays. The supporting C5IMP/C5ISR schedules must adjust accordingly, resulting in regular modifications to the numbers of events/requirements projected for C5IMP/ C5ISR from period to period. C5ISR Configuration Control is maintained and updated continuously for every ship. Maintenance of the Afloat Master Planning System (AMPS) data for the approximately 285 active Battle</p>					

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p>Force ships, along with establishing initial configurations for the New Construction ships entering the Fleet each year is essential and a major effort. This data is extracted and formatted to develop the BLE and PNA Review presentations which enable the Fleet commanders and TYCOMs to make informed modernization decisions. Additionally, numerous data calls are requested each month to answer configuration queries and perform studies utilizing AMPS data. CUSFFC/CPF Instruction 4720.3C designates NAVSEA 05H4 as the executing agent for the two NCMCs held each year. This requires C5IMP personnel to make all logistical and administrative arrangements for the 150+ attendees, collect and present all briefs, set up VTC and phone centers for remote attendees, and maintain all associated records for these councils. Fleet Commanders, TYCOMs, SYSCOMs and supporting personnel gather at NCMCs to discuss advance plans, coordinate near term modernization plans, coordinate shore and shipboard installations to ensure support prior to deployments, resolve schedule issues and establish priorities. Action items are recorded and tracked by NAVSEA, and major issues are reported to a joint FFC/CPF flag/SES panel.</p> <p>FY 2024 Plans:</p> <p>(1) Facilitate reviews, assessments, and execution of C5ISR installations during 75 CNO Availabilities.</p> <p>(2) Review approximately 850 warfare system Ship Change Documents. Assess impact to Interoperability. Create and maintain database entries for approximately 1,400 new software and hardware upgrades to be entered and tracked in the Afloat Master Planning System (AMPS), the fleets authoritative database for C5I modernization.</p> <p>(3) Support two (2) NCMCs</p> <p>(4) Support twelve (12) Monthly Baseline Locking Events where 64 Ships' Baselines will be reviewed and locked by the respective Fleet Commander Representatives and twelve (12) monthly PNA Review Meetings where the PNA status of 57 ships will be reviewed.</p> <p>(5) Evaluate, comment on, and process approximately 2500 proposed Baseline changes via the Electronic Change Control Board process (BFI-CCB). These changes will include requests for addition of new hardware and software to ships, deletion from planned installations and TCD Waiver requests.</p> <p>(6) Establish initial warfare system baselines for 7 new construction ships.</p> <p>FY 2025 Base Plans:</p> <p>(1) Facilitate reviews, assessments, and execution of C5ISR installations during 76 CNO Availabilities.</p> <p>(2) Review approximately 850 warfare system Ship Change Documents. Assess impact to Interoperability. Create and maintain database entries for approximately 1,400 new software and hardware upgrades to be entered and tracked in the Afloat Master Planning System (AMPS), the fleets authoritative database for C5I modernization.</p>					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
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<p>(3) Support two (2) NCMCs</p> <p>(4) Support twelve (12) Monthly Baseline Locking Events where 63 Ships' Baselines will be reviewed and locked by the respective Fleet Commander representatives and twelve (12) monthly PNA Review Meetings where the PNA status of 53 ships will be reviewed.</p> <p>(5) Evaluate, comment on, and process approximately 2500 proposed Baseline changes via the Electronic Change Control Board process (BFI-CCB). These changes will include requests for addition of new hardware and software to ships, deletion from planned installations and TCD Waiver requests.</p> <p>(6) Establish initial warfare system baselines for 7 new construction ships.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Funding decrease due to a reduction in the number of ship baselines locked and ships requiring PNA review.</p>					
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<p>Title: Interoperability Certification and Assessment</p> <p align="right">Articles:</p> <p>Description: This warfare critical project funds interoperability assessments via the Distributed Integration & Interoperability Assessment Capability (DIIAC), the technical assessment of interoperable systems to meet mission requirements, the updating of Strike Group Capabilities and Limitations (C&L) and the updating of the Tactical Information Coordinator Technical Aids (TIC TECHAIDs). The project ensures NAVSEA/PEOs are delivering mature and interoperable warfare systems at the platform and Strike Group levels to the warfighter, with NAVSEA providing Strike Force interoperability certification and assessments. This project focuses on force-level impact of new systems and platforms under development. Interoperability Assessments of deploying ships in Strike Force configurations are accomplished through the utilization of the Navy's DIIAC, located at multiple Navy land-based sites located across the country and connected via networking technology, and that provides operational configurations for all naval combat systems. It is a U.S. Fleet Forces Command requirement that all Strike Forces undergo Interoperability Assessment Testing in the DIIAC prior to deployment. The DIIAC provides the only opportunity for comprehensive interoperability testing of combat system and C5I configuration items prior to shipboard delivery for operational use in surface combatant platforms and Strike Groups. DIIAC, with its ability to test systems in a Strike Group environment, is funded to support the warfare system's acquisition community to test their developmental items for interoperability. However, in this instance, while funds are provided to test the item in a Strike Group environment, funds are not provided for subsequent data analysis and risk assessment, as this is the cognizant acquisition program's responsibility. When the acquisition development is complete and corrections are made, DIIAC will then fund for the full interoperability</p>	11.749	12.480	14.083	0.000	14.083
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

characterization testing of the baseline to include the requisite warfare system interoperability analysis and risk assessments needed to support the Warfare Systems Certification Decision (WSCD).

Note, this effort also supports and feeds into the development of Fleet Products Tactical Tools such as Capabilities & Limitations (C&L) and Tactical Information Coordinator Technical Aids (TIC TECHAIDS), which are relied on daily to ensure that operators/warfighters understand the interoperability capabilities and limitations of their combat and C5I systems. C&Ls are published for all Strike Groups, Independent Deployers, and (when funded) their Coalition and Joint partners. TIC TECHAIDS are delivered to deploying Carrier Strike Groups (CSG's), Amphibious Ready Group (ARG's) and Independent Deployers prior to workups and then a final copy is provided prior to deployment. C&L and TIC TECHAIDS are the final report-out to Fleet operators/warfighters of the acquisition community's efforts. They are used on a daily basis and relied upon in every operational theater, as well as in every Navy and Joint Schoolhouse. Note, the DIIAC infrastructure is available, but not funded to support the surface Navy's participation in the Joint Testing Environments as well as the Maritime Theater Missile Defense (MTMD) Coalition Forces interoperability testing.

FY 2024 Plans:

- Conduct six (6) one-week Interoperability Land-Based test events including the following:
 - Development interoperability test to support for ACS Capability Package (CP) 22-1 (IaaS), 22-2, 24-1 and 24-2; DDG 51 Flight III ACS Baseline 10.0 and 10.0.1; ACS 5.4.1; SSDS 12.15 (both EASR and non-EASR configurations; FFG 62 (FFG 62 is currently planned but not resourced to support); LCS Lethality & Survivability (L&S) (LCS L&S is currently planned but not resourced to support)); and DDG 1000 Zumwalt CS (TSCE 9.5) (DDG 1000 is currently planned but not resourced to support)
 - Interoperability Characterization test for ACS CP 22-1 (IaaS) and 22-2, DDG 51 Flight III ACS Baseline 10.0; and SSDS 12.15 (both EASR and non-EASR configurations), LCS Lethality & Survivability (L&S) (LCS L&S is currently planned but not resourced to support), and DDG 1000 Zumwalt CS (TSCE 9.5) (DDG 1000 is currently planned but not resourced to support)
 - Certification Interoperability Risk assessment Brief for DDG 51 Flight III ACS Baseline 10.0; and SSDS 12.15 (both EASR and non-EASR configurations)
- Complete C&L and TIC TECHAIDS, normally a near constant yearly demand requirement, also address AEGIS Ashore. This will result in updates to Interoperability C&L for:
 - Twenty-six (26) Deploying Strike Groups (from a database containing two-hundred-forty-two (242) U.S. Surface Ships) and the aircraft for nine (9) Naval fixed wing Air Squadrons (covering F/A-18s, F-35, EA-18Gs, E-2Cs,

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p>E-2Ds), twenty-nine (29) Rotary Aircraft Squadrons (covering MH-60Ss, MH-60Rs), and fifteen (15) Patrol Aircraft Squadrons (covering P-3Cs and P-8As).</p> <p>-Produce Interoperability C&L platform files for around ninety (90) Coalition and twenty to thirty (20-30) Joint platforms to support major Fleet Exercises.</p> <p>3. Provide annual deliveries of Initial/Draft/Final TIC TECHAIDS to:</p> <p>-Six (6) Carrier Strike Groups (CSG's) forty-one (41) Ships</p> <p>-Five (5) Amphibious Ready Group's (ARG's) ten (10) Ships</p> <p>-Forty (40) BMD Ships</p> <p>-Fourteen (14) Forward Deployed Naval Force (FDFNF) Ships</p> <p>-Fifty-three (53) Independent Deploying Ships (CVN, CG, DDG, LCC and LCS)</p> <p>-Aegis Ashore Site (Romania and Poland)</p> <p>-Four (4) Fleet Area Control and Surveillance Facilities (FACSFAC's)</p> <p>-Nine (9) Fleet Maritime Operations Centers (MOC's) sites.</p> <p>-Support six (6) Interoperability Land-Based test events</p> <p>-Twelve (12) MK-VI Patrol Boats</p> <p>-Four (4) Fleet Area Control and Surveillance Facilities (FACSFAC's)</p> <p>-Nine (9) Fleet Maritime Operations Centers (MOC's) sites.</p> <p>-Twelve (12) U.S. Units for RIMPAC 2024 specific TIC TECHAIDS</p> <p><i>FY 2025 Base Plans:</i></p> <p>1. Conduct six (6) one-week Interoperability Land-Based test events including the following:</p> <p>-Development interoperability test to support for ACS Capability Package (CP) 24-1 and 24-2; DDG 51 Flight III ACS Baseline 10.0.1; ACS 5.4.1; LCS L&S, DDG 1000 Zumwalt CS (TSCE 10.0), and FFG 62</p> <p>-Interoperability Characterization test for ACS Capability Package (CP) 24-1 and 24-2; DDG 51 Flight III ACS Baseline 10.0.1; ACS 5.4.1; LCS L&S (LCS L&S is currently planned but not resourced to support), DDG 1000 Zumwalt CS (TSCE 10.0)(DDG 1000 is currently planned but not resourced to support), and FFG 62</p> <p>-Certification Interoperability Risk assessment Brief for ACS CP 24-1 and 24-2; DDG 51 Flight III ACS Baseline 10.0.1; ACS 5.4.1; LCS L&S (LCS L&S is currently planned but not resourced to support), and DDG 1000 Zumwalt CS (TSCE 10.0)(DDG 1000 is currently planned but not resourced to support)</p> <p>2. Complete C&L and TIC TECHAIDS, normally a near constant yearly demand requirement, also address AEGIS Ashore. This will result in updates to Interoperability C&L for:</p> <p>-Twenty Four (24) Deploying Strike Groups (from a database containing two-hundred fifty-one (251) U.S. Surface Ships) and the aircraft for nine (9) Naval fixed wing Air Squadrons (covering F/A-18s, F-35, EA-18Gs,</p>					

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Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0603582N / <i>Combat System Integration</i>	Project (Number/Name) 0164 / <i>Combat System Integration</i>
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p>E-2Cs, E-2Ds), twenty-nine (29) Rotary Aircraft Squadrons (covering MH-60Ss, MH-60Rs), and fifteen (15) Patrol Aircraft Squadrons (covering P-3Cs and P-8As).</p> <p>-Produce Interoperability C&L platform files for around eighty (80) Coalition and twenty to thirty (20-30) Joint platforms to support major Fleet Exercises.</p> <p>3. Provide annual deliveries of Initial/Draft/Final TIC TECHAIDS to:</p> <p>-Six (6) Carrier Strike Groups (CSG's) fifty-four (54) Ships</p> <p>-Five (5) Amphibious Ready Group's (ARG's) ten (10) Ships</p> <p>-Eighteen (18) BMD Ships</p> <p>-Twenty-eight (28) Forward Deployed Naval Force (FDNF) Ships</p> <p>-Sixty-four (64) Independent Deploying Ships (CVN, CG, DDG, LCC and LCS)</p> <p>-Aegis Ashore Site (Romania and Poland)</p> <p>-Four (4) Fleet Area Control and Surveillance Facilities (FACSFAC's)</p> <p>-Nine (9) Fleet Maritime Operations Centers (MOC's) sites.</p> <p>-Support six (6) Interoperability Land-Based test events</p> <p>-Twelve (12) MK-VI Patrol Boats</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Increase of 1.603 sustains current requirements with fact of life increases in FY25. Growth includes resources to characterize the force-level interoperability impact of combat systems updates on DDG 51 Flight III Aegis Baseline 10 and FFG 62 for new platforms in Interoperability Land-Based test events.</p>					
<p>Title: Warfare Systems Certification</p> <p align="right">Articles:</p> <p>Description: Strike Force Interoperability (SFI) begins with properly engineered warfare systems installed in US Navy Ships. The Warfare Systems Certification (WSCERT) pillar of SFI certifies that modernized warfare systems are ready for installation, properly installed, and meet warfighting mission area requirements, to include the systems' interoperability and functional integration within the Strike Force that enables successful mission accomplishment. It funds the collection and independent technical assessment of that interoperability and integration using empirically derived Objective Quality Evidence (OQE) that installed warfare systems meet required performance specifications. Using established evaluation criteria, the project assesses the maturity of proposed warfare system modernizations prior to installation and certifies readiness of modernized warfare systems for operational deployment in ships, either independently or as components of Carrier/Expeditionary</p>	2.333	2.385	2.354	0.000	2.354
	-	-	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy	Date: March 2024
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Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0603582N / <i>Combat System Integration</i>	Project (Number/Name) 0164 / <i>Combat System Integration</i>
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<p>Strike Groups. When evaluation criteria are not met, the program funds the development and approval of operational risk assessments. This includes conducting an analysis of all work-arounds documented in Tactics, Techniques, and Procedures (TTPs), Capabilities & Limitations (C&L), and Trouble Reports (TR) to ensure that aggregate deficiencies and work-arounds do not render the warfare system, to include the operator, ineffective.</p> <p>NAVSEA accomplishes these efforts through a sequential series of technical reviews that begin 18-36 months prior to a scheduled modernization of a ship's warfare system, which includes development of a Warfare System Certification Plans (WSCP), conduct of Warfare Systems Certification Readiness Reviews (WSCRR), conduct of Warfare Systems Installation Assessments (WSIA), and prior to deployment, conduct of a Warfare Systems Certification Decisions (WSCD).</p> <p>FY 2024 Plans: (1) Conduct Warfare Systems Certifications Events via analysis of seven (7) Technical Areas for Warfare System Installation Assessment technical areas and ten (10) Assessment Areas for Warfare System Certification Decision and associated critical technical issues for one hundred fourteen (114) ships, including efforts for approximately one hundred thirty (130) Warfare Systems Certification Events (WSIAs, and WSCDs) and development of twelve (12) WSCPs for applicable ship classes.</p> <p>FY 2025 Base Plans: (1) Conduct Warfare Systems Certifications Events via analysis of seven (7) Technical Areas for Warfare System Installation Assessment technical areas and ten (10) Assessment Areas for Warfare System Certification Decision and associated critical technical issues for one hundred seventeen (117) ships. Starting in FY25 this includes mission analysis efforts for approximately one hundred nine (109) Warfare Systems Certification Events (WSIAs, and WSCDs) and development of eight (8) WSCPs for applicable ship classes.</p> <p>FY 2025 OCO Plans: N/A</p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Decrease due to fewer ships undergoing Warfare Systems Certification in FY25.</p>					
Accomplishments/Planned Programs Subtotals	17.773	18.610	20.135	0.000	20.135

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy	Date: March 2024
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C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u> <u>Base</u>	<u>FY 2025</u> <u>OCO</u>	<u>FY 2025</u> <u>Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPN 2960: <i>ICSTF: Integrated Combat System Test Facility</i>	6.053	6.345	6.709	-	6.709	6.876	7.030	7.181	7.335	0.000	121.522

Remarks

D. Acquisition Strategy

RDTEN funding under this line supports independent certification of the integration of major capability upgrades acquired by Program Executive Offices (PEOs) into host Navy Platforms and Strike Forces. The RDTEN engineering and certification activities at field sites do not involve direct procurement of equipment or engineering services, and hence no acquisition strategy is required. The major capability upgrades evaluated under this program fall under their associated PEOs' acquisition strategies.

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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 0603582N / <i>Combat System Integration</i>	Project (Number/Name) 0164 / <i>Combat System Integration</i>
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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			
SF Requirements Engineering & Analysis	WR	NSWCs : DN/PHD/Corona	5.157	0.000		0.000		0.000		-		0.000	0.000	5.157	-
SF Requirements Engineering & Analysis	WR	Non-NSWCs : Various	5.295	0.000		0.000		0.000		-		0.000	0.000	5.295	-
Platform/Strike Force Certification	WR	NSWCs : DD/ICSTD/DN/Corona	39.732	0.000		0.000		0.000		-		0.000	0.000	39.732	-
Platform/Strike Force Certification	WR	Non-NSWCs : Various	27.843	0.000		0.000		0.000		-		0.000	0.000	27.843	-
Fleet Response Plan (FRP)	WR	NSWCs : DD/PHD/DN	27.030	0.000		0.000		0.000		-		0.000	0.000	27.030	-
Fleet Response Plan (FRP)	WR	Non-NSWCs : Various	3.793	0.000		0.000		0.000		-		0.000	0.000	3.793	-
Combat Systems Cert ISO Platform Cert	WR	NSWCs : DN/DD/PHD/Corona	24.640	0.000		0.000		0.000		-		0.000	0.000	24.640	-
Combat Systems Cert ISO Platform Cert	WR	Non-NSWCs : Various	1.853	0.000		0.000		0.000		-		0.000	0.000	1.853	-
C5IMP & Fleet Readiness	WR	NSWCs : PHD	23.904	2.474	Nov 2022	2.524	Nov 2023	2.492	Nov 2024	-		2.492	Continuing	Continuing	Continuing
C5IMP & Fleet Readiness	C/CPFF	Non-NSWCs : Various	1.430	0.365	Dec 2022	0.385	Dec 2023	0.380	Dec 2024	-		0.380	0.000	2.560	-
Warfare Systems Certification	WR	NSWCs : DD/Crane	19.525	0.270	Nov 2022	0.300	Nov 2023	0.296	Nov 2024	-		0.296	Continuing	Continuing	Continuing
Warfare Systems Certification	WR	Non-NSWCs : Various	3.500	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
CNI/Design Agent	SS/CPAF	General Dynamics : Not Specified	47.926	0.000		0.000		0.000		-		0.000	0.000	47.926	-
CNI/Software Engineering	WR	NSWC : Dahlgren	8.383	0.000		0.000		0.000		-		0.000	0.000	8.383	-
CNI/Test and Evaluation	WR	CDSA : Not Specified	3.922	0.000		0.000		0.000		-		0.000	0.000	3.922	-
CNI/Systems Engineering	WR	NSWC : PHD	2.645	0.000		0.000		0.000		-		0.000	0.000	2.645	-
CNI/Miscellaneous	WR	Various : Not Specified	7.529	0.000		0.000		0.000		-		0.000	0.000	7.529	-
OA Automated Test and Retest	WR	NSWCs : Various	17.500	0.000		0.000		0.000		-		0.000	0.000	17.500	-

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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 0603582N / <i>Combat System Integration</i>	Project (Number/Name) 0164 / <i>Combat System Integration</i>
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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
Contract Engineering Support	C/CPFF	Gryphon Technology : VA	41.315	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Contract Program Management Support	C/CPFF	Delta Resources Inc. : VA	9.452	0.365	Feb 2023	0.395	Feb 2024	0.390	Feb 2025	-		0.390	0.000	10.602	-
Travel	Allot	NAVSEA HQ : Washington, DC	2.461	0.024	Jan 2023	0.024	Feb 2024	0.024	Feb 2025	-		0.024	0.000	2.533	-
Interoperability Fixes	WR	NSWCs : Various	1.500	0.000		0.000		0.000		-		0.000	0.000	1.500	-
TIC TECHAIDS	WR	CSC : VA	0.000	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Warfare Systems Cybersecurity	WR	NSWCs : PHD, Dahlen & Corna	5.408	0.000		0.000		0.000		-		0.000	0.000	5.408	-
Capabilities & Limitations	WR	NSWCs : PHD	22.725	2.879	Nov 2022	3.397	Nov 2023	5.118	Nov 2024	-		5.118	0.000	34.119	-
Cybersecurity IA	C/CPFF	CSC : VA	0.544	0.000		0.000		0.000		-		0.000	0.000	0.544	-
Contract Engineering Support	C/CPFF	Delta Resources Inc. : VA	11.848	3.860	Feb 2023	3.940	Feb 2024	3.889	Feb 2025	-		3.889	0.000	23.537	-
Subtotal			366.860	10.237		10.965		12.589		-		12.589	Continuing	Continuing	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	NSWCs : DD/ICSTF	5.736	0.000		0.000		0.000		-		0.000	0.000	5.736	-
Developmental Test & Evaluation (DT&E)	WR	NSWCs : DD/ SPAWAR/San Diego	26.804	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	WR	NIWC : Charleston, SC	17.261	1.396	Nov 2022	1.410	Nov 2023	1.391	Nov 2024	-		1.391	0.000	21.458	-
Developmental Test & Evaluation (DT&E)	WR	NSWCs : DD/DN/ SPAWAR	31.280	1.994	Jan 2023	2.025	Jan 2024	1.999	Jan 2025	-		1.999	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	WR	NSWCs : Various	12.623	0.000		0.000		0.000		-		0.000	0.000	12.623	-
Developmental Test & Evaluation (DT&E)	WR	NSWCs : DD/DN/ Corona	17.586	2.551	Nov 2022	2.590	Nov 2023	2.557	Nov 2024	-		2.557	0.000	25.284	-

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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 0603582N / <i>Combat System Integration</i>	Project (Number/Name) 0164 / <i>Combat System Integration</i>
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	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
COMBAT SYSTEM INTEGRATION																												
NAVCERT: FY25 Q1 NAVCERTs (3 DDGs, 1 LCS, 1 LHD) PLANNED																												
NAVCERT: FY25 Q2 NAVCERTs (2 CVNs, 5 DDGs, 1 LCS) PLANNED																												
NAVCERT: FY25 Q3 NAVCERTs (2 DDGs, 1 LPD, 1 MCM) PLANNED																												
NAVCERT: FY25 Q4 NAVCERT (1 CVN, 6 DDGs, 1 LPD, 1MCM) PLANNED																												
NAVCERT: FY23 Q1 NAVCERT (2 CVNs, 6 DDGs, 1 LCS, 2 LPDs, 3 LSDs, 1 PC) PLANNED	■																											
NAVCERT: FY23 Q2 NAVCERT (1 CG, 4 DDGs, 1 PC) PLANNED		■																										
NAVCERT: FY23 Q3 NAVCERT (2 CGs, 2 CVNs, 5 DDGs, 2 LCSs, 1 LHD, 1 LPD, 1 PC) PLANNED			■																									
NAVCERT: FY23 Q4 NAVCERT (1 CG, 1 CVN, 4 DDGs, 1 LHD) PLANNED				■																								
NAVCERT: FY24 Q1 NAVCERT (1 DDG, 2 LCSs, 1 LHD, 2 MCMs) PLANNED					■																							
NAVCERT: FY24 Q2 NAVCERT (1 CVN, 1 DDG, 2 LCSs, 1 LHA, 1 PC) PLANNED						■																						
NAVCERT: FY24 Q3 NAVCERT (1 DDG, 1 LCS) PLANNED							■																					
NAVCERT: FY24 Q4 NAVCERT(4 DDGs, 2 LCSs, 2 LHDs, 3 LPDs) PLANNED								■																				
C5IMP: FY25 C5IMP Monthly Baseline Lock (12/Year) (63 Ships)	■																											

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

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	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
C5IMP: FY25 NCMC - 1									■																			
C5IMP: FY25 NCMC - 2																												
C5IMP: FY25 SG/ARG Analysis Report (2/ Year - Presented at NCMC)													■	■	■	■												
C5IMP: FY25 PNA Reviews (12/Year) (53 Ships)													■	■	■	■												
C5IMP: FY25 BFI-CCB Review, comment on and process approximately 2500 proposed changes throughout the year.													■	■	■	■												
C5IMP: FY23 C5IMP Monthly Baseline Lock (12/Year) (64 Ships)	■	■	■	■																								
C5IMP: FY23 NCMC - 1		■																										
C5IMP: FY23 NCMC - 2				■																								
C5IMP: FY23 SG/ARG Analysis Report (2/ Year - Presented at NCMC)													■	■	■	■												
C5IMP: FY23 PNA Reviews (12/Year) (57 Ships)													■	■	■	■												
C5IMP: FY23 BFI-CCB Review,comment on and process approximately 2500 proposed changes throughout the year.													■	■	■	■												
C5IMP: FY24 C5IMP Monthy Basline Lock (12/Year) (64 Ships)													■	■	■	■												
C5IMP: FY24 NCMC -1																												
C5IMP: FY24 NCMC -2																												
C5IMP: FY24 SG/ARG Analysis Report (2/ Year - Presented at NCMC)													■	■	■	■												
C5IMP: FY24 PNA Reviews (12/Year 57 Ships)													■	■	■	■												

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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 0603582N / <i>Combat System Integration</i>	Project (Number/Name) 0164 / <i>Combat System Integration</i>
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	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
C5IMP: FY24 BFI-CCB Review,comment on and process approximately 2500 proposed changes throughout the year.																												
Interoperability Certification & Assessments: FY25 Event (25-1)																												
Interoperability Certification & Assessments: FY25 Event (25-2),(25-3)																												
Interoperability Certification & Assessments: FY25 Event (25-4)																												
Interoperability Certification & Assessments: FY25 Event (25-5),(25-6)																												
Interoperability Certification & Assessments: FY23 Event (23-1)																												
Interoperability Certification & Assessments: FY23 Event (23-2),(23-3)																												
Interoperability Certification & Assessments: FY23 Event (23-4)																												
Interoperability Certification & Assessments: FY23 Event (23-5),(23-6)																												
Interoperability Certification & Assessments: FY24 Event (24-1)																												
Interoperability Certification & Assessments: FY24 Event (24-4)																												
Interoperability Certification & Assessments: FY24 Event (24-2)(24-3)																												
Interoperability Certification & Assessments: FY24 Event (24-5)(24-6)																												
Warfare Systems Certification: FY25 Warfare Systems Cert (109 Certification Events + 8 WSCPs)																												

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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
COMBAT SYSTEM INTEGRATION				
NAVCERT: FY25 Q1 NAVCERTs (3 DDGs, 1 LCS, 1 LHD) PLANNED	1	2025	1	2025
NAVCERT: FY25 Q2 NAVCERTs (2 CVNs, 5 DDGs, 1 LCS) PLANNED	2	2025	2	2025
NAVCERT: FY25 Q3 NAVCERTs (2 DDGs, 1 LPD, 1 MCM) PLANNED	3	2025	3	2025
NAVCERT: FY25 Q4 NAVCERT (1 CVN, 6 DDGs, 1 LPD, 1MCM) PLANNED	4	2025	4	2025
NAVCERT: FY23 Q1 NAVCERT (2 CVNs, 6 DDGs, 1 LCS, 2 LPDs, 3 LSDs, 1 PC) PLANNED	1	2023	1	2023
NAVCERT: FY23 Q2 NAVCERT (1 CG, 4 DDGs, 1 PC) PLANNED	2	2023	2	2023
NAVCERT: FY23 Q3 NAVCERT (2 CGs, 2 CVNs, 5 DDGs, 2 LCSs, 1 LHD, 1 LPD, 1 PC) PLANNED	3	2023	3	2023
NAVCERT: FY23 Q4 NAVCERT (1 CG, 1 CVN, 4 DDGs, 1 LHD) PLANNED	4	2023	4	2023
NAVCERT: FY24 Q1 NAVCERT (1 DDG, 2 LCSs, 1 LHD, 2 MCMs) PLANNED	1	2024	1	2024
NAVCERT: FY24 Q2 NAVCERT (1 CVN, 1 DDG, 2 LCSs, 1 LHA, 1 PC) PLANNED	2	2024	2	2024
NAVCERT: FY24 Q3 NAVCERT (1 DDG, 1 LCS) PLANNED	3	2024	3	2024
NAVCERT: FY24 Q4 NAVCERT(4 DDGs, 2 LCSs, 2 LHDs, 3 LPDs) PLANNED	4	2024	4	2024
C5IMP: FY25 C5IMP Monthly Baseline Lock (12/Year) (63 Ships)	1	2025	4	2025
C5IMP: FY25 NCMC - 1	2	2025	2	2025
C5IMP: FY25 NCMC - 2	4	2025	4	2025
C5IMP: FY25 SG/ARG Analysis Report (2/Year - Presented at NCMC)	2	2025	4	2025
C5IMP: FY25 PNA Reviews (12/Year) (53 Ships)	1	2025	4	2025
C5IMP: FY25 BFI-CCB Review, comment on and process approximately 2500 proposed changes throughout the year.	1	2025	4	2025
C5IMP: FY23 C5IMP Monthly Baseline Lock (12/Year) (64 Ships)	1	2023	4	2023
C5IMP: FY23 NCMC - 1	2	2023	2	2023

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

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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
C5IMP: FY23 NCMC - 2	4	2023	4	2023
C5IMP: FY23 SG/ARG Analysis Report (2/Year - Presented at NCMC)	2	2023	4	2023
C5IMP: FY23 PNA Reviews (12/Year) (57 Ships)	1	2023	4	2023
C5IMP: FY23 BFI-CCB Review,comment on and process approximately 2500 proposed changes throughout the year.	1	2023	4	2023
C5IMP: FY24 C5IMP Monthly Basline Lock (12/Year) (64 Ships)	1	2024	4	2024
C5IMP: FY24 NCMC -1	2	2024	2	2024
C5IMP: FY24 NCMC -2	4	2024	4	2024
C5IMP: FY24 SG/ARG Analysis Report (2/Year - Presented at NCMC)	2	2024	4	2024
C5IMP: FY24 PNA Reviews (12/Year 57 Ships)	1	2024	4	2024
C5IMP: FY24 BFI-CCB Review,comment on and process approximately 2500 proposed changes throughout the year.	1	2024	4	2024
Interoperability Certification & Assessments: FY25 Event (25-1)	1	2025	1	2025
Interoperability Certification & Assessments: FY25 Event (25-2),(25-3)	2	2025	2	2025
Interoperability Certification & Assessments: FY25 Event (25-4)	3	2025	3	2025
Interoperability Certification & Assessments: FY25 Event (25-5),(25-6)	4	2025	4	2025
Interoperability Certification & Assessments: FY23 Event (23-1)	1	2023	1	2023
Interoperability Certification & Assessments: FY23 Event (23-2),(23-3)	2	2023	2	2023
Interoperability Certification & Assessments: FY23 Event (23-4)	3	2023	3	2023
Interoperability Certification & Assessments: FY23 Event (23-5),(23-6)	4	2023	4	2023
Interoperability Certification & Assessments: FY24 Event (24-1)	1	2024	1	2024
Interoperability Certification & Assessments: FY24 Event (24-4)	3	2024	3	2024
Interoperability Certification & Assessments: FY24 Event (24-2)(24-3)	2	2024	2	2024
Interoperability Certification & Assessments: FY24 Event (24-5)(24-6)	4	2024	4	2024
Warfare Systems Certification: FY25 Warfare Systems Cert (109 Certification Events + 8 WSCPs)	1	2025	4	2025

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

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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Warfare Systems Certification: FY23 Warfare Systems Cert (140 Certification Events + 20 WSCPs)	1	2023	4	2023
Warfare Systems Certification: FY24 Warfare Systems Cert (130 Certification Events + 12 WSCPs)	1	2024	4	2024