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 0604522N *I Air & Missile Defense Radar (AMDR) System*

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	751.202	84.767	90.307	107.924	-	107.924	77.714	68.321	74.206	57.961	Continuing	Continuing
3186: *Air and Missile Defense Radar*	751.202	84.767	90.307	107.924	-	107.924	77.714	68.321	74.206	57.961	Continuing	Continuing

Program MDAP/MAIS Code:
Project MDAP/MAIS Code(s): P384

A. Mission Description and Budget Item Justification

The Air and Missile Defense Radar (AMDR) program consists of the AN/SPY-6(V) Family Of Radars (FoR):
- AN/SPY-6(V)1 (DDG 51 Arleigh Burke class Flight III guided missile destroyer)
- AN/SPY-6(V)2 (Nimitz class Carriers, America class LHA, and San Antonio class LPD)
- AN/SPY-6(V)3 (Ford class CVN, Constellation class FFG)
- AN/SPY-6(V)4 (DDG 51 Arleigh Burke class Flight IIA guided missile destroyer backfit)

AN/SPY-6(V)1 will provide multi-mission capabilities, simultaneously supporting both long range, exoatmospheric detection, tracking and discrimination of ballistic missiles, as well as Area and Self Defense against air and surface threats. For the Ballistic Missile Defense (BMD) capability, increased radar sensitivity and bandwidth over current radar systems are needed to detect, track and support engagements of advanced ballistic missile threats at the required ranges, concurrent with Area and Self Defense against Air and Surface threats. For the Area Air Defense and Self Defense capability, increased sensitivity and clutter capabilities are needed to detect, react to, and engage stressing Very Low Observable/Very Low Flyer (VLO/VLF) threats in the presence of heavy land, sea, and rain clutter. This effort provides for the development of an active phased array radar with the required capabilities to address the evolving threat. The AN/SPY-6(V) FoR will obtain performance and technology enhancements throughout their service life based upon an approach that includes modularity of hardware and software, a scalable design and Open Architecture (OA).

AN/SPY-6(V)2 and (V)3 (Enterprise Air Surveillance Radar (EASR) will provide multi-mission capabilities, simultaneously supporting Air Traffic Control (ATC), situational awareness, and ship self-defense against Air and Surface threats. For these missions, increased clutter capability, short-range detection and tracking, and special weather waveforms are needed. AN/SPY-6(V)3 is the primary air surveillance radar supporting ship self-defense, situational awareness and Air Traffic Control (ATC) for Ford class Carriers. For other ship classes, AN/SPY-6(V)2 is the primary radar for self-defense and situational awareness with the ancillary role of supporting ATC by resolving SPN-50 mast blockage for ATC.

AN/SPY-6(V)4 will provide Active Electronically-Steered Array (AESA) and digital beamforming technology for backfit to Flight IIA DDG. Backfit of SPY-6 technology on DDG 51 FLT IIA commences with non-recurring engineering efforts to scale the radar hardware and software; perform modeling and simulation to update the Concept of Operations (CONOPS), and enable SPY-6 Integrated Air and Missile Defense (IAMD) performance capabilities on FLT IIA DDGs.

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 0604522N *I Air & Missile Defense Radar (AMDR) System*

AN/SPY-6 Enhancements include Advanced Distributed Radar (ADR), High Efficiency High Powered Amplifier (HPA), Agnostic Signal Processing for Increased Radar Efficiency (ASPIRE) hardware development, second-source Radio Frequency (RF) Head, and Modeling and Simulation (M&S) in support of Combat System Test Beds, pivoting from software to hardware development, second-source Radio Frequency (RF) Head, and Modeling and Simulation (M&S) in support of Combat System Test Beds, pivoting from software to hardware upgrades in FY25.

ADR includes software enhancements that will enable multi-ship cooperative radar operations in order to support Distributed Maritime Operations (DMO) for the SPY-6 FoR. ADR transitions Receive Only Cooperative Radar (ROCR), Networked Cooperative Radar (NCR), and EMPIRE software capabilities from Office of Naval Research (ONR) to tactical development, implementation and testing. ADR software enhancements will increase radar detection performance for IAMD capabilities and enable operations with radars in receive-only mode in cooperation with other AN/SPY-6(V) radars. Agnostic Signal Processing for Increased Radar Efficiency (ASPIRE) effort will transition from ONR to address hardware options for more flexible digital beamforming, advanced signal processing, signal synthesizer architecture, and smaller digital receiver-exciter systems, resulting in efficiencies in radar size, weight, and power requirements as a key enabler to further enhance radar capabilities. HPA development will proceed and improve manufacturability and efficiency second source development to drive down costs. M&S efforts include support of Combat System and Enterprise Test Beds.

The FY25 funding request supports the following efforts:
SPY-6(V)1 integration efforts and associated development to support AEGIS Baseline 10 integration, advanced radar capability testing at the Advanced Radar Development Evaluation Laboratory (ARDEL), and integration with the AEGIS Virtual Test Environment (VTE). Integration efforts and associated development for AN/SPY-6(V)2 and (V)3 (Enterprise Air Surveillance Radar (EASR)) to integrate with Ship Self Defense System (SSDS) Baseline 12 and meet the performance requirements contained in the Battlespace Awareness Interface Control Document/Drawing (ICD). This includes continued testing at the Land Based Test Site and integration efforts with the SYY-1 Air Traffic Control System and Cooperative Engagement Capability. AN/SPY-6(V)4 FLT IIA backfit efforts will continue with ship integration planning, system-level requirements development, modeling and simulation in support of requirements development, and software development to modify S-Band product line code for (V)4 capabilities, start (V)4 developmental testing at ARDEL, and begin preparation for SPY-6(V)4 Power and Integration Test to occur in FY26. ADR efforts will be paused in order to prioritize other SPY-6 enhancement efforts including ASPIRE hardware development, manufacturing the first set of second-source RF Heads, development of the high efficiency HPA, and continued M&S efforts to support Combat System Test Beds.

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 0604522N *I Air & Missile Defense Radar (AMDR) System*

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	87.341	90.307	104.858	-	104.858
Current President's Budget	84.767	90.307	107.924	-	107.924
Total Adjustments	-2.574	0.000	3.066	-	3.066
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-2.574	0.000			
• Program Adjustments	0.000	0.000	2.364	-	2.364
• Rate/Misc Adjustments	0.000	0.000	0.702	-	0.702

Change Summary Explanation

FY23: Decrease of $2.574M for SBIR/STTR Transfer.

FY25: Net increase of $3.066M includes additional funding for SPY-6(V)4 land based testing in support of the DDG MOD 2.0 program through programmatic adjustments ($2.634M) and Miscellaneous Rate Adjustments ($.702M).

In order to prioritize DDG FLT IIA backfit efforts and other SPY-6 enhancements, ADR efforts have been removed from FY25.

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 0604522N / *Air & Missile Defense Radar (AMDR) System*				Project (Number/Name) 3186 / *Air and Missile Defense Radar*			
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**
3186: *Air and Missile Defense Radar*	751.202	84.767	90.307	107.924	-	107.924	77.714	68.321	74.206	57.961	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Project MDAP/MAIS Code: P384

A. Mission Description and Budget Item Justification

The Air and Missile Defense Radar (AMDR) program consists of the AN/SPY-6(V) Family Of Radars (FoR):
- AN/SPY-6(V)1 (DDG 51 Arleigh Burke class Flight III guided missile destroyer)
- AN/SPY-6(V)2 (Nimitz class Carriers, America class LHA, and San Antonio class LPD)
- AN/SPY-6(V)3 (Ford class CVN, Constellation class FFG)
- AN/SPY-6(V)4 (DDG 51 Arleigh Burke class Flight IIA guided missile destroyer backfit)

AN/SPY-6(V)1 will provide multi-mission capabilities, simultaneously supporting both long range, exoatmospheric detection, tracking and discrimination of ballistic missiles, as well as Area and Self Defense against air and surface threats. For the Ballistic Missile Defense (BMD) capability, increased radar sensitivity and bandwidth over current radar systems are needed to detect, track and support engagements of advanced ballistic missile threats at the required ranges, concurrent with Area and Self Defense against Air and Surface threats. For the Area Air Defense and Self Defense capability, increased sensitivity and clutter capabilities are needed to detect, react to, and engage stressing Very Low Observable/Very Low Flyer (VLO/VLF) threats in the presence of heavy land, sea, and rain clutter. This effort provides for the development of an active phased array radar with the required capabilities to address the evolving threat. The AN/SPY-6(V) FoR will obtain performance and technology enhancements throughout their service life based upon an approach that includes modularity of hardware and software, a scalable design and Open Architecture (OA).

AN/SPY-6(V)2 and (V)3 (Enterprise Air Surveillance Radar (EASR) will provide multi-mission capabilities, simultaneously supporting Air Traffic Control (ATC), situational awareness, and ship self-defense against Air and Surface threats. For these missions, increased clutter capability, short-range detection and tracking, and special weather waveforms are needed. AN/SPY-6(V)3 is the primary air surveillance radar supporting ship self-defense, situational awareness and Air Traffic Control (ATC) for Ford class Carriers. For other ship classes, AN/SPY-6(V)2 is the primary radar for self-defense and situational awareness with the ancillary role of supporting ATC by resolving SPN-50 mast blockage for ATC.

AN/SPY-6(V)4 will provide Active Electronically-Steered Array (AESA) and digital beamforming technology for backfit to Flight IIA DDG. Backfit of SPY-6 technology on DDG 51 FLT IIA commences with non-recurring engineering efforts to scale the radar hardware and software; perform modeling and simulation to update the Concept of Operations (CONOPS), and enable SPY-6 Integrated Air and Missile Defense (IAMD) performance capabilities on FLT IIA DDGs.

AN/SPY-6 Enhancements include Advanced Distributed Radar (ADR), High Efficiency High Powered Amplifier (HPA), Agnostic Signal Processing for Increased Radar Efficiency (ASPIRE) hardware development, second-source Radio Frequency (RF) Head, and Modeling and Simulation (M&S) in support of Combat System Test Beds,

pivoting from software to hardware development, second-source Radio Frequency (RF) Head, and Modeling and Simulation (M&S) in support of Combat System Test Beds, pivoting from software to hardware upgrades in FY25.

ADR includes software enhancements that will enable multi-ship cooperative radar operations in order to support Distributed Maritime Operations (DMO) for the SPY-6 FoR. ADR transitions Receive Only Cooperative Radar (ROCR), Networked Cooperative Radar (NCR), and EMPIRE software capabilities from Office of Naval Research (ONR) to tactical development, implementation and testing. ADR software enhancements will increase radar detection performance for IAMD capabilities and enable operations with radars in receive-only mode in cooperation with other AN/SPY-6(V) radars. Agnostic Signal Processing for Increased Radar Efficiency (ASPIRE) effort will transition from ONR to address hardware options for more flexible digital beamforming, advanced signal processing, signal synthesizer architecture, and smaller digital receiver-exciter systems, resulting in efficiencies in radar size, weight, and power requirements as a key enabler to further enhance radar capabilities. HPA development will proceed and improve manufacturability and efficiency second source development to drive down costs. M&S efforts include support of Combat System and Enterprise Test Beds.

The FY25 funding request supports the following efforts:
SPY-6(V)1 integration efforts and associated development to support AEGIS Baseline 10 integration, advanced radar capability testing at the Advanced Radar Development Evaluation Laboratory (ARDEL), and integration with the AEGIS Virtual Test Environment (VTE). Integration efforts and associated development for AN/SPY-6(V)2 and (V)3 (Enterprise Air Surveillance Radar (EASR)) to integrate with Ship Self Defense System (SSDS) Baseline 12 and meet the performance requirements contained in the Battlespace Awareness Interface Control Document/Drawing (ICD). This includes continued testing at the Land Based Test Site and integration efforts with the SYY-1 Air Traffic Control System and Cooperative Engagement Capability. AN/SPY-6(V)4 FLT IIA backfit efforts will continue with ship integration planning, system-level requirements development, modeling and simulation in support of requirements development, and software development to modify S-Band product line code for (V)4 capabilities, start (V)4 developmental testing at ARDEL, and begin preparation for SPY-6(V)4 Power and Integration Test to occur in FY26. ADR efforts will be paused in order to prioritize other SPY-6 enhancement efforts including ASPIRE hardware development, manufacturing the first set of second-source RF Heads, development of the high efficiency HPA, and continued M&S efforts to support Combat System Test Beds.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: AN/SPY-6(V)1 DESIGN, SUPPORT, INTEGRATION, TEST AND EVALUATION (CONTRACTOR)	29.106	20.555	28.524	0.000	28.524
Articles:	-	-	-	-	-
FY 2024 Plans: - Continue to provide system engineering and Software (SW) support for combat system integration efforts - Continue risk reduction testing at Advanced Radar Development Evaluation Laboratory (ARDEL), including refinement of radar operation functions (calibration, fault detection/fault isolation, environmental adaptation), improving electronic protection capabilities, and continue data collection on ballistic missile defense targets of opportunity - Support execution and data analysis of DT/OT events					

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 0604522N / *Air & Missile Defense Radar (AMDR) System*	**Project (Number/Name)** 3186 / *Air and Missile Defense Radar*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
- Support Objective Quality Evidence (OQE) collection and documentation for Initial Operational Capability (IOC) ***FY 2025 Base Plans:*** - Continue to provide system engineering and Software (SW) support for combat system integration efforts, including increased defect correction following first phase of Initial Operational Test and Evaluation (IOT&E) for IOC and preparation for OT events for Integrated Air and Missile Defense Key Performance Parameter (IAMD KPP) - Continue risk reduction testing at Advanced Radar Development Evaluation Laboratory (ARDEL), including refinement of radar operation functions (calibration, fault detection/fault isolation, environmental adaptation), improving electronic protection capabilities, and continue data collection on ballistic missile defense targets of opportunity - Support execution and data analysis of Developmental Testing / Operational Testing (DT/OT) events - Support Operational Test and Evaluation (T&E) Objective Quality Evidence (OQE) collection, analysis, and documentation ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase aligns with anticipated ramp of IOT&E activities for IAMD.					
Title: AN/SPY-6(V)1 DESIGN, SUPPORT, INTEGRATION, TEST AND EVALUATION (GOVERNMENT)	5.657	4.059	5.293	0.000	5.293
Articles:	-	-	-	-	-
FY 2024 Plans: - Continue to direct and lead independent technical assessments - Continue support for combat system integration and DDG Flt III integration efforts - Continue risk reduction testing at ARDEL on remaining mission area requirements - Coordinate combined AMDR/DDG Flt III DT/OT events and generate documentation for IOC ***FY 2025 Base Plans:*** - Continue to direct and lead independent technical assessments - Continue support for combat system integration and DDG Flt III integration efforts - Continue risk reduction testing at ARDEL on remaining mission area requirements					

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 0604522N / *Air & Missile Defense Radar (AMDR) System*	**Project (Number/Name)** 3186 / *Air and Missile Defense Radar*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
- Continue to coordinate combined AMDR/DDG Flt III DT/OT events in support of ongoing IOT&E, including an increased focus on IAMD KPP related events ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase aligns with anticipated ramp of IOT&E activities for IAMD.					
Title: AN/SPY-6(V)1 TEST AND EVALUATION ASSETS AND FACILITIES	3.457	3.449	1.076	0.000	1.076
Articles:	-	-	-	-	-
FY 2024 Plans: - Continue refresh/replacement of infrastructure at PMRF test site, including facility power architecture - Continue to maintain PMRF test site - Continue to provide PMRF range services in support of risk reduction testing at ARDEL - Continue to provide engineering services in support of risk reduction testing at ARDEL ***FY 2025 Base Plans:*** - Continue to provide Pacific Missile Range Facility (PMRF) range services in support of risk reduction testing at ARDEL - Continue to provide engineering services in support of risk reduction testing at ARDEL ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease is due to transition to Operation and Sustainment Phase.					
Title: ENGINEERING CHANGES/CAPABILITY ENHANCEMENTS AND BACK FIT	14.194	38.315	46.640	0.000	46.640
Articles:	-	-	-	-	-
FY 2024 Plans: ADR Efforts: - Continue system-level requirements development - Continue modeling and simulation activities in support of requirements development - Conduct In Process Review (IPR) 1 - Commence systems engineering in support of software development					

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 0604522N / *Air & Missile Defense Radar (AMDR) System*	**Project (Number/Name)** 3186 / *Air and Missile Defense Radar*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
- Commence combat system integration requirements generation - Manage risks and associated mitigation plans - Continue to support technology transition activities AN/SPY-6(V)4 Backfit: - Continue software development (scale (V)1 capabilities for DDG Mod) - Continue system engineering in support of software development - Continue modeling and simulation activities in support of software development - Manage risks and associated mitigation plans - Commence ship integration planning - Generate test plan - Conduct In Process Review (IPR) 3					
FY 2025 Base Plans: AN/SPY-6(V)4 Backfit: - Generate test procedures and commence coordination of test event resources - Continue software development (scale (V)1 capabilities for DDG Mod/SPY-6(V)4) - Continue system engineering in support of software development - Continue modeling and simulation activities in support of software development - Continue to manage risks and associated mitigation plans - Continue ship integration planning - Conduct IPR 4 - Conduct planning and implement test site changes for SPY-64(V)4 Power and Integration Test - Begin SPY-6(V)4 developmental testing at ARDEL SPY-6 Enhancements: - Conduct Agnostic Signal Processing for Increased Radar Efficiency (ASPIRE) efforts with focus on hardware prototype development - Support building and testing of the initial lot of RF Head second-source units sufficient to populate a SPY-6 Radar Module Assembly (RMA) - Complete development of High Efficiency High Powered Amplifiers - Conduct updates and deliver radar simulation tools in support of Combat System and Enterprise Test Beds					
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 0604522N / *Air & Missile Defense Radar (AMDR) System*	**Project (Number/Name)** 3186 / *Air and Missile Defense Radar*

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:*** Increase is associated with planning/conducting SPY-6(V)4 land based testing in support of DDG 91 and DDG MOD 2.0 program.					
Title: PROGRAM MANAGEMENT	2.809	2.815	2.292	0.000	2.292
Articles:	-	-	-	-	-
FY 2024 Plans: - Continue to assist in cost, schedule, and performance management, contract management and oversight, earned value assessment and risk identification and mitigation - Continue to provide support to Integrated Product Team (IPTs) and Working Groups (WGs) required to support for Design Agent activities (I&PS contract and follow-on) - Continue to provide support to combat system integration efforts - Continue support to IPTs and WGs required to support Hardware Production and Sustainment (HP&S) contract ***FY 2025 Base Plans:*** - Continue to assist in cost, schedule, and performance management, contract management and oversight, earned value assessment and risk identification and mitigation - Continue to provide support to IPTs and WGs required to support for Design Agent activities (I&PS contract and follow-on) - Continue to provide support to combat system integration efforts - Continue support to IPTs and WGs required to support HP&S contract ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease aligns with planned development efforts.					
Title: AN/SPY-6(V)2 and (V)3 DESIGN, SUPPORT, INTEGRATION, TEST AND EVALUATION (CONTRACTOR)	27.405	18.858	22.014	0.000	22.014
Articles:	-	-	-	-	-
FY 2024 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 0604522N / *Air & Missile Defense Radar (AMDR) System*	**Project (Number/Name)** 3186 / *Air and Missile Defense Radar*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
- Continue radar system engineering support to design Cross Product Teams (CPTs) for trade requirements generation and trace, and modeling and simulation for Combat System (CS) integration efforts with Ship Self Defense System (SSDS) combat system - Continue radar software development for CS integration efforts with SSDS combat system - Continue testing at Wallops Island and in-plant, including refinement of Air Traffic Control support, radar operation functions, improving air warfare and electronic protection capabilities, combat system land-based test events, and carrier power risk reduction testing - Continue to support operation of radar emulator at Combat System Engineering Agent (CSEA) lab in Moorestown, NJ, including combat system integration test support ***FY 2025 Base Plans:*** - Increased testing at Wallops Island and in-plant, including refinement of Air Traffic Control support, radar operation functions, improving air warfare and electronic protection capabilities, combat system land-based test events, and carrier power risk reduction testing - Continue radar system engineering support to design Cross Product Teams (CPTs) for trade requirements generation and trace, and modeling and simulation for Combat System (CS) integration efforts with Ship Self Defense System (SSDS) combat system - Continue radar software development and defect correction for CS integration with SSDS combat system - Continue to support operation of radar emulator at Combat System Engineering Agent (CSEA) lab in Moorestown, NJ, including combat system integration test support - Support for test plan development, review, execution, and post event analysis ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase is due to additional development and risk reduction associated with lead ships.					
Title: AN/SPY-6(V)2 and (V)3 DESIGN, SUPPORT, INTEGRATION, TEST AND EVALUATION (GOVERNMENT) ***Articles:*** ***FY 2024 Plans:*** - Continue to provide oversight of system engineering and software support for initial radar integration efforts with SSDS combat system	2.139 -	2.256 -	2.085 -	0.000 -	2.085 -

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 0604522N / *Air & Missile Defense Radar (AMDR) System*	**Project (Number/Name)** 3186 / *Air and Missile Defense Radar*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
- Continue to coordinate testing at Wallops Island and in-plant, including refinement of Air Traffic Control support, radar operation functions, improving air warfare and electronic protection capabilities, combat system land based test events, and carrier power risk reduction testing - Continue to operate radar Engineering Development Model (EDM) at Wallops Island - Continue to analyze test results for requirements verification and validation ***FY 2025 Base Plans:*** - Continue to provide oversight of system engineering, software support, and defect correction for radar integration efforts with SSDS combat system - Continue to coordinate testing at Wallops Island and in-plant, including refinement of Air Traffic Control support, radar operation functions, improving air warfare and electronic protection capabilities, combat system land based test events, and carrier power risk reduction testing - Continue to operate radar EDM at Wallops Island - Continue to analyze test results for requirements verification and validation - Support for test plan development, review, execution ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease aligns with planned development efforts.					
Accomplishments/Planned Programs Subtotals	84.767	90.307	107.924	0.000	107.924

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
• SCN/2122: *DDG51*	7,870.766	4,709.131	6,684.428	-	6,684.428	5,234.448	5,362.172	6,434.911	5,507.180	14,079.680	158,384.774
• 0204228N/2980: *Items Less Than $5M*	5.368	33.967	42.496	-	42.496	85.884	52.369	55.832	55.714	Continuing	Continuing
• SCN/2128: *FFG(X)*	1,444.824	2,173.698	1,170.442	-	1,170.442	2,195.623	1,173.257	2,294.994	1,145.863	7,386.836	22,416.737
• SCN/2001: *Carrier Replacement Program*	1,927.580	1,739.896	1,422.873	-	1,422.873	1,135.378	1,582.108	2,574.201	2,744.200	0.000	45,871.446
• SCN/2086: *CVN Refueling Overhauls*	674.081	860.068	1,730.314	-	1,730.314	2,036.911	2,004.217	257.173	523.228	5,596.810	43,780.635

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 0604522N / *Air & Missile Defense Radar (AMDR) System*	**Project (Number/Name)** 3186 / *Air and Missile Defense Radar*

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
• SCN/3041: *LHA*	1,393.770	1,830.149	176.515	-	176.515	513.203	3,710.073	0.000	0.000	0.000	18,808.671
• SCN/3036: *LPD*	17.739	16.520	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	21,412.968
• O&MN/1C1C/0702228N: *O&MN AMDR*	32.712	44.658	90.590	-	90.590	87.352	95.612	97.163	108.558	Continuing	Continuing

Remarks

D. Acquisition Strategy

The AN/SPY-6(V) Advanced Radars Acquisition Strategy (AS) supports current and future variants to reflect a Family of Radars (FoR) nomenclature AN/SPY-6(V). This includes new construction DDG 51 Flight (FLT) III units beyond FY 2020, backfit to the modernization effort for DDG 51 FLT IIA units, and Enterprise Air Surveillance Radar (EASR) for the new construction and modernization of aircraft carriers and large deck amphibious ships. Given the software and hardware commonality between the AN/SPY-6(V) FoR, Program Executive Office (PEO) Integrated Warfare Systems (IWS) 2.0 will leverage AN/SPY-6(V) FoR contracts to achieve economies of scale in both production and sustainment efforts. This AS lays out strategies for the Production and Deployment phases and beyond. The AN/SPY-6(V) Hardware Production & Sustainment (HP&S) contract for production units FY2021-FY2025 includes AN/SPY-6(V)1, AN/SPY-6(V)2, AN/SPY-6(V)3, and AN/SPY-6(V)4 and was awarded in FY2022 after a full and open competition leveraging the Technical Data Package (TDP) and data rights obtained through the AMDR EMD/LRIP 1 and EASR EMD/LRIP contracts. The AN/SPY-6(V) Design Agent (DA) Integration and Production Support (I&PS) contract will provide DA support for continued combat system integration and test, sustaining engineering, training, software maintenance, interim depot maintenance support, and field engineering services on a sole source basis from the current system integrator, Raytheon IDS. A follow-on AN/SPY-6(V) production contract will be competed under full and open competition.

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 0604522N / *Air & Missile Defense Radar (AMDR) System*	**Project (Number/Name)** 3186 / *Air and Missile Defense Radar*	

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
Engineering and Manufacturing Development/Engineering Services	C/CPIF	Raytheon : Marlborough, MA	350.660	0.000		0.000		0.000		-		0.000	0.000	350.660	-
Integration and Production Support	SS/CPFF	Raytheon : Marlborough, MA	126.982	64.545	Nov 2022	62.839	Oct 2023	81.623	Nov 2024	-		81.623	Continuing	Continuing	Continuing
Technology Development	C/FPIF	Lockheed Martin : Moorestown, NJ	0.024	0.000		0.000		0.000		-		0.000	0.000	0.024	-
Systems Engineering	C/CPIF	Lockheed Martin : Moorestown, NJ	0.000	0.000		3.334	Jan 2024	0.000		-		0.000	0.000	3.334	-
		Subtotal	477.666	64.545		66.173		81.623		-		81.623	Continuing	Continuing	N/A

Remarks

FY24 to FY25 increase is due to anticipated ramp up of IOT&E activities for IAMD.

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
Systems Engineering	MIPR	GTRI : Atlanta, GA	1.054	0.000		0.000		0.000		-		0.000	0.000	1.054	-
Systems Engineering	SS/CPFF	JHU/APL : Laurel, MD	30.607	4.407	Nov 2022	4.607	Nov 2023	3.322	Nov 2024	-		3.322	Continuing	Continuing	Continuing
Systems Engineering	MIPR	MIT : Cambridge, MD	5.676	1.772	Nov 2022	1.865	Nov 2023	0.652	Nov 2024	-		0.652	Continuing	Continuing	Continuing
Systems Engineering	WR	NRL : Washington, DC	4.023	0.295	Oct 2022	0.159	Nov 2023	0.472	Nov 2024	-		0.472	Continuing	Continuing	Continuing
Systems Engineering	WR	NSWC/CR : Crane, IN	5.723	0.401	Oct 2022	0.217	Nov 2023	0.995	Nov 2024	-		0.995	Continuing	Continuing	Continuing
Systems Engineering	WR	NSWC/DD : Dahlgren, VA	16.858	1.977	Oct 2022	4.299	Nov 2023	4.098	Nov 2024	-		4.098	Continuing	Continuing	Continuing
Systems Engineering	WR	NSWC/PHD : Port Hueneme, CA	3.319	0.399	Oct 2022	1.272	Nov 2023	0.160	Nov 2024	-		0.160	Continuing	Continuing	Continuing

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
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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
Systems Engineering	C/CPIF	SPA (Bridge) : Washington, DC	6.147	0.000		0.000		0.000		-		0.000	0.000	6.147	-
Systems Engineering	MIPR	ARL : Adelphi, MD	0.883	0.000		0.000		0.000		-		0.000	0.000	0.883	-
Systems Engineering	WR	NSWC/CD : Carderock, MD	0.308	0.000		0.000		0.000		-		0.000	0.000	0.308	-
Systems Engineering	WR	NSWC/Corona : Corona, CA	0.486	0.000		0.000		0.000		-		0.000	0.000	0.486	-
Systems Engineering	Allot	DISA : Scott AFB, Illinois	0.049	0.020	Oct 2022	0.026	Nov 2023	0.026	Nov 2024	-		0.026	Continuing	Continuing	Continuing
Systems Engineering	WR	NSWC IH : Indian Head, MD	0.668	0.000		0.000		0.000		-		0.000	0.000	0.668	-
Systems Engineering	SS/FFP	Northrop Grumman : Baltimore, MD	0.391	0.000		0.000		0.000		-		0.000	0.000	0.391	-
Systems Engineering	C/FFP	DRS Power & Control Technologies, Inc. : Milwaukee, WI	0.214	0.000		0.000		0.000		-		0.000	0.000	0.214	-
Systems Engineering	C/CPIF	SPA : Washington, DC	3.523	1.142	Nov 2022	1.029	Nov 2023	1.692	Nov 2024	-		1.692	Continuing	Continuing	Continuing
Systems Engineering	WR	NSMA : Washington, DC	1.506	0.859	Apr 2023	0.441	Nov 2023	0.668	Nov 2024	-		0.668	Continuing	Continuing	Continuing
Systems Engineering	C/CPIF	BAH : Washington, DC	0.000	0.000		0.000		0.000		-		0.000	0.000	0.000	-
		Subtotal	81.435	11.272		13.915		12.085		-		12.085	Continuing	Continuing	N/A

Remarks

FY24 to FY25 decrease aligns with planned development efforts.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
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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
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	COMOPTEVFOR : Norfolk, VA	1.232	0.000		0.000		0.000		-		0.000	0.000	1.232	-
Developmental Test & Evaluation (DT&E)	MIPR	GTRI : Atlanta, GA	0.750	0.186	Jun 2023	0.000		0.160	Nov 2024	-		0.160	0.000	1.096	-
Developmental Test & Evaluation (DT&E)	SS/CPFF	JHU/APL : Laurel, MD	19.073	0.064	Nov 2022	0.062	Nov 2023	0.774	Nov 2024	-		0.774	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	MIPR	MIT : Cambridge, MD	0.311	0.000		0.000		0.000		-		0.000	0.000	0.311	-
Developmental Test & Evaluation (DT&E)	WR	NAWC PM : Pt. Mugu, CA	6.921	0.084	Jan 2023	0.082	Nov 2023	0.000		-		0.000	0.000	7.087	-
Developmental Test & Evaluation (DT&E)	WR	NRL : Washington, DC	5.991	0.561	Oct 2022	0.546	Nov 2023	1.625	Nov 2024	-		1.625	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	WR	NSWC/DD : Dahlgren, VA	6.317	0.774	Oct 2022	1.112	Nov 2023	0.575	Nov 2024	-		0.575	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	WR	NSWC/PHD : Port Hueneme, CA	8.550	0.653	Nov 2022	0.550	Nov 2023	0.863	Nov 2024	-		0.863	0.000	10.616	-
Developmental Test & Evaluation (DT&E)	WR	PMRF : Kekaha, HI	15.712	2.689	Oct 2022	3.923	Nov 2023	2.275	Nov 2024	-		2.275	Continuing	Continuing	Continuing
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	C/CPIF	SPA (Bridge) : Washington, DC	3.043	0.000		0.000		0.000		-		0.000	0.000	3.043	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NSWC/PHD WS : Port Hueneme, CA	92.377	0.000		0.000		0.000		-		0.000	0.000	92.377	-
Developmental Test & Evaluation (DT&E)	WR	NSWC Corona : Corona, CA	6.088	0.000		0.000		0.000		-		0.000	0.000	6.088	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	CNA-ONR : Arlington, VA	0.157	0.000		0.000		0.000		-		0.000	0.000	0.157	-

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 0604522N / *Air & Missile Defense Radar (AMDR) System*	Project (Number/Name) 3186 / *Air and Missile Defense Radar*	

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
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	C/BA	MDA : Redstone Arsenal, AL	1.663	0.000		0.000		0.000		-		0.000	0.000	1.663	-
Developmental Test & Evaluation (DT&E)	C/CPIF	SAIC : Andover, MA	0.806	0.000		0.000		0.144	Nov 2024	-		0.144	0.000	0.950	-
Developmental Test & Evaluation (DT&E)	MIPR	DOI : Boise, ID	4.083	0.000		0.000		2.878	Nov 2024	-		2.878	0.000	6.961	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NSWC Crane : Crane, IN	0.686	0.000		0.000		0.000		-		0.000	0.000	0.686	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	MIPR	AFSEO : Eglin AFB, FL	0.011	0.000		0.000		0.000		-		0.000	0.000	0.011	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	FRCE - PMA 226 : Cherry Point, NC	0.005	0.000		0.000		0.000		-		0.000	0.000	0.005	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NUWC KP : Keyport, WA	0.367	0.000		0.000		0.000		-		0.000	0.000	0.367	-
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	COMNAVAIRPAC : San Diego, CA	0.244	0.000		0.000		0.035	Nov 2024	-		0.035	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	WR	NSWC CD : Carderock, MD	1.051	0.028	Feb 2023	0.029	Nov 2023	0.000		-		0.000	0.000	1.108	-
Developmental Test & Evaluation (DT&E)	MIPR	AFRL : Kirtland AFB, NM	0.345	0.000		0.000		0.181	Nov 2024	-		0.181	0.000	0.526	-
Developmental Test & Evaluation (DT&E)	C/CPIF	SPA : Washington, DC	3.076	0.648	Nov 2022	0.493	Nov 2023	0.355	Nov 2024	-		0.355	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	MIPR	Civil Air Patrol : Montgomery, AL	0.039	0.017	Dec 2022	0.016	Nov 2023	0.025	Nov 2024	-		0.025	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	WR	SCSC Wallops : Wallops Island, VA	0.386	0.424	Oct 2022	0.540	Nov 2023	1.746	Nov 2024	-		1.746	0.000	3.096	-

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 0604522N / *Air & Missile Defense Radar (AMDR) System*	**Project (Number/Name)** 3186 / *Air and Missile Defense Radar*	

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
Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E)	WR	NAWCCL : Clear Lake, CA	0.432	0.000		0.000		0.000		-		0.000	0.000	0.432	-
Developmental Test & Evaluation (DT&E)	C/CPFF	Global PCCI (GPC) : Irvine, CA	0.018	0.000		0.000		0.000		-		0.000	0.000	0.018	-
Developmental Test & Evaluation (DT&E)	MIPR	HPCMP : Vicksburg, MS	0.000	0.014	Nov 2022	0.051	Mar 2024	0.000		-		0.000	0.000	0.065	-
Developmental Test & Evaluation (DT&E)	MIPR	PEOSTI : Redstone Arsenal, AL	0.000	0.000		0.000		0.288	Nov 2024	-		0.288	0.000	0.288	-
		Subtotal	179.734	6.142		7.404		11.924		-		11.924	Continuing	Continuing	N/A

Remarks

FY24 to FY25 increase associated with planning/conducting SPY-6(V)4 land based testing in support the DDG MOD 2.0 program.

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
Support Management Services	C/CPIF	SPA (Bridge) : Washington, DC	5.119	0.000		0.000		0.000		-		0.000	0.000	5.119	-
Travel	Sub Allot	PEOIWS2 : Washington, DC	0.785	0.094	Mar 2023	0.097	Jan 2024	0.107	Jan 2025	-		0.107	Continuing	Continuing	Continuing
Support Management Services	WR	NSWC/DD : Dahlgren, VA	2.609	0.513	Oct 2022	0.645	Nov 2023	0.610	Nov 2024	-		0.610	Continuing	Continuing	Continuing
Support Management Services	C/CPFF	TMB-PSS : Washington, DC	0.511	0.109	Mar 2023	0.083	Nov 2023	0.022	Nov 2024	-		0.022	Continuing	Continuing	Continuing
Support Management Services	C/CPFF	CACI-PSS : Washington, DC	0.925	0.000		0.000		0.000		-		0.000	0.000	0.925	-
Support Management Services	C/CPFF	STRATEGIC INSIGHT : Arlington, VA	0.232	0.049	Dec 2022	0.050	Dec 2023	0.057	Dec 2024	-		0.057	Continuing	Continuing	Continuing

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy		Date: March 2024
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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
Support Management Services	C/CPIF	UNC : Chapel Hill, NC	0.106	0.000		0.000		0.000		-		0.000	0.000	0.106	-
Support Management Services	WR	NSWC/CD : Carderock, MD	0.076	0.000		0.000		0.000		-		0.000	0.000	0.076	-
Support Management Services	C/CPIF	SPA : Washington, DC	1.734	1.860	Nov 2022	1.794	Nov 2023	1.058	Nov 2024	-		1.058	Continuing	Continuing	Continuing
Support Management Services	C/CPFF	BAH-PSS : Washington, DC	0.270	0.183	Mar 2023	0.146	Dec 2023	0.438	Dec 2024	-		0.438	Continuing	Continuing	Continuing
		Subtotal	12.367	2.808		2.815		2.292		-		2.292	Continuing	Continuing	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	751.202	84.767		90.307		107.924		-		107.924	Continuing	Continuing	N/A

Remarks

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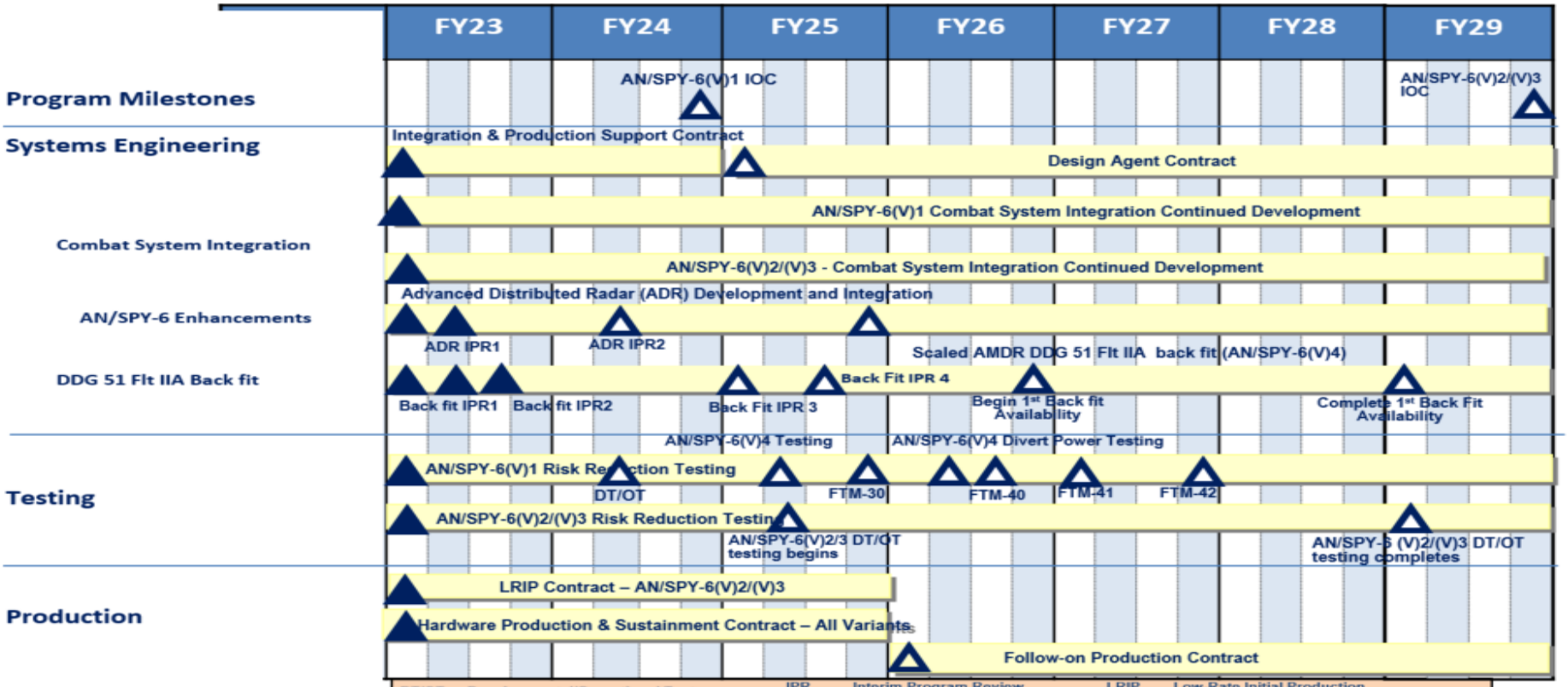

NOTE: Production contract timelines reflect when options are exercised; actual production may extend beyond the end of each bar.

Changes:

- Added (V)2 & (V)3 IOC in Q4FY29
- Deleted ADR category and changed to AN/SPY-6 Enhancements
- Deleted ADR IPR3 in FY25
- Added Back Fit IPR 4 in FY25
- Added Completion of 1st Backfit Availability in FY29
- Moved Design Agent Contract start from Q4FY24 to Q1FY25
- Added FTM-30 in Q4FY25
- Added FTM-40 in Q3FY26
- Added FTM-41 in Q1FY27
- Added FTM-42 in Q4FY27
- Moved (V)4 ARDEL testing start to FY25
- Added (V)4 Divert power testing to FY26
- Moved Back Fit IPR 3 to Q1FY25

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

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 3186				
Integration and Production Support Contract	1	2023	4	2024
AN/SPY-6(V)1 Combat System Integration Continued Development	1	2023	4	2029
AN/SPY-6(V)2/(V)3 Combat System Integration Continued Development	1	2023	4	2029
Advanced Distributed Radar (ADR) Development and Integration	1	2023	4	2025
Scaled AMDR DDG51 FLT IIA Backfit (AN/SPY-6(V)4)	1	2023	4	2029
AN/SPY-6(V)1 Risk Reduction Testing	1	2023	2	2025
AN/SPY-6(V)2/(V)3 Risk Reduction Testing	1	2023	4	2029
LRIP Contract - AN/SPY-6(V)2/(V)3	1	2023	4	2025
Hardware Production and Sustainment Contract	1	2023	4	2025
ADR IPR 1	2	2023	2	2023
Back Fit IPR 1	2	2023	2	2023
Back Fit IPR 2	3	2023	3	2023
ADR IPR 2	2	2024	2	2024
AN/SPY-6(V)1 DT/OT	2	2024	4	2029
AN/SPY-6(V)1 IOC	4	2024	4	2024
Back Fit IPR 3	1	2025	1	2025
Design Agent Contract	1	2025	4	2029
AN/SPY-6(V)2/(V)3 DT/OT Testing Complete	2	2025	1	2029
AN/SPY-6(V)4 Testing	2	2025	4	2029
Back Fit IPR 4	3	2025	3	2025
FTM 30	4	2025	4	2025

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
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	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Follow-on Production Contract	1	2026	4	2029
AN/SPY-6(V)4 Divert Power Test	2	2026	2	2026
FTM 40	3	2026	3	2026
Begin 1st Back Fit Availability	4	2026	4	2028
FTM 41	1	2027	1	2027
FTM 42	4	2027	4	2027
Complete 1st Back Fit Availability	1	2029	1	2029
AN/SPY-6(V)2/(V)3 IOC	4	2029	4	2029