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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0604269N / EA-18 Squadrons							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	1,793.181	11.769	11.138	18.730	-	18.730	33.968	47.507	80.148	56.757	57.892	2,111.090
3063: EA-18G Development	1,793.181	11.769	11.138	18.730	-	18.730	33.968	47.507	80.148	56.757	57.892	2,111.090
MDAP/MAIS Code: 378												
# The FY 2015 OCO Request will be submitted at a later date.												
Note												
The EA-18G Development program is no longer a Major Defense Acquisition Program due to the nature of the current requirements of the program. Flight Plan Engineering / System Configuration Set Development & Integration is a new start program for the EA-18G beginning in FY15.												
A. Mission Description and Budget Item Justification												
The EA-18G is replacing the EA-6B aircraft as the primary Electronic Attack platform supporting the Navy and Marine Corps, as the EA-6B is fully phased out the EA-18G will be the sole EA aircraft in the inventory. Capabilities of the EA-18G weapon system and ancillary equipment can be upgraded to accomodate and incorporate new or enhanced weapons as well as advances in technology to respond effectively to emerging future threats. E/A-18G "Flight Plan" spiral capability development is critical to the baseline of the EA-18G next generation mission system capability and maintaining tactical relevance in support of Navy Aviation Plan 2030. Development continues for design and integration of avionics systems, integration of Jamming Techniques Optimization improvements, evolutionary software upgrades via the System Configuration Set block builds and related testing. Continued advanced development engineering for improvements in reliability and maintainability are required to ensure maximum benefit is achieved through reduced cost of ownership and to provide enhanced availability.												
B. Program Change Summary (\$ in Millions)				FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total				
Previous President's Budget				13.009	11.138	19.563	-	19.563				
Current President's Budget				11.769	11.138	18.730	-	18.730				
Total Adjustments				-1.240	-	-0.833	-	-0.833				
• Congressional General Reductions				-	-							
• Congressional Directed Reductions				-	-							
• Congressional Rescissions				-	-							
• Congressional Adds				-	-							
• Congressional Directed Transfers				-	-							
• Reprogrammings				-	-							
• SBIR/STTR Transfer				-0.132	-							
• Program Adjustments				-	-	-0.146	-	-0.146				
• Rate/Misc Adjustments				0.001	-	-0.687	-	-0.687				

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• Congressional General Reductions Adjustments		-1.109	-	-	-
<u>Change Summary Explanation</u>					
Technical: Not applicable.					
Schedule: FRP delivery end date moved from 3Q13 to 1Q17, updated to reflect current EA-18G program of record.					
The System Configuration Set (SCS) schedule has had multiple changes due to issues discovered during developmental and operational test requiring additional development time. Specific changes include earlier start for 29C development from 3Q15 to 2Q14; earlier start for 31C development from 3Q17 to 1Q16; 25X Integration Testing end delay from 2Q13 to 1Q14; 27C Integration Testing start earlier from 1Q15 to 2Q14; H14 Integration Testing ending 3Q18 vice 4Q17; H14 Operational Testing start delay from 1Q18 to 4Q18 ending 2Q19 vice 3Q18; H14 Fleet Release from 4Q18 to 4Q19. H10+ specific to IRST for 3Q16 release.					
Also, includes a naming convention change in regards to SCS builds 27, 29 & 31. Initially all "X" labeled builds to include Block I Super Hornets, now 27, 29, & 31 will no longer include Super Hornets thus going back to a "C" SCS label designation to include only legacy A-D aircraft.					
Jamming Techniques Optimization and Obsolescence Redesign extended to 4Q19.					
Flight Plan Engineering / System Configuration Set Development and Integration is a new start EA-18G program beginning in FY15.					

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy									Date: March 2014			
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
3063: EA-18G Development	1,793.181	11.769	11.138	18.730	-	18.730	33.968	47.507	80.148	56.757	57.892	2,111.090
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
Note												
Flight Plan Engineering / System Configuration Set Development and Integration is a new start program beginning in FY15.												
A. Mission Description and Budget Item Justification												
The EA-18G is the replacement aircraft for the EA-6B. The EA-18G development program upgrades the EA-6B's Airborne Electronic Attack (AEA) capability to detect, identify, locate and suppress hostile emitters; provides enhanced connectivity to National, Theater and Strike assets; and provides organic precision emitter targeting for employment of 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 2013	FY 2014	FY 2015	
Title: EA-18G Design and Avionics Integration <div>Articles:</div> 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 2013 Accomplishments: Continue Air Vehicle design and integration of avionics into the EA-18G. Main effort will be the continuing integration of improvements developed through the Jamming Techniques Optimization (JATO) teams. Funded JATO efforts have been significantly reduced from prior years to support the development of software related capabilities. FY 2014 Plans: Continue Air Vehicle design and integration of avionics into the EA-18G. Main effort will be the continuing integration of improvements developed through the Jamming Techniques Optimization (JATO) teams. Funded JATO efforts have been significantly reduced from prior years to support the development of software related capabilities. FY 2015 Plans: Continue integration of improvements developed through the Jamming Techniques Optimization (JATO) teams.									2.370	0.450	0.450	
									-	-	-	
Title: EA-18G Software Development									7.348	8.088	15.700	
									-	-	-	

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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 2013	FY 2014	FY 2015
<p>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.</p> <p>FY 2013 Accomplishments: Funded software development efforts have been significantly increased to support the expanded development requirements of software related capabilities. FY13 funds will continue System Configuration Set (SCS) block software development and integration for the EA-18G, specifically SCS builds 25X, 27X, H10 and H12.</p> <p>FY 2014 Plans: Funded software development efforts have been significantly increased to support the expanded development requirements of software related capabilities. FY14 funds will continue System Configuration Set (SCS) block software development and integration for the EA-18G, specifically SCS builds 25X, 27X, H10 and H12.</p> <p>FY 2015 Plans: Continue System Configuration Set (SCS) block software development and integration for the EA-18G, specifically SCS builds 25X, 27C, H10 and H12.</p>					
<p>Title: EA-18G Developmental & Operational Testing</p> <p>Articles:</p> <p>Description: Funding will be utilized to support required test phases of the EA-18G.</p> <p>FY 2013 Accomplishments: Perform operational test of EA-18G avionics upgrades and System Configuration Set block software updates that were deferred from FY12.</p> <p>FY 2014 Plans: Continued operational test of EA-18G avionics upgrades and System Configuration Set block software updates.</p> <p>FY 2015 Plans: Continue operational test of EA-18G avionics upgrades and System Configuration Set block software updates to include Flight Tests conducted in conjunction with various Fleet Exercises (i.e. FLEX-15).</p>			2.051 -	2.500 -	1.500 -
<p>Title: EA-18G Flight Plan Engineering / System Configuration Set Development and Integration</p> <p>Articles:</p>			- -	- -	1.000 -

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy		Date: March 2014	
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 2013	FY 2014
<p>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.</p> <p>FY 2013 Accomplishments: N/A</p> <p>FY 2014 Plans: N/A</p> <p>FY 2015 Plans: 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. Funding supports development (hardware and software), test and integration efforts for Flight Plan requirements such as Distributed Targeting Processor-Networked (DTP-N) to include Aided Target Recognition, Stationary Target Recognition, Maritime Multiple Target Track and Engagement, Multi-Level Security, Strike Accelerator and Advanced Tactical Data Link; Display Improvements for enhanced sensor integration; Tactical Targeting Network Technology (TTNT) internet protocol capability and Time Difference Of Arrival (TDOA) in support of Integrated Capability Package-3.</p>			
<p>Title: EA-18G Obsolescence Redesign</p> <p align="right">Articles:</p> <p>Description: Develop and test design modifications to address obsolescence issues.</p> <p>FY 2013 Accomplishments: N/A</p> <p>FY 2014 Plans: Develop and test design modifications to hardware components and software systems in response to EA-18G weapon system and ancillary equipment obsolescence issues.</p> <p>FY 2015 Plans: Develop and test design modifications to hardware components and software systems in response to EA-18G weapon system and ancillary equipment obsolescence issues.</p>		- -	0.100 -
Accomplishments/Planned Programs Subtotals		11.769	18.730

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

<u>Line Item</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u> <u>Base</u>	<u>FY 2015</u> <u>OCO</u>	<u>FY 2015</u> <u>Total</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• APN/014300: EA-18G	939.723	2,001.787	44.941	-	44.941	-	-	-	-	-	10,618.482
• APN/05250: F-18 Series (OSIP 011-10)	6.665	23.212	26.344	-	26.344	16.278	15.613	56.069	146.667	219.459	521.845
• RDTEN/1662: F/ A-18 Improvement	112.030	128.032	67.471	-	67.471	53.348	39.387	50.824	72.869	Continuing	Continuing

Remarks

D. Acquisition Strategy

The program achieved Full Rate Production in November 2009. Contractual studies are underway for Operational Requirement Document core Block II activities 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.

E. Performance Metrics

Completion of Full Rate Production Delivery of EA-18G aircraft scheduled for 1st Quarter FY2017.

Complete incorporation of EA-18G specific upgrades into the System Configuration Set block software builds to meet planned Fleet Release dates.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604269N / EA-18 Squadrons				Project (Number/Name) 3063 / EA-18G Development					
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering (System Configuration Set / Software)	WR	NAWCAD : Pax River, MD	30.396	0.409	Nov 2012	-		-		-		-	Continuing	Continuing	Continuing
Systems Engineering (SCS/SW)	WR	NAWCWD : China Lake, CA	80.696	2.117	Nov 2012	1.389	Nov 2013	4.814	Nov 2014	-		4.814	Continuing	Continuing	Continuing
Systems Engineering (JATO/SCS/SW)	WR	NAWCWD : Pt. Mugu, CA	57.782	5.451	Nov 2012	5.336	Nov 2013	9.512	Nov 2014	-		9.512	Continuing	Continuing	Continuing
Systems Engineering (JATO)	WR	NSWC Det : Crane, IN	14.262	0.631	Jul 2013	-		-		-		-	Continuing	Continuing	Continuing
Systems Engineering (JATO)	WR	Naval Research Laboratory : Washington, DC	2.022	0.500	Feb 2013	0.200	Feb 2014	0.200	Feb 2015	-		0.200	Continuing	Continuing	Continuing
Systems Engineering (JATO)	WR	NAVSEASYS COM : Washington, DC	4.314	0.500	Mar 2013	0.250	Feb 2014	0.250	Feb 2015	-		0.250	Continuing	Continuing	Continuing
Prior Year Dev cost no longer funded in FYDP	Various	Various : Various	1,078.974	-		-		-		-		-	-	1,078.974	-
Subtotal			1,268.446	9.608		7.175		14.776		-		14.776	-	-	-
Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Obsolescence Redesign	TBD	TBD : TBD	0.000	-		0.100	Jun 2014	0.080	Jun 2015	-		0.080	Continuing	Continuing	Continuing
Prior Year Support cost no longer funded in FYDP	Various	Various : Various	235.789	-		-		-		-		-	-	235.789	-
Subtotal			235.789	-		0.100		0.080		-		0.080	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604269N / EA-18 Squadrons				Project (Number/Name) 3063 / EA-18G Development					
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Integration & Operational Testing	WR	Various : Various	111.707	0.318	Jul 2013	0.700	Jul 2014	1.500	Jul 2015	-		1.500	Continuing	Continuing	Continuing
AIM-120 Test Asset	MIPR	USAF : Eglin AFB, FL	0.000	-		1.800	Jul 2014	-		-		-	-	1.800	-
AIM-9X Test Assets	C/CPFF	Raytheon : Tuscon, AZ	0.000	1.033	Aug 2013	-		-		-		-	-	1.033	1.033
Prior Year T&E cost no longer funded in FYDP	Various	Various : Various	106.400	-		-		-		-		-	-	106.400	-
Subtotal			218.107	1.351		2.500		1.500		-		1.500	-	-	-
Remarks Test Assets (AIM-120, AIM-9X) procured as live fire and E3/HERO test assets in support of EA-18G software development and weapons integration efforts specific to the EA-18G.															
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support (Seaport-CSS)	C/CPFF	Wyle Lab : Pax River, MD	12.533	0.190	Nov 2012	0.616	Nov 2013	0.616	Nov 2014	-		0.616	1.073	15.028	15.028
Government Engineering Support	WR	NAWCAD : Pax River, MD	32.097	0.218	Nov 2012	0.420	Nov 2013	0.425	Nov 2014	-		0.425	Continuing	Continuing	Continuing
Program Management Support	WR	NAWCAD : Pax River, MD	22.313	0.352	Nov 2012	0.277	Nov 2013	0.283	Nov 2014	-		0.283	Continuing	Continuing	Continuing
Travel	WR	Various : Various	2.555	0.050	Nov 2012	0.050	Nov 2013	0.050	Nov 2014	-		0.050	Continuing	Continuing	Continuing
Flight Plan Engineering / System Configuration Set Development & Integration	WR	NAWCAD : Pax River, MD	0.000	-		-		0.700	Nov 2014	-		0.700	Continuing	Continuing	Continuing
Flight Plan Engineering / System Configuration Set Development & Integration	WR	NAWCWD : China Lake, CA	0.000	-		-		0.300	Nov 2014	-		0.300	Continuing	Continuing	Continuing
Prior Year Mgmt cost no longer funded in FYDP	Various	Various : Various	1.341	-		-		-		-		-	-	1.341	-

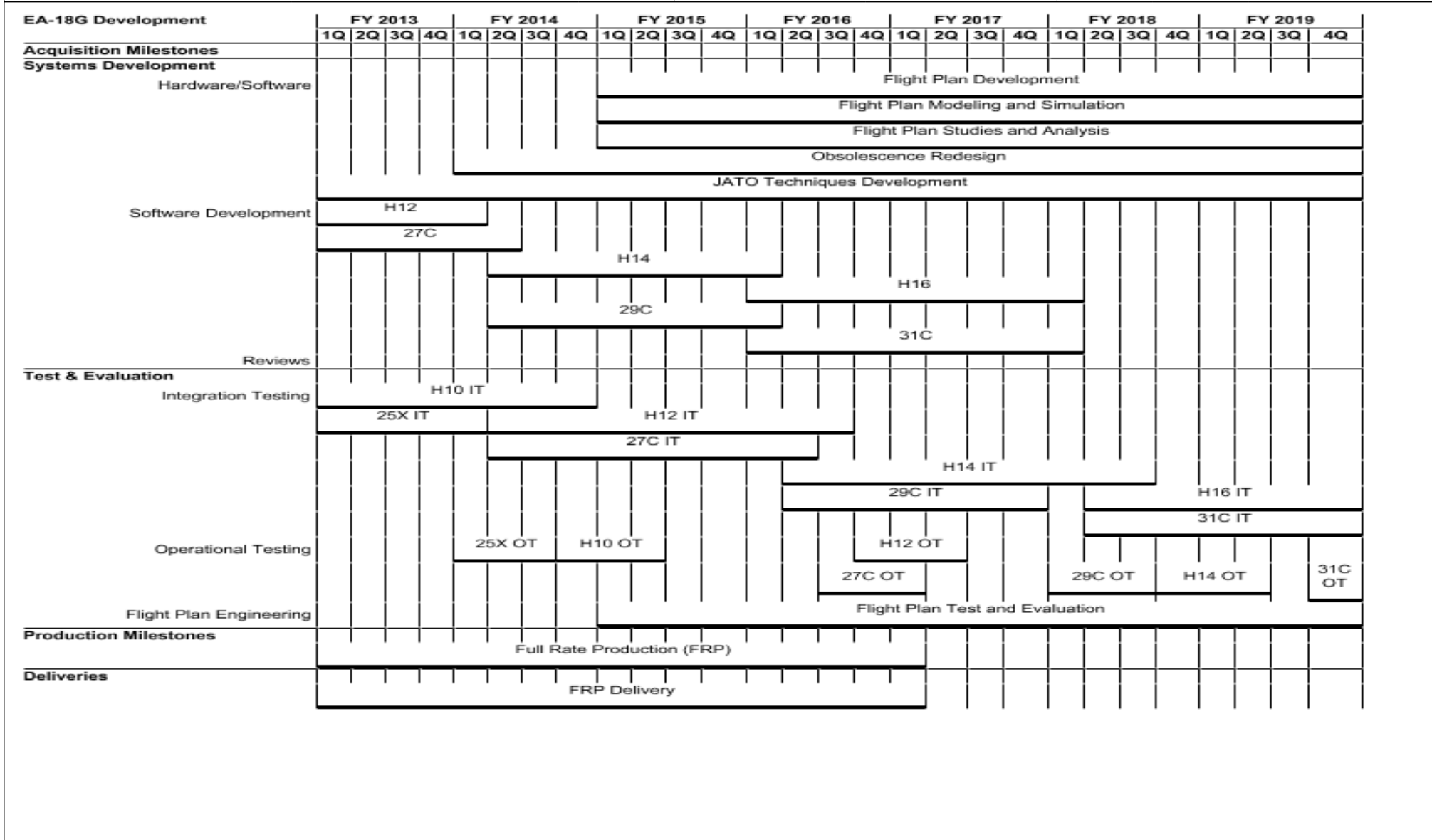
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PE 0604269N: *EA-18 Squadrons*
Navy

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy	Date: March 2014
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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-4, RDT&E Schedule Profile: PB 2015 Navy															Date: March 2014									
Appropriation/Budget Activity										R-1 Program Element (Number/Name)										Project (Number/Name)				
1319 / 5										PE 0604269N / EA-18 Squadrons										3063 / EA-18G Development				
SCS Block Fleet Release										25X		H10		27C		H12		29C		H14				
										▼		▼		▼		▼		▼						
2015PB - 0604269N - 3063																								

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Navy			Date: March 2014
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604269N / <i>EA-18 Squadrons</i>	Project (Number/Name) 3063 / <i>EA-18G Development</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>EA-18G Development</i>				
Systems Development: Hardware/Software: Flight Plan Development	1	2015	4	2019
Systems Development: Hardware/Software: Flight Plan Modeling and Simulation	1	2015	4	2019
Systems Development: Hardware/Software: Flight Plan Studies and Analysis	1	2015	4	2019
Systems Development: Hardware/Software: Obsolescence Redesign Development and Testing	1	2014	4	2019
Systems Development: Hardware/Software: JATO Techniques Development	1	2013	4	2019
Systems Development: Software Development: H12 Software Development	1	2013	1	2014
Systems Development: Software Development: 27C Software Development	1	2013	2	2014
Systems Development: Software Development: H14 Software Development	2	2014	1	2016
Systems Development: Software Development: H16 Software Development	1	2016	1	2018
Systems Development: Software Development: 29C Software Development	2	2014	1	2016
Systems Development: Software Development: 31C Software Development	1	2016	1	2018
Test & Evaluation: Integration Testing: H10 Integration Testing	1	2013	4	2014
Test & Evaluation: Integration Testing: H12 Integration Testing	2	2014	3	2016
Test & Evaluation: Integration Testing: 25X Integration Testing	1	2013	1	2014
Test & Evaluation: Integration Testing: 27C Integration Testing	2	2014	2	2016
Test & Evaluation: Integration Testing: H14 Integration Testing	2	2016	3	2018
Test & Evaluation: Integration Testing: H16 Integration Testing	2	2018	4	2019
Test & Evaluation: Integration Testing: 29C Integration Testing	2	2016	4	2017
Test & Evaluation: Integration Testing: 31C Integration Testing	2	2018	4	2019
Test & Evaluation: Operational Testing: H10 Operational Testing	4	2014	2	2015
Test & Evaluation: Operational Testing: H12 Operational Testing	4	2016	2	2017

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Navy	Date: March 2014
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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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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Test & Evaluation: Operational Testing: 25X Operational Testing	1	2014	3	2014
Test & Evaluation: Operational Testing: 27C Operational Testing	3	2016	1	2017
Test & Evaluation: Operational Testing: H14 Operational Testing	4	2018	2	2019
Test & Evaluation: Operational Testing: 29C Operational Testing	1	2018	3	2018
Test & Evaluation: Operational Testing: 31C Operational Testing	4	2019	4	2019
Test & Evaluation: Flight Plan Engineering: Developmental, Integration and Operational Testing	1	2015	4	2019
Production Milestones: Full Rate Production	1	2013	1	2017
Deliveries: FRP Delivery	1	2013	1	2017
Deliveries: SCS Block Fleet Release: H10 Fleet Release	4	2015	4	2015
Deliveries: SCS Block Fleet Release: H12 Fleet Release	4	2017	4	2017
Deliveries: SCS Block Fleet Release: 25X Fleet Release	4	2014	4	2014
Deliveries: SCS Block Fleet Release: 27C Fleet Release	2	2017	2	2017
Deliveries: SCS Block Fleet Release: 29C Fleet Release	4	2018	4	2018
Deliveries: SCS Block Fleet Release: H14 Fleet Release	4	2019	4	2019