Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Navy											Date: May 2021	
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 5: *System Development & Demonstration (SDD)*					R-1 Program Element (Number/Name) PE 0604269N *I EA-18 Squadrons*							
COST ($ in Millions)	**Prior Years**	**FY 2020**	**FY 2021**	**FY 2022 Base**	**FY 2022 OCO**	**FY 2022 Total**	**FY 2023**	**FY 2024**	**FY 2025**	**FY 2026**	**Cost To Complete**	**Total Cost**
Total Program Element	2,261.834	122.048	106.134	68.425	-	68.425	-	-	-	-	-	-
3063: *EA-18G Development*	2,261.834	122.048	106.134	68.425	-	68.425	-	-	-	-	-	-

Program MDAP/MAIS Code:
Project MDAP/MAIS Code(s): 378

A. Mission Description and Budget Item Justification

The EA-18G Growler is the primary Airborne Electronic Attack (AEA) platform supporting the Joint Force and the sole tactical AEA aircraft in the DoD inventory. The Growler is an asymmetric force multiplier that increases the survivability and lethality of the Joint Force, enabling all-domain superiority for the Electromagnetic Spectrum (EMS). The centrality of EMS dominance to the CNO's Maritime Strategy further necessitates EA-18G modernization as a strategic pursuit to secure EMS superiority for the Navy's Carrier Strike and Joint Expeditionary operations. Due to the rapid advancements of the adversary's capabilities, the EA-18G will be called upon in future engagements to operate at increased ranges from the threat which far exceed the current capability to effectively deliver kinetic and non-kinetic effects. The Growler Block II is a foundational spiral upgrade that will implement the enabling infrastructure and architecture to facilitate incremental and innovative capability improvements required for Naval Aviation to regain and sustain an advantage in the EMS until the EA-18G replacement.

Sensor modernization, processing modernization, and fusion are the most critical components of Growler Block II. The onboard sensors of the EA-18G, namely the ALQ-218, require improved sensitivity and processing to detect, identify, and locate advanced complex threats at longer ranges. The ALQ-218 Airborne Electronic Attack Systems Enhancement (ASE) is a combination hardware/software upgrade that enables the transition to Growler Block II. An Electronic Attack Unit (EAU) upgrade, coupled with the Reactive Electronic Attack Measures (REAM) capability greatly enhances the EA-18G's ability to autonomously process and respond to unknown signals in an extremely dense EMS environment. Capabilities of the EA-18G weapon system and ancillary equipment can be upgraded to accommodate and incorporate new or enhanced weapons as well as advances in technology to respond effectively to emerging and future threats. EA-18G "Flight Plan" spiral capability development is critical to the baseline of the EA-18G next generation mission system capability and to maintaining tactical relevance in support of the Air Wing of the Future.

Development continues for design and integration of avionics systems, integration of Jamming Techniques Optimization (JATO) improvements, evolutionary software upgrades via the System Configuration Set (SCS) block builds and related testing. Through FY2027, EA-18G Growler efforts will focus on developing quality components, with concurrent recurring modification; continuing advanced development engineering; and improving reliability and maintainability. These collective efforts will enhance availability of critical assets to the fleet and maximize lifetime total cost of ownership benefits.

Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Navy					Date: May 2021
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 5: *System Development & Demonstration (SDD)*			R-1 Program Element (Number/Name) PE 0604269N *I EA-18 Squadrons*		
B. Program Change Summary ($ in Millions)	**FY 2020**	**FY 2021**	**FY 2022 Base**	**FY 2022 OCO**	**FY 2022 Total**
Previous President's Budget	123.637	106.134	74.557	-	74.557
Current President's Budget	122.048	106.134	68.425	-	68.425
Total Adjustments	-1.589	0.000	-6.132	-	-6.132
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.001	0.000			
• SBIR/STTR Transfer	-1.588	0.000			
• Rate/Misc Adjustments	0.000	0.000	-6.132	-	-6.132

Change Summary Explanation

Technical: Not Applicable

Cost: The FY22 funding request was reduced by $5.1 million to account for the availability of prior year execution balances and an additional $1.032 million reduction for Rate/Misc adjustments.

Schedule:
- Added Delta H16 Operational Test (OT) Next Generation Jammer-Mid Band (NGJ-MB)/Low Band Dedicated Receiver (LBDR)event 1QFY22-3QFY22

Exhibit R-2A, RDT&E Project Justification: PB 2022 Navy											Date: May 2021	
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604269N / *EA-18 Squadrons*				Project (Number/Name) 3063 / *EA-18G Development*			
COST ($ in Millions)	**Prior Years**	**FY 2020**	**FY 2021**	**FY 2022 Base**	**FY 2022 OCO**	**FY 2022 Total**	**FY 2023**	**FY 2024**	**FY 2025**	**FY 2026**	**Cost To Complete**	**Total Cost**
3063: *EA-18G Development*	2,261.834	122.048	106.134	68.425	-	68.425	-	-	-	-	-	-
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Project MDAP/MAIS Code: 378

A. Mission Description and Budget Item Justification

The EA-18G development program upgrades the Airborne Electronic Attack (AEA) capability to detect, identify, locate and suppress hostile emitters; provides enhanced connectivity to National, Theater and Strike assets; and provides passive organic precision emitter targeting for employment of precision strike weapons and onboard suppression weapons (High-speed Anti-Radiation Missile family) to fulfill operational requirements. The performance of the aircraft is compatible with the primary strike/ fighter aircraft projected to be in the inventory, allowing it to be fully integrated into specific strike packages.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Title: EA-18G AEA System Enhancements (ASE) and Integrated Capability Package (ICP-3)	44.222	32.378	14.233	0.000	14.233
Articles:	-	-	-	-	-

Description: The EA-18G has the capability to operate autonomously or as a major node in a network-centric operation and is being designed to perform a range of Electronic Warfare/Electronic Attack functions either simultaneously or independently. Funding will be utilized for design and integration of avionics systems into the EA-18G.

FY 2021 Plans:
Under the H16 plan, and in support for the transition from DT to OT, continue integration of improvements developed through the JATO teams. Work includes increased engineering, flight hours and test efforts for ALQ-218 ASE upgrade requirements to improve low band geo-location, signal detection, and identification capabilities necessary for complex emitter geo-location and identification. Funds will support a combined hardware/software solution to provide significant capability enhancements to the ALQ-218 which are required to address evolving threats. To incorporate those ALQ-218 ASE upgrades with the SCS fleet releases on EA-18G, an increase in engineering, system integration, SCS development, Operational Flight Program re-hosting, test planning, materials, lab equipment, and lab/flight testing are being funded. Funding supports development (hardware and software), test and integration efforts for H16 SCS build such as DTP-N to include Aided Target Recognition, Stationary Target Recognition, Maritime Multiple Target Track and Engagement, Multi-Level Security, Advanced Tactical Data Link; Display Improvements for enhanced sensor integration, Time Difference of Arrival (TDOA), Network Centric Collaborative Targeting (NCCT), and continued updates to Wingman Compatibility improvements.

Exhibit R-2A, RDT&E Project Justification: PB 2022 Navy		Date: May 2021
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B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
FY21 continues funding to support increased ALQ-218 signal processing capacity and capability by adding the Low Band Dedicated Receiver (LBDR) Capability enhancements enable better detection and correct identification of modern radars. Capacity improvements provide increased signal processing in current day dense electromagnetic environments. ***FY 2022 Base Plans:*** Continuation of the H16 plan, with OT activities and integration of improvements developed through the JATO teams. Work includes engineering, flight hours and test efforts for ALQ-218 ASE upgrade requirements to improve low band geolocation, signal detection, and identification capabilities necessary for complex emitter geo-location and identification. Funds will support a combined hardware/software solution to address evolving threats and provide significant capability enhancements to the ALQ-218, such as the LBDR and capacity improvements mentioned in FY21 comments. To incorporate those ALQ-218 ASE upgrades with the SCS fleet releases on EA-18G, FY22 funding supports engineering, system integration, SCS development, Operational Flight Program re-hosting, test planning, materials, lab equipment, and lab/flight testing. Funding also continues to support development (hardware and software) of test and integration efforts for H16 SCS build such as DTP-N capabilities, TDOA, NCCT and Wingman Compatibility improvements. ***FY 2022 OCO Plans:*** N/A ***FY 2021 to FY 2022 Increase/Decrease Statement:*** Decrease of $18.145 million from FY 2021 to FY 2022 is due to the ramp down in ASE and ICP3 product development efforts.					
Title: EA-18G Software Development & Integration	17.585	0.000	0.000	0.000	0.000
Articles:	-	-	-	-	-
Description: Continued capability enhancements to improve the EA-18G Airborne Electronic Attack capabilities are predominantly realized through evolutionary software upgrades. Funding will be utilized to develop improved software capabilities for the EA-18G through System Configuration Set block software updates. ***FY 2021 Plans:*** Software Development & Integration realigned to SCS Development & Integration beginning in FY21 ***FY 2022 Base Plans:***					

Exhibit R-2A, RDT&E Project Justification: PB 2022 Navy		Date: May 2021
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604269N / *EA-18 Squadrons*	**Project (Number/Name)** 3063 / *EA-18G Development*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
N/A ***FY 2022 OCO Plans:*** N/A ***FY 2021 to FY 2022 Increase/Decrease Statement:*** N/A					
Title: EA-18G System Configuration Set (SCS) Development & Integration ***Articles:*** ***Description:*** Capability enhancements to improve the EA-18G Airborne Electronic Attack capabilities are predominantly realized through evolutionary software upgrades. Funding will be utilized to develop improved software capabilities for the EA-18G through SCS block software updates. ***FY 2021 Plans:*** Continue SCS block software development and integration for the EA-18G, specifically SCS builds H18 and H20. Increase to engineering efforts for integration of active and passive kill chain capabilities and sensors. Funding for Multi Source Integration algorithm and sensor developmental efforts also increase for test activities for ongoing modeling and simulation upgrades such as Net Enabled Weapon Controller Interface Model interoperability software and equipment, and Live Virtual Constructive interoperability efforts. ***FY 2022 Base Plans:*** Continue SCS block software development and integration for the EA-18G, specifically SCS builds H18 and H20. Increase to engineering efforts for integration of active and passive kill chain capabilities and sensors. Funding for Multi Source Integration algorithm and sensor developmental efforts also increase for test activities for ongoing modeling and simulation upgrades such as Net Enabled Weapon Controller Interface Model interoperability software and equipment, and Live Virtual Constructive interoperability efforts. ***FY 2022 OCO Plans:*** N/A ***FY 2021 to FY 2022 Increase/Decrease Statement:*** FY 2021 to FY 2022 decrease of $1.718 million for Primary Hardware development efforts for H16.	0.000 -	10.495 -	8.777 -	0.000 -	8.777 -
Title: EA-18G Flight Plan Engineering ***Articles:***	1.465 -	2.547 -	2.083 -	0.000 -	2.083 -

Exhibit R-2A, RDT&E Project Justification: PB 2022 Navy		Date: May 2021
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B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Description: EA-18G "Flight Plan" spiral capability development is critical to the baseline of the Growler next generation mission system capability. Funding will support the development, test and integration efforts required to maintain tactical relevance in support of Navy Aviation Plan 2030. ***FY 2021 Plans:*** Continue Flight Plan Engineering efforts to include EA-18G improvements necessary for Growler relevance and tactical supremacy; Navy Integrated Fire Control-Counter Air system configuration set requirements to support Navy Integrated Air and Missile Defense capability requirements and enhance EA-18G Cooperative Engagement Capability. ***FY 2022 Base Plans:*** Continue Flight Plan Engineering efforts to include EA-18G improvements necessary for Growler relevance and tactical supremacy; Navy Integrated Fire Control-Counter Air system configuration set requirements to support Navy Integrated Air and Missile Defense capability requirements and enhance EA-18G Cooperative Engagement Capability. ***FY 2022 OCO Plans:*** N/A ***FY 2021 to FY 2022 Increase/Decrease Statement:*** FY2021 to FY2022 decrease of $0.464 million is due to reduced software support efforts for Electronic Maneuver Warfare (EMW) Resource Allocation Management (RAM).					
Title: EA-18G Growler Block II	58.776	60.714	43.332	0.000	43.332
Articles:	-	-	-	-	-
Description: The Growler Block II upgrade will implement the enabling infrastructure and architecture to facilitate incremental and innovative capability improvements required for Naval Aviation to regain and sustain an advantage in the EMS until the EA-18G replacement. Reactive Electronic Attack Measures (REAM) uses cognitive EW machine learning algorithms to provide the warfighter with capabilities to counter advanced dynamic IADS by detecting and identifying unknown adaptive RADAR emitters. The Office of Naval Research (ONR) Future Naval Capability (FNC) Electromagnetic Maneuver Warfare Resource Allocation Management (EMW RAM) is a software algorithm development for Growler Block II that will implement necessary sensor and jamming resource management. ***FY 2021 Plans:***					

Exhibit R-2A, RDT&E Project Justification: PB 2022 Navy		Date: May 2021
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604269N / *EA-18 Squadrons*	**Project (Number/Name)** 3063 / *EA-18G Development*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Continue progressing through required System Engineering Technical Reviews (SETR). Preliminary Design Review (PDR) will include detailed designs. Integration and test of prototype hardware and software will provide more mature capability enhancements. REAM software development will continue through integration in H20 SCS build. Advanced sensor demonstrations and risk reduction activities will continue with the VX pod technology maturation. EMW RAM program will continue development activities in three primary Technical Areas: EW Battle Management Framework, Adaptive System Management (ASM), and Teaming Interface between Aircrew and Machines. ***FY 2022 Base Plans:*** Continue to progress through the Systems Engineering Technical Reviews (SETR) towards Critical Design Review (CDR) and establishment of the Product Baseline. The continued integration and testing of prototype hardware and software will inform and mature the capability enhancements. Continue REAM software development into the H20 SCS, advanced sensor demonstrations and risk reduction activities through VX pod maturation, and EMW RAM maturation in three primary Technical Areas: EW Battle Management Framework, Adaptive System Management (ASM), and Teaming Interface between Aircrew and Machines. ***FY 2022 OCO Plans:*** N/A ***FY 2021 to FY 2022 Increase/Decrease Statement:*** Decrease of $17.382 million from FY 2021 to FY2022 accounts for REAM efforts moving into test and production.					
Accomplishments/Planned Programs Subtotals	122.048	106.134	68.425	0.000	68.425

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
• APN/0505: *F-18E/F and EA-18G Modernization and Sustainment*	0.000	399.360	482.899	-	482.899	-	-	-	-	-	-
• RDTEN/1662: *F/A-18 Improvement*	94.606	127.461	145.613	-	145.613	-	-	-	-	-	-

Remarks

Exhibit R-2A, RDT&E Project Justification: PB 2022 Navy		Date: May 2021
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D. Acquisition Strategy

The program achieved Full Rate Production in November 2009. Studies are underway for Growler Block II capabilities and those efforts will be integrated into the overall EA-18G plan/roadmap as resources permit. EA-18G software upgrades are incrementally developed, integrated and fielded. Software development and integration are coordinated efforts between government activities and industry partners to field capability upgrades to the EA-18G fleet.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2022 Navy		Date: May 2021
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Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2020 Cost	FY 2020 Award Date	FY 2021 Cost	FY 2021 Award Date	FY 2022 Base Cost	FY 2022 Base Award Date	FY 2022 OCO Cost	FY 2022 OCO Award Date	FY 2022 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SCS Software Development & Integration	C/IDIQ	Northrop Grumman : Various	13.287	3.431	Dec 2019	3.500	Dec 2020	0.979	Dec 2021	-		0.979	-	-	-
SCS Software Development & Integration	WR	NAWCWD : China Lake, CA	109.838	1.587	Dec 2019	1.000	Dec 2020	0.000		-		0.000	-	-	-
SCS Software Development & Integration	WR	NAWCWD : Pt. Mugu, CA	89.168	2.359	Dec 2019	0.857	Dec 2020	0.353	Dec 2021	-		0.353	-	-	-
Systems Engineering (Flight Plan)	WR	ONR : Arlington, VA	0.000	0.000		0.634	Nov 2020	0.141	Nov 2021	-		0.141	-	-	-
Systems Engineering (Flight Plan)	Various	Various : Various	1.962	0.600	Dec 2019	0.612	Dec 2020	0.000		-		0.000	-	-	-
Primary Hardware Development (Flight Plan - DTP-N)	C/CPFF	Boeing : St. Louis, MO	77.891	0.000		0.000		0.000		-		0.000	-	-	-
Systems Engineering (Flight Plan - TDOA)	WR	NAWCWD : Various	6.341	0.257	Dec 2019	0.366	Dec 2020	0.000		-		0.000	-	-	-
Primary Hardware Development (Flight Plan - TDOA)	C/CPFF	Northrop Grumman : Various	7.237	1.438	Dec 2019	1.423	Dec 2020	0.000		-		0.000	-	-	-
Systems Engineering (ASE/ICP-3)	WR	NAWCAD : Pax River, MD	58.685	6.330	Dec 2019	4.558	Dec 2020	4.209	Dec 2021	-		4.209	-	-	-
Systems Engineering (ASE/ICP-3)	Various	Various : Various	13.114	4.715	Dec 2019	0.146	Dec 2020	0.000		-		0.000	-	-	-
Primary Hardware Development (ALQ-218 ASE)	C/IDIQ	Northrop Grumman : Various	142.885	8.971	Apr 2020	2.940	Apr 2021	0.000		-		0.000	-	-	-
Primary Hardware Development (ALQ-218 ASE)	C/CPFF	Boeing : St. Louis, MO	7.668	0.150	Jan 2020	0.153	Jan 2021	0.000		-		0.000	-	-	-
Systems Engineering (ALQ-218 ASE)	WR	NAWCWD : Pt. Mugu, CA	7.667	0.913	Dec 2019	0.861	Dec 2020	0.000		-		0.000	-	-	-
Systems Engineering (ALQ-218 ASE)	WR	NAWCWD : China Lake, CA	7.501	1.521	Dec 2019	1.265	Dec 2020	0.000		-		0.000	-	-	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2022 Navy		Date: May 2021
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Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2020 Cost	FY 2020 Award Date	FY 2021 Cost	FY 2021 Award Date	FY 2022 Base Cost	FY 2022 Base Award Date	FY 2022 OCO Cost	FY 2022 OCO Award Date	FY 2022 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development (ALQ-218 LBDR)	C/IDIQ	Northrop Grumman : Various	20.936	8.607	Dec 2019	7.016	Dec 2020	0.000		-		0.000	-	-	-
Systems Engineering (ALQ-218 LBDR)	WR	NAWCWD : Various	2.788	0.511	Dec 2019	0.475	Dec 2020	0.000		-		0.000	-	-	-
Systems Engineering (Growler Block 2/REAM)	WR	NAWCAD : Pax River, MD	0.000	8.860	Nov 2019	12.291	Nov 2020	15.523	Nov 2021	-		15.523	-	-	-
Systems Engineering (Growler Block 2/REAM)	WR	NAWCWD : Pt. Mugu, CA	2.570	11.482	Nov 2019	13.963	Nov 2020	11.682	Nov 2021	-		11.682	-	-	-
Systems Engineering (Growler Block 2/REAM)	WR	NSWC : Crane, IN	0.156	1.386	Dec 2019	0.920	Dec 2020	0.737	Dec 2021	-		0.737	-	-	-
Primary Hardware Development (Growler Block 2/REAM)	Various	NSMA : Various	0.000	8.800	Feb 2020	11.648	Feb 2021	0.000		-		0.000	-	-	-
Primary Hardware Development (Growler Block 2/REAM)	C/IDIQ	Boeing : Various	3.938	23.255	Mar 2020	15.480	Mar 2021	7.487	Mar 2022	-		7.487	-	-	-
Systems Engineering (Growler Block 2/REAM)	Various	Various : Various	0.747	0.877	Dec 2019	0.895	Dec 2020	0.811	Dec 2021	-		0.811	-	-	-
Primary Hardware Development (Growler Block 2/REAM)	C/IDIQ	Northrop Grumman : Various	7.222	6.366	Jun 2020	5.514	Jun 2021	1.530	Jun 2022	-		1.530	-	-	-
Growler Block II/REAM	WR	NAWCWD : China Lake, CA	0.000	0.000		0.000		5.563	Nov 2021	-		5.563	-	-	-
Prior Year Prod Dev no longer funded in FYDP	Various	Various : Various	1,104.139	0.000		0.000		0.000		-		0.000	-	-	-
		Subtotal	1,685.740	102.416		86.517		49.015		-		49.015	-	-	N/A

Remarks

System Engineering: (Growler Block 2/REAM) and Growler Block II increased in FY22 due to the transition from prototype to final design solutions.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2022 Navy		Date: May 2021
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Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2020 Cost	FY 2020 Award Date	FY 2021 Cost	FY 2021 Award Date	FY 2022 Base Cost	FY 2022 Base Award Date	FY 2022 OCO Cost	FY 2022 OCO Award Date	FY 2022 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SCS Development & Integration	Various	NAWCWD : Pt. Mugu	2.716	2.170	Dec 2019	2.177	Dec 2020	2.073	Dec 2021	-		2.073	-	-	-
SCS Development & Integration Support	C/IDIQ	Northrop Grumman : Various	1.053	1.074	Jan 2020	1.096	Jan 2021	1.118	Jan 2022	-		1.118	-	-	-
SCS Development & Integration Support	WR	NAWCWD : China Lake, CA	1.834	1.057	Dec 2019	1.152	Dec 2020	1.073	Dec 2021	-		1.073	-	-	-
Flight Plan Engineering	Various	Various : Various	0.889	0.857	Dec 2019	0.875	Dec 2020	0.893	Dec 2021	-		0.893	-	-	-
AEA FST Engineering Support (Flight Plan Engineering & SCS)	WR	NSWC : Crane	0.000	0.000		0.000		3.076	Nov 2021	-		3.076	-	-	-
ASE/ICP-3 (DTP-N)	WR	NAWCWD : China Lake, CA	9.562	3.559	Dec 2019	2.017	Dec 2020	0.000		-		0.000	-	-	-
ASE/ICP-3 (DTP-N)	C/CPFF	Boeing : St. Louis, MO	0.000	0.000	Feb 2020	0.999	Feb 2021	2.958	Feb 2022	-		2.958	-	-	-
ASE/ICP-3 (DTP-N)	WR	SPAWAR : San Diego, CA	0.670	1.000	Dec 2019	0.501	Dec 2020	0.051	Dec 2021	-		0.051	-	-	-
ASE/ICP-3 (DTP-N)	Various	NSMA : Various	6.842	1.165	Dec 2019	1.501	Dec 2020	1.530	Dec 2021	-		1.530	-	-	-
CDS Accredation (DTP-N)	Various	Various : Various	0.000	0.000		0.000		1.223	Nov 2021	-		1.223	-	-	-
Prior Year Support no longer funded in FYDP	Various	Various : Various	235.711	0.000		0.000		0.000		-		0.000	-	-	-
		Subtotal	259.277	10.882		10.318		13.995		-		13.995	-	-	N/A

Remarks

FY22 increase in support is due to ramp-up of DTP-N test efforts and CRANE H build/Growler Block II classified lab support.

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2020 Cost	FY 2020 Award Date	FY 2021 Cost	FY 2021 Award Date	FY 2022 Base Cost	FY 2022 Base Award Date	FY 2022 OCO Cost	FY 2022 OCO Award Date	FY 2022 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Flight Plan Integration & Operational Testing	WR	Various : Various	117.725	0.101	Dec 2019	0.103	Dec 2020	0.105	Dec 2021	-		0.105	-	-	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2022 Navy		Date: May 2021
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Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2020 Cost	FY 2020 Award Date	FY 2021 Cost	FY 2021 Award Date	FY 2022 Base Cost	FY 2022 Base Award Date	FY 2022 OCO Cost	FY 2022 OCO Award Date	FY 2022 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
ASE/ICP-3 (DTP-N) Integration & Operational Testing	WR	COTF : China Lake, CA	3.907	1.598	Dec 2019	6.042	Dec 2020	3.481	Dec 2021	-		3.481	-	-	-
ASE/ICP-3 (DTP-N) Integration & Operational Testing	C/IDIQ	Boeing : St. Louis, MO	1.735	3.964	Mar 2020	0.409	Mar 2021	0.000		-		0.000	-	-	-
ASE/ICP-3 (DTP-N) Integration & Operational Testing	WR	Various : Various	1.645	0.749	Nov 2019	0.534	Nov 2020	0.000		-		0.000	-	-	-
Prior Year T&E no longer funded in FYDP	Various	Various : Various	108.530	0.000		0.000		0.000		-		0.000	-	-	-
		Subtotal	233.542	6.412		7.088		3.586		-		3.586	-	-	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2020 Cost	FY 2020 Award Date	FY 2021 Cost	FY 2021 Award Date	FY 2022 Base Cost	FY 2022 Base Award Date	FY 2022 OCO Cost	FY 2022 OCO Award Date	FY 2022 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
ASE/ICP-3 (DTP-N) Program Management Support (Seaport-CSS)	C/CPFF	Wyle Lab : Pax River, MD	16.060	0.664	Apr 2020	0.000		0.000		-		0.000	-	-	-
PMMAC Contract	C/CPFF	Tekla : Pax River, MD	0.000	0.000		0.669	Apr 2021	0.341	Apr 2022	-		0.341	-	-	-
ASE/ICP-3 (DTP-N) Engineering Support	WR	NAWCAD : Pax River, MD	34.410	0.383	Dec 2019	0.384	Dec 2020	0.392	Dec 2021	-		0.392	-	-	-
Flight Plan Engineering Support	WR	NAWCWD : China Lake	3.723	0.383	Dec 2019	0.384	Dec 2020	0.383	Dec 2021	-		0.383	-	-	-
Flight Plan Engineering Support	C/CPFF	Boeing : St. Louis, MO	24.758	0.814	Feb 2020	0.680	Feb 2021	0.694	Feb 2022	-		0.694	-	-	-
Travel	WR	Various : Various	2.983	0.094	Dec 2019	0.094	Dec 2020	0.019	Dec 2021	-		0.019	-	-	-
Prior Year Mgmt Svcs no longer funded in FYDP	Various	Various : Various	1.341	0.000		0.000		0.000		-		0.000	-	-	-
		Subtotal	83.275	2.338		2.211		1.829		-		1.829	-	-	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2022 Navy			Date: May 2021
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604269N / *EA-18 Squadrons*	Project (Number/Name) 3063 / *EA-18G Development*	

	Prior Years	FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	2,261.834	122.048		106.134		68.425		-		68.425	-	-	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2022 Navy		Date: May 2021
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604269N / *EA-18 Squadrons*	**Project (Number/Name)** 3063 / *EA-18G Development*

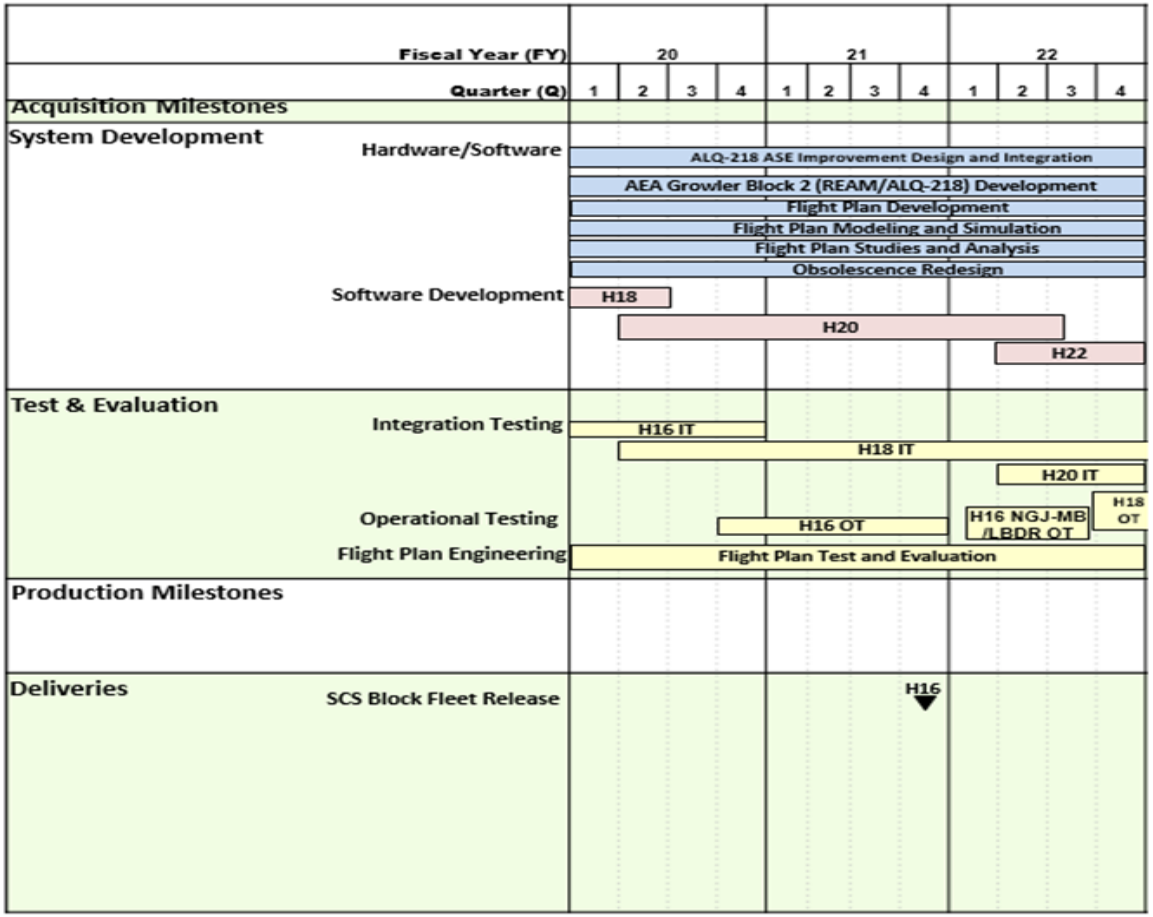

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Exhibit R-4A, RDT&E Schedule Details: PB 2022 Navy		Date: May 2021
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604269N / *EA-18 Squadrons*	**Project (Number/Name)** 3063 / *EA-18G Development*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
EA-18G Development				
Systems Development: Hardware/Software: ALQ-218 ASE Improvement Design and Integration	1	2020	4	2022
Systems Development: Hardware/Software: Growler Block 2 AEA Development	1	2020	4	2022
Systems Development: Hardware/Software: Flight Plan Development	1	2020	4	2022
Systems Development: Hardware/Software: Flight Plan Modeling and Simulation	1	2020	4	2022
Systems Development: Hardware/Software: Flight Plan Studies and Analysis	1	2020	4	2022
Systems Development: Hardware/Software: Obsolescence Redesign Development and Testing	1	2020	4	2022
Systems Development: Software Development: H18 Software Development	1	2020	2	2020
Systems Development: Software Development: H20 Software Development	2	2020	2	2022
Systems Development: Software Development: H22 Software Development	2	2022	4	2022
Test & Evaluation: Integration Testing: H16 Integration Testing	1	2020	4	2020
Test & Evaluation: Integration Testing: H18 Integration Testing	2	2020	4	2022
Test & Evaluation: Integration Testing: H20 Integration Testing	2	2022	4	2022
Test & Evaluation: Operational Testing: H16 Operational Testing	4	2020	4	2021
Test & Evaluation: Operational Testing: H16 NGJ-MB/LBDR OT	1	2022	3	2022
Test & Evaluation: Operational Testing: H18 Operational Testing	4	2022	4	2022
Test & Evaluation: Flight Plan Engineering: Developmental, Integration and Operational Testing	1	2020	4	2022
Deliveries: SCS Block Fleet Release: H16 Fleet Release	4	2021	4	2021