Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy	Date: March 2024
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604234N *I Advanced Hawkeye*

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	6,192.714	440.717	399.919	301.384	-	301.384	460.706	432.246	433.723	460.675	675.258	9,797.342
3051: *E-2D Adv Hawkeye*	6,109.188	421.410	399.919	301.384	-	301.384	460.706	432.246	433.723	460.675	675.258	9,694.509
9999: *Congressional Adds*	83.526	19.307	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	102.833

A. Mission Description and Budget Item Justification

The E-2D Advanced Hawkeye (AHE) program provides the Navy with a carrier-based airborne command and control platform, which is equipped with the APY-9 radar system, multiple communications systems for data and voice, and additional sensor systems. All of these systems are integrated into the aircraft via a computing infrastructure that is highly automated, which enables a highly trained crew of just 5 aviators to conduct battle management that would otherwise require several dozen personnel at multiple locations.

E-2D is a core pillar of theater and carrier strike group air defense and a key enabler to Joint long-range fires kill webs necessary to defeat the threats of our peer adversaries. Work has begun on upgrading the 25-year old computing architecture of the AHE that will allow the Navy to lead the Joint All Domain Command and Control (JADC2) efforts in any theater.

As production of the airplane winds down (final airframe procurement is scheduled for FY23), the threat continues to increase in both capability and capacity. The E-2D Research, Development, Test and Evaluation budget reflects the Navy's investment into the E-2D to ensure that the US maintains a tactical advantage over any adversary.
Efforts initiated in recent years ensure that the E-2D can outpace the threat, and include upgrades to the air vehicle, mission systems, datalinks, and sensors. The program integrates and tests these new capabilities, and provides Fleet concurrent training equipment upgrades. Subsequent to successful testing, new capabilities are delivered on a regularly scheduled basis, and are put together as a Delta System/Software Configuration (DSSC) package to ensure commonality and configuration control across the Fleet.

Among the other E-2D mission systems R&D efforts, there are 2 major initiatives that will ensure that the E-2D is ready & relevant into the coming decades. First, obsolete and failing components of the 15-year old cockpit design are being addressed by HECTR (Hawkeye Cockpit Technical Refresh), which ensures a higher safety margin for carrier landings after 8-12 hour sorties, and will substantially decrease sustainment costs over the lifecycle of the airplane. Second is TCID (Theater Combat Identification), which includes the upgrades to the 25-year old computing infrastructure mentioned above. TCID will bring Multi-Level Security and Cross-Domain solutions through an Open Mission System (OMS) Architecture. TCID is the key to establishing the CNO's vision for the Naval Operational Architecture and the Joint Chiefs' vision for JADC2. HECTR and TCID are planned for DSSC-6, FY28 delivery.

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy	Date: March 2024
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604234N *I Advanced Hawkeye*

JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under SYSTEM DEVELOPMENT AND DEMONSTRATION because it includes those projects that have passed Milestone B approval and are conducting engineering and manufacturing development tasks aimed at meeting validated requirement prior to full-rate production decision.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	487.281	399.919	402.751	-	402.751
Current President's Budget	440.717	399.919	301.384	-	301.384
Total Adjustments	-46.564	0.000	-101.367	-	-101.367
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-32.429	0.000			
• SBIR/STTR Transfer	-14.135	0.000			
• Program Adjustments	0.000	0.000	-100.035	-	-100.035
• Rate/Misc Adjustments	0.000	0.000	-1.332	-	-1.332

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2023	FY 2024
Project: 9999: *Congressional Adds*		
Congressional Add: *Radar modernization and testing*	19.307	0.000
Congressional Add Subtotals for Project: 9999	19.307	0.000
Congressional Add Totals for all Projects	19.307	0.000

Change Summary Explanation

Technical: Not applicable.

Funding:
The FY2025 funding request was decreased by -$104.035 million for other high priority program adjustments and -$1.332 million for miscellaneous rate adjustments and increased by $4.100 million for DSSC-6 E-2D HECTR and TCID efforts.

Schedule: Not applicable.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy												Date: March 2024
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604234N / *Advanced Hawkeye*				Project (Number/Name) 3051 / *E-2D Adv Hawkeye*			
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**
3051: *E-2D Adv Hawkeye*	6,109.188	421.410	399.919	301.384	-	301.384	460.706	432.246	433.723	460.675	675.258	9,694.509
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The DSSC build schedule is outlined below along with the capabilities that are planned to comprise each DSSC build.

DSSC-3.1 is comprised of the following capabilities:

1. Crypto Modernization/Frequency Remapping: The E-2D Multifunctional Information Distribution System/Joint Tactical Radio System (MIDS/JTRS) with concurrent Multi-netting will be integrated into the E-2D. This effort includes replacing the Multifunctional Information Distribution System-Low Volume Terminal (MIDS LVT) radio with MIDS/JTRS that has incorporated Link-16 concurrent Multi-netting (CMN-4) and replacing the JTIDS High Power Amplifier Group with a Link-16 High Power Amplifier which will address Crypto Modernization and Frequency Remapping.

2. Hybrid-Beyond Line of Sight (H-BLOS) Secret Internet Protocol Router Chat (SIPRChat) will provide a SIPR Network(SIPRNet)Chat capability via INMARSAT.

DSSC-4 is planned for operational test and Fleet release in FY23. DSSC-4 provides critical capabilities needed to outpace the threat and enables components of terminal defense. DSSC-4 is comprised of the following capabilities:

1. E-2D Navigation Warfare (NAVWAR) prevents loss of Global Positioning System (GPS) by using a Controlled Reception Pattern Antenna (CRPA) and antenna electronics (AE) unit which will function to provide GPS access in an Electronic Attack (EA) environment. NAVWAR significantly reduces the likelihood of loss of critical GPS Position, Navigation and Timing functionality that is fundamental to E-2D battlespace awareness and its contributions to multiple link networks. Without NAVWAR capability, the E-2D AHE will be unable to provide its services in GPS contested airspace, putting Navy units at unacceptable risk and hindering Joint operational flexibility. NAVWAR capability will allow the E-2D AHE to operate in areas where signal disruption and jamming would prohibit unprotected GPS reception. With this new capability, the E-2D AHE will be able to provide continuous operations in a degraded GPS environment for mission areas that depend on GPS for precise position, navigation, and timing.

2. The E-2D Multifunctional Information Distribution System/Joint Tactical Radio System (MIDS/JTRS)Tactical Targeting Networking Technology (TTNT) integrates Advanced Tactical Data Link functionality into the E-2D. This effort includes replacing the MIDS LVT radio with MIDS/JTRS that has incorporated Link-16 Concurrent Multi-Netting and TTNT. MIDS/JTRS TTNT is a key enabler for E-2D sensor netting capability in support of the NIFC mission. Conduct Communication-as-a-Service (CaaS) demonstration to support development of a solution for resilient communication paths of tactical information throughout the battlespace.

3. The fully integrated E-2D Secret Internet Protocol Router (SIPR) Chat capability will support integration of current collaboration tools including tactical "chat" (text) communications, real-time tasking, and Air Tasking Order distribution. Recent real world operations have demonstrated a migration of Command and Control communications from voice to Internet protocol based networks.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604234N / *Advanced Hawkeye*	**Project (Number/Name)** 3051 / *E-2D Adv Hawkeye*

4. The E-2D DSSC-4 Counter Electronic Attack (CEA) capability will allow the E-2D radar system to maintain performance in a hostile electromagnetic interference environment. CEA will ensure continuous E-2D effectiveness is maintained in an Electronic Attack environment supporting the NIFC capability and overall Navy and Joint Integrated Air and Missile Defense strategy.

5. DSSC-4 Naval Integrated Fire Control (NIFC) will incorporate software improvements to implement capabilities and performance needed to meet partial NIFC increment 3 requirements. This improvement will specifically improve From the Sea (FTS) performance. Additional details are classified.

DSSC-5 has an accelerated fleet release plan to fast-track fielding of capability in incremental drops in FY24, FY25, and FY26 vice the previous plan to field all DSSC 5 capability in FY25. DSSC-5 provides the capabilities necessary for E-2D to meet NIFC increment 3 requirements and includes the following capabilities:

1. DSSC-5.1 will provide a Counter Electronic Attack (CEA) capability which will allow the E-2D radar system to maintain performance in an advanced hostile intentional electromagnetic interference environment. CEA will ensure continuous E-2D effectiveness is maintained in an Electronic Attack environment supporting the NIFC capability and overall Navy and Joint Integrated Air and Missile Defense strategy.

2. DSSC-5.1 and 5.2 will provide phased E-2D Data Fusion Improvements for a fusion engine to blend on and off-board sensor derived track data (e.g. Electronic Surveillance, Satellite Receiver System data, Fighter to Fighter backlink data) with already blended radar, Identify Friend or Foe and Cooperative Engagement Capability track files, enhancing situational awareness and tactical decision making. Integrating Link-16 Network Participation Group 20 messages improves interoperability between E-2D and participating US Navy fighters, including 5th generation aircraft. This enhances the combat effectiveness of the E-2D, increases situational awareness and shortens kill-chain timeliness (including NIFC). Successful E-2D NIFC employment depends on a clear/unambiguous tactical picture.

3. DSSC-5.2 and 5.3 will provide phased E-2D Cooperative Engagement Capability (CEC) Signal Data Processor (SDP) processing capacity and cryptographic upgrades required to implement the NIFC capabilities integrated into DSSC 5. CEC utilizes the SDP to encrypt tactical data and control the antenna during transmission of the data. This capability will correct obsolescence deficiencies based on processors, encryption, and capacity and establish the baseline architecture for expanded capability in CEC. The fully integrated E-2D Communication-as-a-Service (CaaS) will enhance CEC improvements to ensure resilient communication paths for tactical information throughout the battlespace. CEC Block II capabilities will ensure continued interoperability with the rest of the carrier strike group, and enable new CEC capabilities necessary to counter expected advances in threat capabilities. Additional CEC improvements will provide Communication-as-a-Service (CaaS) solutions for resilient communication paths of tactical information throughout the battlespace. Initial integration of CEC Block II capabilities must be conducted on time to maintain interoperability and keep pace with expected threats.

4. DSSC-5.1, 5.2, and 5.3 will provide phased E-2D Sensor Netting capabilities which provide fusion of data from off-board sources via a high bandwidth network that will allow E-2D to support NIFC increment 3 requirements. Additional details are classified.

E-2D Stores Performance Assessment Requested Quality (SPARQ):

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604234N / *Advanced Hawkeye*	**Project (Number/Name)** 3051 / *E-2D Adv Hawkeye*

Due to budget constraints and reprioritization of efforts, E-2D Stores Performance Assessment Requested Quality (SPARQ) capabilities have been removed from the DSSC-5 build. These funds were reprioritized to higher development priorities that will be incorporated in a future DSSC build.

DSSC-6 is planned for operational test in FY28 and Fleet Release in FY29. DSSC-6 provides the capabilities necessary for E-2D to meet NIFC increment 3 requirements and is comprised of the following capabilities:

1. E-2D Hawkeye Cockpit Technical Refresh (HECTR) involves a redesign of critical components of the current E-2D Integrated Navigation Control and Display System (INCDS) driven by component obsolescence and fleet identified deficiencies. The effort includes the integration of these components with remaining cockpit hardware, integration of new software applications, and integration with TCID weapon system architecture. HECTR will bring a Required Navigation Performance Area Navigation (RNP RNAV) capability to the E-2D platform, to improve reliability, to address current human machine interface (HMI) deficiencies and to address obsolescence of the current cockpit. All current functions of the INCDS will be included in the HECTR cockpit, to include unique non-navigation functions such as landing gear and gross take-off weight, which are currently housed in the Avionics Flight Management Computer.

2. Theater E-2D Combat Identification (TCID) including Mission Computer Display re-architecture enables the E-2D to distribute longer range and more accurate Combat Identification data to the Carrier Strike Group (CSG). E-2D will receive National Technical Means (NTM) and tactical TCID data at all security levels and filter/distribute at the highest possible security levels to the tactical edge. Using the Open Mission Systems (OMS) design, the new mission computer architecture will provide multi-level security and cyber hardening provisions to support current and planned capabilities. The OMS design will allow faster integration of these capabilities required to pace the evolving threat. The fully integrated E-2D Communication-as-a-Service (CaaS) will enhance TCID improvements to ensure resilient communication paths for tactical information throughout the battlespace.

E-2D Survivability capabilities for the ALQ-217 Electronic Support Measures (ESM):

Due to budget constraints and reprioritization of efforts, E-2D Survivability capabilities for the ALQ-217 ESM capabilities have been removed from the DSSC-6 build. These funds were reprioritized to higher development priorities.

Aerial Refueling (AR) Capability:

AR capability allows the E-2D AHE to receive fuel from various organic and non-organic tanker aircraft. It provides Expanded Battle Space Surveillance and Targeting through significantly enhanced persistence and increased flexibility (range & endurance). AR enables the E-2D AHE to fully support current Carrier Strike Group /Joint 24/7 Theater Operations by providing more versatile stationing and/or forward basing options. Previous E-2D testing established operational envelopes for KC-10, KC-130, KC-135, KC-707, and F/A-18E/F aircraft under E-2 Squadrons, PE 0204152N. Future AR tanker testing will include qualification of KC46 and MQ25.

ESM E-2D capabilities for the ALQ-217:

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604234N / *Advanced Hawkeye*	**Project (Number/Name)** 3051 / *E-2D Adv Hawkeye*

E-2D AN/ALQ-217 Electronic Support Measures (ESM) integrates digital receiver and processing technology. The ALQ-217B digital ADRP addresses all known and imminent obsolescence issues in ALQ-217B Receiver/Processor. The replacement incorporates technical solutions to meet current and future mandates to support mission needs against evolving threats.

Counter Electronic Attack (CEA) capability:

E-2D CEA capability will allow the E-2D radar system to maintain performance in an advanced hostile electromagnetic interference environment. The E-2D CEA program will ensure continuous E-2D effectiveness is maintained in an Electronic Attack environment supporting the NIFC and long-range fires capability and overall Navy and Joint Integrated Air and Missile Defense strategy.

Software Support Activity:

Software Support Activity provides system requirements and integration in software development environments and software integration labs to support the E-2D software and hardware configurations. This includes software development tools, test tools, and hardware benches.
Details of this project are classified.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Air Vehicle	25.148	21.222	18.383	0.000	18.383
Articles:	-	-	-	-	-
Description: E-2D Air Vehicle improvements include the development of solutions to improve safety, structural integrity, and systems reliability of the E-2D aircraft. Improvements include analysis and redesign of structural components and components to minimize excessive and premature wear, increase reliability, improve existing design deficiencies, and respond to Fleet urgent operational requirements. The improvements will address known, predicted, and emergent obsolescence equipment issues. These efforts include, but are not limited to Aerial Refueling (AR), Improved Landing Mode (ILM) capabilities, airframe, engine, and electrical component improvements, full scale fatigue testing, and technology upgrades. Future AR tanker testing will include qualification of KC-130, KC46, and MQ25. Funding also includes the flight/engine hours that are necessary for design, development, validation and verification.					
FY 2024 Plans: E-2D will continue improvement efforts to maintain aircraft readiness. The program will continue to address known, predicted, and emergent obsolescence equipment issues, continuing efforts from prior years. The test program will complete fatigue testing achieving 20,000 Effective Flight Hours (EFH). Upon completion the test article will be dissembled and examined. The objectives are is to identify fatigue critical locations and					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604234N / *Advanced Hawkeye*	**Project (Number/Name)** 3051 / *E-2D Adv Hawkeye*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
demonstrate that the E-2D aircraft structure satisfy the programs service life requirement. Continue AR capability envelope expansion efforts. ***FY 2025 Base Plans:*** E-2D will continue improvement efforts to maintain aircraft readiness. The program will continue to address known, predicted and emergent obsolescence equipment issues. The Test Article amassed 23,000 Effective Flight Hours (EFH) with an increase in scope and the program has entered the Teardown phase whereas the test article will be dissembled and examined. The program will explore installation of an E-2D Rotodome Thermal Monitoring System and expand coupon panel testing. The objective is to reduce the number of required inspections and reduce the maintenance burden placed on the fleet maintainers. Continue AR capability envelope expansion efforts. ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Air Vehicle FY2024 to FY2025 decrease is due to the transition to teardown and inspection.					
Title: Mission Systems	193.432	238.000	144.894	0.000	144.894
Articles:	-	-	-	-	-
Description: E-2D Mission Systems improvements include development, integration, and testing of aircraft Mission Systems hardware/software updates and capability expansions to support aircraft avionics, displays, navigation, communication, electronic sensors, battle management, data fusion, system-of-systems, and countermeasure efforts. Efforts include continuous improvement of Mission Systems equipment and software in order to maintain mission availability for safe and reliable operations. Funding also includes development tools, test tools, and hardware benches in support of software environments and integration labs. Advanced system development and testing activities will address replacement components to address obsolescence, incorporate technical solutions to meet current and future mandates and standards, and incorporate improved technology to support evolving mission needs. Integration of Communication-as-a-Service (CaaS) to support future interoperability efforts. Studies and analyses will evaluate future capability expansions. Mission Systems efforts include, but are not limited to, Hawkeye Cockpit Technical Refresh (HECTR), improvements to/development of Communication Navigation and Identification Friend or Foe (CNI), Datalinks, Avionics, Mission System Software (MSS), Theater Combat Identification (TCID) mission computer, Naval Integrated Fire Control (NIFC), Data Fusion, Cooperative Engagement Capability (CEC) Signal Data Processor (SDP) Upgrade, battle management,					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604234N / *Advanced Hawkeye*	**Project (Number/Name)** 3051 / *E-2D Adv Hawkeye*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
technology upgrades, and emergent tactical requirements as they arise. DSSC-5.1, 5.2, and 5.3 accelerates the fleet release plan with agile development to fast-track fielding of capability in incremental drops in FY24, FY25, and FY26 vice the previous plan to field all DSSC 5 capability in FY25. ***FY 2024 Plans:*** Complete developmental efforts and begin integration for DSSC-5 Sensor Netting and Data Fusion solutions. Continue HECTR development. Continue development efforts for TCID, to include Mission computer and Display hardware, National Technical Means (NTM), Open Mission Systems (OMS) and Multi-level Security architecture, CaaS. Continue DSSC-5 CEC and SDP software and hardware efforts. Provide support of software development environments and integration labs required for E-2D software and hardware configurations. Systems engineering will support ongoing and emergent analysis and design/development/test efforts required to identify Engineering Change Proposal (ECP) requirements to respond to evolving and emergent threats, mission systems, communications systems, navigation equipment, and countermeasures. Evaluate future capability expansions via studies and analyses. ***FY 2025 Base Plans:*** Complete developmental and integration efforts for DSSC-5 Sensor Netting, transition DSSC 5 Sensor Netting second incremental build to E-2D Fleet. Complete DSSC-5 Data Fusion integration effort for fielding to the E-2D fleet. Complete DSSC-5 CEC and SDP software and hardware efforts. Continue DSSC-6 HECTR development. Continue development efforts DSSC-6 TCID, to include Mission computer and Display hardware, National Technical Means (NTM), Open Mission Systems (OMS) and Multi-level Security architecture, Communication as a Service (CaaS). Provide support of software development environments and integration labs required for E-2D software and hardware configurations. Systems engineering will support ongoing and emergent analysis and design/development/test efforts required to identify Engineering Change Proposal (ECP) requirements to respond to evolving and emergent threats to mission systems, communications systems, navigation equipment and countermeasures. Continue to support Advance Development efforts to demonstrate and evaluate new hardware and software capabilities for future aircraft integration. Evaluate future capability expansions via studies and analyses. ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:***					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604234N / *Advanced Hawkeye*	**Project (Number/Name)** 3051 / *E-2D Adv Hawkeye*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Mission Systems FY2024 to FY2025 decrease is due to program adjustments which shifted DSSC-6 TCID and HECTR hardware and software efforts to FY26 and FY27.					
Title: Sensors ***Articles:*** ***Description:*** E-2D Sensor Systems provide real-time situational awareness to Joint Force and Carrier Strike Group operations via active and passive detection capabilities. Sensor product upgrades provide real-time, on-scene improvements in the execution of early warning, battle management, and command and control missions. E-2D Sensor Systems improvements include development, integration, and testing of aircraft Sensor Systems hardware/software updates and capability expansions. Advanced system development and testing activities will address replacement components to address obsolescence, incorporate technical solutions to meet current and future mandates, and incorporate improved technology in of support mission needs against evolving threats. E-2D AN/ALQ-217 Electronic Support Measures (ESM) Theater Combat Identification (TCID) upgrade integrates digital receiver and processing technology, enabling the E-2D to locate, identify, and track current and future radars in combination with other ESM platforms across L-16 and Tactical Targeting Networking Technology (TTNT). The ESM upgrades bring increased processor capacity, sensor fidelity, and time accuracy. These capabilities will ensure the E-2D can perform its intended mission at locations required to support Naval and Joint force operations. Counter Electronic Attack (CEA) includes implementation of technologies developed by the Office of Naval Research. Studies and analyses will evaluate future capability expansions. ***FY 2024 Plans:*** N/A ***FY 2025 Base Plans:*** N/A ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** N/A	21.361 -	0.000 -	0.000 -	0.000 -	0.000 -
Title: Integration, Test, and Training ***Articles:*** ***Description:*** Funds the necessary E-2D integration, testing, and Fleet training equipment upgrades required to improve the E-2D weapon system capabilities to meet reliability and increase performance. Includes E-2D	181.168 -	140.697 -	138.107 -	0.000 -	138.107 -

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604234N / *Advanced Hawkeye*	**Project (Number/Name)** 3051 / *E-2D Adv Hawkeye*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
System Software Configuration (DSSC) integration, engineering risk reduction efforts, Developmental Test (DT), and Operational Test (OT). In order to improve E-2D resiliency in a cyber-warfare contested environment, concurrent program protection development and integration efforts for both cybersecurity and anti-tamper will be conducted to mitigate vulnerabilities in compliance with Risk Management Framework (RMF) processes, CyberSAFE certification and Authorities to Operate (ATO) for E-2D aircraft and labs. Efforts at the E-2D Systems Test and Evaluation Lab (ESTEL) include incorporating Live Virtual Construct (LVC) capabilities to support reducing test costs and schedule as well as to mitigate testing challenges with classified capabilities. Purchase support equipment necessary to meet reliability and increase performance requirements. Incorporate updated mission systems components into both E-2D test aircraft and ESTEL to ensure accurate testing of the E-2D weapons system. Update training devices concurrent with aircraft DSSC configurations which include development of E-2D Distributed Readiness Training (D-DRT) simulators that will allow training to incorporate the latest capabilities into the simulators as well as design, development and fielding of advanced training tactics.					
FY 2024 Plans: Funds provided to complete DSSC-5 DT. Continue development of the D-DRT simulator in support of DSSC-5 for training on advanced tactics and incorporate test articles for flight test and in the lab. Continue to incorporate E-2D Cyber warfare program protection needed to pace future threats for critical capabilities in support of DSSC builds. Continue Fleet training development for DSSC capabilities. Continue development of Norfolk aircrew training procedures. Continue to develop build LVC capabilities to provide the ability to replicate previous flight tests in the lab environment with captured data to include conducting live and/or virtual large scale test efforts.					
FY 2025 Base Plans: Funds provided to continue DSSC-5 DT and OT. Continue development of ESTEL DSSC-5 capabilities to support flight test. Finalize development of ESTEL DSSC 6 capabilities to support HECTR and TCID system integration and future DT. Continue to incorporate E-2D Cyber warfare program protection needed to pace future threats for critical capabilities in support of DSSC builds. Continue development of Fleet aircrew DSSC and system specific training procedures. Continue to develop and improve LVC capabilities to replicate previous flight events in the lab environment with captured inflight data and to support large scale System of System (SoS) test efforts. Continue to support Advance Development efforts to demonstrate and evaluate new hardware and software capabilities for future aircraft integration. Begin DSSC-6 fleet training development efforts.					
FY 2025 OCO Plans:					

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604234N / *Advanced Hawkeye*	**Project (Number/Name)** 3051 / *E-2D Adv Hawkeye*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** The FY2024 to FY2025 decrease is due to DSSC-6 development test and training efforts.					
Title: Classified DSSC Support	0.301	0.000	0.000	0.000	0.000
Articles:	-	-	-	-	-
FY 2024 Plans: N/A ***FY 2025 Base Plans:*** N/A ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** N/A					
Accomplishments/Planned Programs Subtotals	421.410	399.919	301.384	0.000	301.384

C. Other Program Funding Summary ($ in Millions)

Line Item	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/0195: *E-2D AHE*	1,407.727	182.817	197.669	-	197.669	22.244	0.000	0.000	0.000	1,554.952	20,719.575
• APN/0605: *Initial Spares - E-2*	2,047.417	2,451.244	2,094.242	-	2,094.242	2,301.803	2,592.493	2,456.412	2,405.334	Continuing	Continuing
• APN/0544: *E-2 Series*	188.791	183.246	148.060	-	148.060	154.917	103.882	198.962	203.721	895.325	4,205.425

Remarks

D. Acquisition Strategy

Milestone C Acquisition Strategy was approved by Milestone Decision Authority, Under Secretary of Defense for Acquisition, Technology and Logistics (USD(AT&L)) on 29 Dec 2008. Milestone C approval to proceed into Production and Deployment was given 11 June 2009 by USD (AT&L). Certification for entrance into Initial Operational Test & Evaluation was received on 06 Feb 2012. Full Rate Production Acquisition Strategy approved on 20 August 2012. Initial Operational Test & Evaluation concluded 1 October 2012. Successfully held a Defense Acquisition Board for Full Rate Production. Received a successful decision to enter into Full Rate Production on 01 March 2013. Initial Operational Capability achieved on 10 October 2014. The program updated the ACAT-1C Acquisition Strategy on 14 December 2016 to cover Multi-year procurement II and modernization.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604234N / *Advanced Hawkeye*	Project (Number/Name) 3051 / *E-2D Adv Hawkeye*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
AV - Primary Hardware-Fatigue/Aerial Refueling	Various	Northrop Grumman Corporation (NGC) : Melbourne, FL	381.482	19.595	Nov 2022	16.336	Nov 2023	13.364	Nov 2024	-		13.364	122.790	553.567	-
MS - Primary Hardware Dev - DSSC-6	Various	Navy Syst Mgt Activity : Arlington, VA	72.186	55.676	Dec 2022	113.298	Dec 2023	35.413	Dec 2024	-		35.413	564.350	840.923	-
MS - Primary Software Dev - DSSC-6	C/CPIF	Navy Syst Mgt Activity : Arlington, VA	21.477	18.045	Dec 2022	19.551	Dec 2023	20.504	Dec 2024	-		20.504	82.500	162.077	162.077
MS - Primary Software Dev - Advanced Development	C/CPFF	Navy Syst Mgt Activity : Arlington, VA	32.508	33.995	Dec 2022	21.257	Dec 2023	18.598	Dec 2024	-		18.598	606.013	712.371	712.371
Sensors - Primary Software - CEA	C/CPFF	Navy Syst Mgt Activity : Arlington, VA	23.841	14.040	Dec 2022	0.000		0.000		-		0.000	0.000	37.881	37.881
ITT - Training Development	SS/FFP	Rockwell Collins : Cedar Rapids, IA	53.819	14.283	Dec 2022	13.393	Dec 2023	28.592	Dec 2024	-		28.592	32.097	142.184	142.184
ITT - Training Development	SS/FFP	Lockheed Martin : New York, NY	0.000	3.000	Dec 2022	2.800	Dec 2023	6.000	Dec 2024	-		6.000	34.910	46.710	46.710
ITT - Training Development	C/CPFF	Navy Syst Mgt Activity : Arlington, VA	0.000	13.012	Dec 2022	7.668	Dec 2023	2.874	Dec 2024	-		2.874	9.000	32.554	32.554
ITT- Training Development - LVC	TBD	Various : Various	0.000	0.000		0.000		21.000	Jan 2025	-		21.000	115.611	136.611	-
ITT - Test Asset Upgrades	Various	Various : Various	52.285	35.436	Dec 2022	25.666	Dec 2023	0.000		-		0.000	0.000	113.387	-
Primary Software Dev - Various	Various	Navy Syst Mgt Activity : Arlington, VA	184.730	28.390	Dec 2022	27.114	Dec 2023	19.138	Dec 2024	-		19.138	68.316	327.688	-
System Engineering	Various	Various : Various	28.259	18.009	Dec 2022	18.362	Dec 2023	17.104	Dec 2024	-		17.104	89.356	171.090	-
Prior Year Prod Dev costs no longer funded in FYDP	Various	Various : Various	3,876.190	0.000		0.000		0.000		-		0.000	0.000	3,876.190	-
		Subtotal	4,726.777	253.481		265.445		182.587		-		182.587	1,724.943	7,153.233	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604234N / *Advanced Hawkeye*	**Project (Number/Name)** 3051 / *E-2D Adv Hawkeye*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract

Remarks

-Product development decrease reflects program adjustments which shifted DSSC-6 TCID and HECTR hardware and software efforts to FY26 and FY27.
New consolidated cost categories:
-New Air Vehicle (AV) Primary Hardware - Fatigue & Aerial Refueling includes Full Scale Fatigue Test and Aerial Refueling hardware
-New Mission Systems (MS) - DSSC-6 Hardware includes Theater Combat Identification (TCID) and Hawkeye Cockpit Technical Refresh (HECTR) hardware
-New Mission Systems (MS) - DSSC-6 Software includes Theater Combat Identification (TCID) software
-New Mission Systems (MS) - Advanced Development Software includes NIFC and SDP software efforts
-Sensors - Primary Hardware and Software Dev - ESM is consolidated into Prior Year cost; no longer in the FYDP
-ITT Primary Software Dev - Cyber cost is consolidated into Primary Software Dev - Various
-New ITT Training Development - LVC cost details broken out from ITT Training Development - Rockwell Collins cost category

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
MS -Software Development	C/CPFF	Navy Syst Mgt Activity : Arlington, VA	211.733	35.987	Dec 2022	27.722	Dec 2023	10.265	Dec 2024	-		10.265	100.792	386.499	386.499
Government Engineering Support	WR	Naval Air Warfare Center Aircraft Division (NAWCAD : Pax River, MD	214.404	22.594	Dec 2022	21.220	Dec 2023	20.055	Dec 2024	-		20.055	93.432	371.705	-
Government Engineering Support	Various	Various : Various	29.722	8.165	Dec 2022	5.661	Dec 2023	6.236	Dec 2024	-		6.236	16.207	65.991	-
Integrated Logistics Support	Various	Various : Various	37.753	10.511	Dec 2022	13.950	Dec 2023	11.949	Dec 2024	-		11.949	59.020	133.183	-
Contractor Engineering Support ETS	C/CPFF	Precise : Lexington Park, MD	8.628	1.728	Dec 2022	1.585	Dec 2023	1.392	Dec 2024	-		1.392	3.591	16.924	16.924
Prior Year Support costs no longer funded in FYDP	Various	Various : Various	218.980	0.000		0.000		0.000		-		0.000	0.000	218.980	-
Support Services	Various	NSMA : Arlingron, VA	0.000	0.251	Nov 2022	0.000		0.000		-		0.000	0.000	0.251	-
		Subtotal	721.220	79.236		70.138		49.897		-		49.897	273.042	1,193.533	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604234N / *Advanced Hawkeye*	Project (Number/Name) 3051 / *E-2D Adv Hawkeye*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract

Remarks

-Support cost decrease is due to the completion effort of the DSSC-5 build.
-New MS Software Development includes previous Sensor Netting (SN) and Data Fusion (DF) software efforts.

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (DT&E)	WR	NAWCAD : Pax River, MD	447.462	69.855	Nov 2022	44.450	Nov 2023	52.764	Nov 2024	-		52.764	361.813	976.344	-
Developmental Test & Evaluation (DT&E)	WR	NAWCWD : Pt.Mugu, CA	0.000	9.267	Nov 2022	8.073	Nov 2023	8.097	Nov 2024	-		8.097	48.500	73.937	-
Developmental Test & Evaluation (DT&E)	Various	Various : Various	81.773	3.908	Nov 2022	5.918	Nov 2023	2.431	Nov 2024	-		2.431	14.734	108.764	-
Operational Test & Evaluation (OT&E)	Various	Various : Various	25.397	5.013	Nov 2022	5.245	Nov 2023	4.888	Nov 2024	-		4.888	35.096	75.639	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	Various	Various : Various	101.568	0.000		0.000		0.000		-		0.000	0.000	101.568	-
		Subtotal	656.200	88.043		63.686		68.180		-		68.180	460.143	1,336.252	N/A

Remarks

-Test and Evaluation increase is due to the accelerated fleet release plan utilizing agile testing to fast-track fielding of capability in incremental drops in FY24, FY25, and FY26.

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Travel	Various	Various : Various	4.991	0.350	Oct 2022	0.350	Oct 2023	0.400	Oct 2024	-		0.400	2.490	8.581	-
Test Subject Matter Expect Support/Travel	Various	Various : Various	0.000	0.250	Oct 2022	0.300	Oct 2023	0.320	Oct 2024	-		0.320	1.990	2.860	-
Travel	WR	NSMA : Various	0.000	0.050	Nov 2022	0.000		0.000		-		0.000	0.000	0.050	-
		Subtotal	4.991	0.650		0.650		0.720		-		0.720	4.480	11.491	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604234N / *Advanced Hawkeye*	Project (Number/Name) 3051 / *E-2D Adv Hawkeye*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract

Remarks

-Management Services increase is due to the addition of multiple T&E Gray Flag test events conducted on an annual basis.

	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	6,109.188	421.410		399.919		301.384		-		301.384	2,462.608	9,694.509	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604234N / *Advanced Hawkeye*	**Project (Number/Name)** 3051 / *E-2D Adv Hawkeye*

PB25

E-2D Advanced Hawkeye

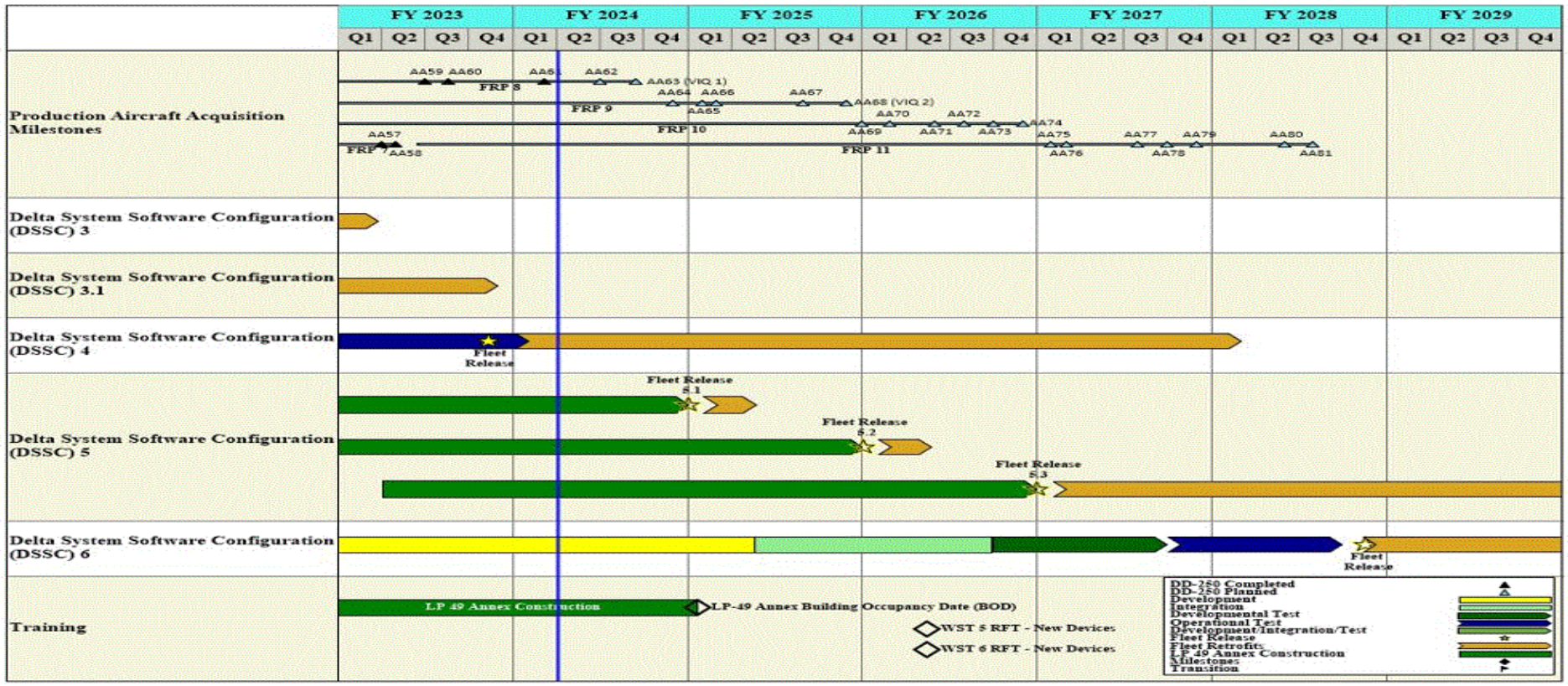

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604234N / *Advanced Hawkeye*	**Project (Number/Name)** 3051 / *E-2D Adv Hawkeye*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
E-2D Adv Hawkeye Delta Systems/Software Configuration (DSSC) Builds				
Development & Design: DSSC-6 Hardware & Software Development	1	2023	2	2025
Development & Design: DSSC-6 Systems Integration	2	2025	3	2026
Test & Evaluation: Developmental Test & Evaluation: DSSC-5 Capability Dev & Testing	1	2023	4	2026
Test & Evaluation: Developmental Test & Evaluation: DSSC-6 Capability Dev & Testing	3	2026	3	2027
Test & Evaluation: Operational Test & Evaluation: DSSC-4 Operational Test	4	2023	4	2023
Test & Evaluation: Operational Test & Evaluation: DSSC-4 Fleet Release	4	2023	4	2023
Test & Evaluation: Operational Test & Evaluation: DSSC-5.1 Fleet Release	4	2024	4	2024
Test & Evaluation: Operational Test & Evaluation: DSSC-5.2 Fleet Release	4	2025	4	2025
Test & Evaluation: Operational Test & Evaluation: DSSC-5.3 Fleet Release	4	2026	4	2026
Test & Evaluation: Operational Test & Evaluation: DSSC-6 Operational Test	4	2027	3	2028
Test & Evaluation: Operational Test & Evaluation: DSSC-6 Fleet Release	4	2028	4	2028
Test & Evaluation: Contract Awards: Production Milestones - FRP Lot XI CA	2	2023	2	2023
Test & Evaluation: Contract Awards: Production Milestones - FRP Lot XII CA	4	2023	4	2023
Deliveries: Production Deliveries - FRP VII (1 A/C)	2	2023	2	2023
Deliveries: Production Deliveries - FRP VII - (1 A/C)	2	2023	2	2023
Deliveries: Production Deliveries - FRP VIII - (1 A/C)	2	2023	2	2023
Deliveries: Production Deliveries - FRP VIII (1 A/C)	3	2023	3	2023
Deliveries: Production Deliveries - FRP VIII - (1A/C)	1	2024	1	2024
Deliveries: Production Deliveries - FRP VIII (1 A / C)	2	2024	2	2024
Deliveries: Production Deliveries - FRP VIII (1 A /C)	3	2024	3	2024

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604234N / *Advanced Hawkeye*	**Project (Number/Name)** 3051 / *E-2D Adv Hawkeye*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Deliveries: Production Deliveries - FRP IX (1 A/C) 64	4	2024	4	2024
Deliveries: Production Deliveries - FRP IX - (1 A/C) 65	1	2025	1	2025
Deliveries: Production Deliveries - FRP IX (1 A/C) 66	1	2025	1	2025
Deliveries: Production Deliveries - FRP IX (1 A/C) 67	3	2025	3	2025
Deliveries: Production Deliveries - FRP IX (1 A/C) 68	4	2025	4	2025
Deliveries: Production Deliveries - FRP X (1 A/C) AA-69	4	2025	4	2025
Deliveries: Production Deliveries - FRP X (1 A/C) AA-70	1	2026	1	2026
Deliveries: Production Deliveries - FRP X (1 A/C) AA-71	2	2026	2	2026
Deliveries: Production Deliveries - FRP X (1 A/C) AA-72	3	2026	3	2026
Deliveries: Production Deliveries - FRP X (1 A/C) AA-73	3	2026	3	2026
Deliveries: Production Deliveries - FRP X (1 A/C) AA-74	4	2026	4	2026
Deliveries: Production Deliveries - FRP XI (2 A/C) AA-75 and AA-76	1	2027	1	2027
Deliveries: Production Deliveries - FRP XI (1 - A/C) AA-77	3	2027	3	2027
Deliveries: Production Deliveries - FRP XI (1 A/C) AA-78	3	2027	3	2027
Deliveries: Production Deliveries - FRP XI (1 A/C) AA-79	4	2027	4	2027
Deliveries: Production Deliveries - FRP XII (1 - A/C) AA-80	2	2028	2	2028
Deliveries: Production Deliveries - FRP XII (1 A/C) AA-81	3	2028	3	2028

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy											Date: March 2024	
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604234N / *Advanced Hawkeye*				Project (Number/Name) 9999 / *Congressional Adds*			
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: *Congressional Adds*	83.526	19.307	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	102.833
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Note

Congressional Add. Program Increase for E-2D Advanced Hawkeye (AHE) radar development.

A. Mission Description and Budget Item Justification

Congressional Add. The E-2D Advanced Hawkeye and associated APY-9 radar meet the requirements specified in the Capabilities Development Document (CDD), including detection ranges, detection velocities, and tracking accuracies, verified through extensive developmental and operational flight testing and deployed operations. Program increase for E-2D advanced radar development to stay ahead of the evolving threat.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024
Congressional Add: Radar modernization and testing	19.307	0.000
FY 2023 Accomplishments: N/A		
FY 2024 Plans: N/A		
Congressional Adds Subtotals	19.307	0.000

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

Program increase to continue improving radar capability of the E-2D Hawkeye to stay ahead of the evolving threat. Planned investments in the E-2D, APY-9 radar and new antenna technology will continue to pace emerging threats.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604234N / *Advanced Hawkeye*	**Project (Number/Name)** 9999 / *Congressional Adds*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
System Engineering	C/FFP	Northrop Grumman Corporation (NGC) : Melbourne, FL	24.540	2.000	Nov 2023	0.000		0.000		-		0.000	0.000	26.540	25.240
System Engineering	Various	Various : Various	17.633	2.000	May 2024	0.000		0.000		-		0.000	0.000	19.633	16.276
System Engineering	C/CPFF	Navy Syst Mgt Activity : Arlington VA	5.517	0.000		0.000		0.000		-		0.000	0.000	5.517	6.017
System Engineering	C/CPFF	North Star Scientific Corp : Kapolei, HI	27.487	11.007	Aug 2024	0.000		0.000		-		0.000	0.000	38.494	24.437
System Engineering	C/CPFF	Massachusetts Institute of Tech Lincoln Lab : Lexington, MA	0.000	4.000	Sep 2023	0.000		0.000		-		0.000	0.000	4.000	-
		Subtotal	75.177	19.007		0.000		0.000		-		0.000	0.000	94.184	N/A

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Engineering	WR	SPAWAR : San Diego	0.116	0.000		0.000		0.000		-		0.000	0.000	0.116	-
Government Engineering	WR	NAWCAD : Pax River	2.398	0.300	Apr 2023	0.000		0.000		-		0.000	0.000	2.698	-
Software Development	C/CPFF	Navy Syst Mgt Activity : Arlington VA	4.428	0.000		0.000		0.000		-		0.000	0.000	4.428	8.428
		Subtotal	6.942	0.300		0.000		0.000		-		0.000	0.000	7.242	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604234N / *Advanced Hawkeye*	Project (Number/Name) 9999 / *Congressional Adds*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (DT&E)	WR	NAWCAD : Patuxent River, MD	1.407	0.000	Apr 2023	0.000		0.000		-		0.000	0.000	1.407	-
		Subtotal	1.407	0.000		0.000		0.000		-		0.000	0.000	1.407	N/A

	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	83.526	19.307		0.000		0.000		-		0.000	0.000	102.833	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604234N / *Advanced Hawkeye*	**Project (Number/Name)** 9999 / *Congressional Adds*

PB25

Advanced Radar – Congressional Add

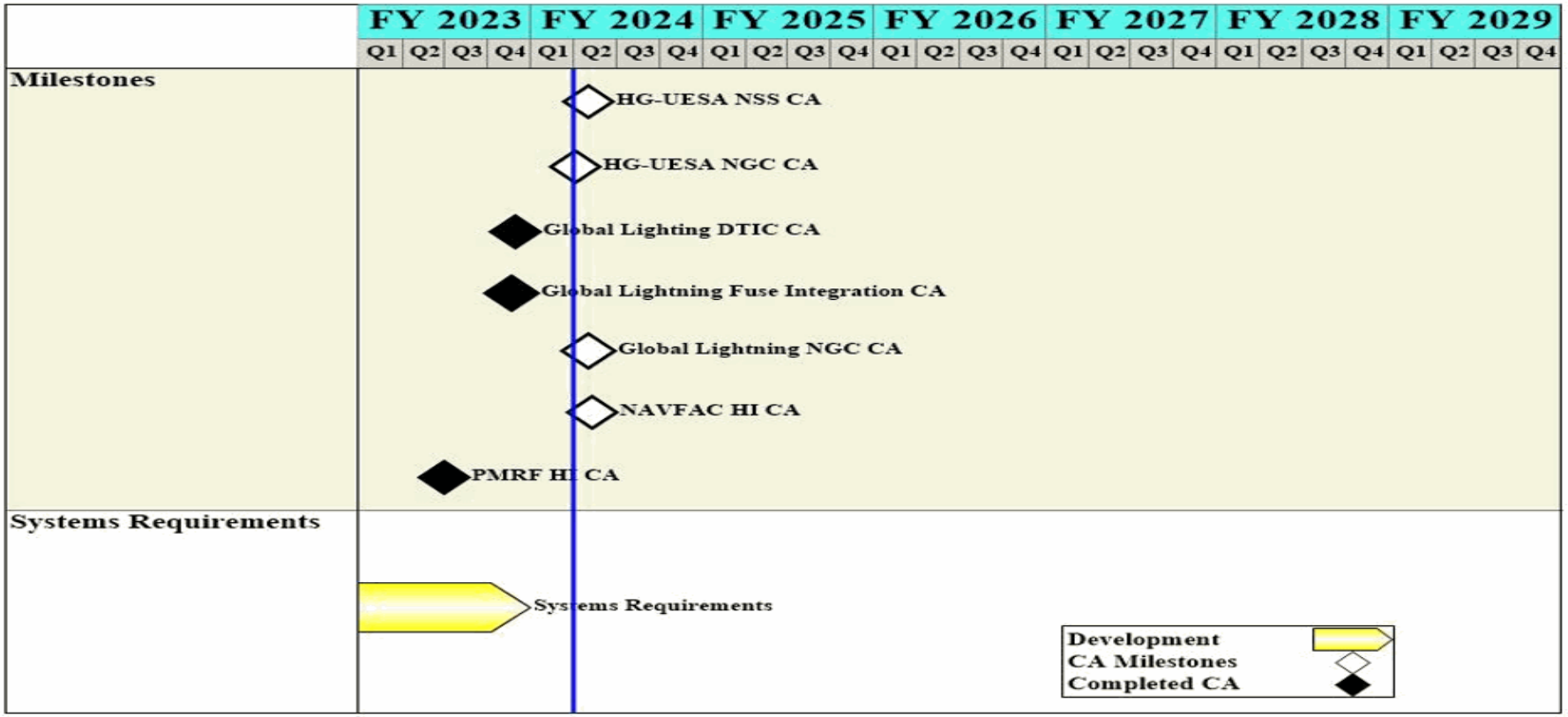

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604234N / *Advanced Hawkeye*	**Project (Number/Name)** 9999 / *Congressional Adds*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Advanced Radar Congressional Add				
Systems Development: Systems Requirements	1	2023	4	2024
Systems Development: Contract Awards: Production Milestones - Global Lighting DTIC	4	2023	4	2023
Systems Development: Contract Awards: Production Milestones - HGUESA 1 NSS	2	2024	2	2024
Systems Development: Contract Awards: Production Milestones - HGUESA 2 NGC	1	2024	1	2024
Systems Development: Contract Awards: Production Milestones - Pacific Missile Range Facility (PMRF) HI	3	2023	3	2023
Systems Development: Contract Awards: Production Milestones - Naval Facilities Engineering Command (NAVFAC) HI	1	2024	1	2024
Systems Development: Contract Awards: Production Milestones - Global Lighting Fuse Integration	4	2023	4	2023
Systems Development: Contract Awards: Production Milestones - Global Lighting NGC	1	2024	1	2024