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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy	DATE: February 2012
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>				PE 0604234N: <i>Advanced Hawkeye</i>							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	168.157	130.994	119.065	-	119.065	124.988	129.542	112.882	119.483	28.700	933.811
3051: <i>E-2D Adv Hawkeye</i>	168.157	110.994	119.065	-	119.065	124.988	129.542	112.882	119.483	28.700	913.811
9999: <i>Congressional Adds</i>	-	20.000	-	-	-	-	-	-	-	0.000	20.000

A. Mission Description and Budget Item Justification

The E-2D Advanced Hawkeye (AHE) program develops, demonstrates, tests, and procures the replacement of the AN/APS-145 radar system and other aircraft system components including Cooperative Engagement Capability Pre-Planned Product Improvement and Dual Transmit Satellite Communications that modernize the E-2 weapon system to maintain open ocean mission capability while providing the United States Navy with an effective littoral surveillance, battle management, and Theater Air and Missile Defense (TAMD) capability. Key radar technologies are Space-Time Adaptive Processing, Electronically Scanning Array, solid state transmitter, high dynamic range digital receivers and Identification Friend or Foe (IFF)/radar aperture integration. The resultant detection system will provide a substantially improved overland performance by correcting current sensor shortfalls and enhancing all current required mission areas, while simultaneously contributing to the emerging TAMD mission requirements. Mode 5/S is an upgrade to the existing IFF System providing the warfighter positive, secure and reliable identification of friendly aircraft, surface and sub-surface platforms. Mode 5/S replaces the National Security Administration de-certified Mode 4 IFF capability, which is no longer effective or suitable for modern military operations. Mode 5/S will support the Joint Initial Operational Capability (IOC) as defined by the Joint Requirements Oversight Council.

The E-2D program is currently in developmental test through FY12 utilizing four System Development and Demonstration test aircraft based at NAS Patuxent River, Maryland and one Operational Test aircraft assigned to the E-2/C-2 Fleet Replacement Squadron (VAW-120) at Norfolk, Virginia. Milestone C approval received in June 2009 granting the program the authority to enter the Production and Deployment phase and procure Low Rate Initial Production (LRIP) Lots 1 and 2 (total of five aircraft), which are on contract to deliver thru FY13. The E-2D program proceeded to a Defense Acquisition Board with USD(AT&L) in March 2011, at which time the program received authorization to let contracts for LRIP Lots 3 and 4 as well as Advance Acquisition Contract for Full Rate Production (FRP) Lot 1. Initial Operational Test and Evaluation (IOT&E) is planned in FY12, and the Full Rate Production Decision Review is planned in 1QFY13 with subsequent FRP 1 contract award. IOC is planned for 1QFY15.

An In-Flight Refueling (IFR) capability will allow the E-2D AHE to receive fuel from various organic and non-organic tanker aircraft. It provides Expanded Battle Space Surveillance and Targeting through significantly enhanced persistence and increased flexibility (range & endurance). IFR will better enable the E-2D AHE to fully support current Carrier Strike Group /Joint 24/7 Theater Operations by providing more versatile stationing and/or forward basing options. Previous domestic E-2 concept demonstration effort successfully established the feasibility of tanking behind the F/A-18E/F and KC-130 aircraft under E-2 Squadrons, PE 0204152N.

Link-16 Crypto Modernization and frequency remap are required to satisfy the National Security Agency and Federal Aviation Administration mandates. E-2D AHE uses Link-16 to exchange and provide tactical information with other tactical units. The Link-16 Crypto Modernization and frequency remap effort requires the integration of a modified Multifunctional Information Distribution System - Low Volume Terminal (1) terminal and software modification to the E-2D AHE mission computer operational flight program.

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BA 5: Development & Demonstration (SDD)						
The Ultra High Frequency (UHF) Guard Radio allows the aircrew to monitor the emergency UHF Guard frequency without having to dedicate a specific radio, freeing that radio up for use in the tactical mission. Because of the UHF Tunable Filter Amplifiers, the ARC-210 radios cannot provide continuous UHF guard monitoring, although the internal guard receiver is operational. A separate Ultra High Frequency (UHF) guard receiver is provided for monitoring the UHF guard (243 MHz) frequency. It is powered by the Guard switch located on the Communication/Control Display Unit Power Panel.						
FY2013 starts a Counter Electronic Attack (CEA) capability which will allow the E-2D radar system to maintain performance in an advanced hostile intentional electromagnetic interference environment. The E-2D CEA program will ensure E-2D effectiveness is maintained in an Electronic Attack environment supporting the Naval Integrated Fire Control - Counter Air (NIFC-CA) capability and overall Navy and Joint Integrated Air and Missile Defense strategy.						
FY2014 starts an E-2D Secret Internet Protocol Router (SIPR) chat program. The SIPR-chat capability will support integration of current collaboration tools including tactical "chat" (text) communications, real-time tasking, and Air Tasking Order distribution. Recent real world operations have demonstrated a migration of Command and Control communications from voice to Internet protocol based networks.						
B. Program Change Summary (\$ in Millions)		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget		171.132	110.994	78.551	-	78.551
Current President's Budget		168.157	130.994	119.065	-	119.065
Total Adjustments		-2.975	20.000	40.514	-	40.514
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	20.000			
• Congressional Directed Transfers		-	-			
• Reprogrammings		2.500	-			
• SBIR/STTR Transfer		-4.556	-			
• Program Adjustments		-	-	40.376	-	40.376
• Rate/Misc Adjustments		-	-	0.138	-	0.138
• Congressional General Reductions Adjustments		-0.919	-	-	-	-
Congressional Add Details (\$ in Millions, and Includes General Reductions)						
Project: 9999: Congressional Adds						
Congressional Add: Adv Radar Innovation Fund - Air (Cong)						
Congressional Add Subtotals for Project: 9999						
		FY 2011	FY 2012			
		-	20.000			
		-	20.000			

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<u>Congressional Add Details (\$ in Millions, and Includes General Reductions)</u>		FY 2011	FY 2012
Congressional Add Totals for all Projects		-	20.000
<u>Change Summary Explanation</u> Technical: Added FY2013 New Start implemented as a result of Alt POM Budget Issue 66724 E-2D Counter Electronic Attack. Schedule: Updated Follow On Test & Evaluation, delivery schedule and number of E-2D Advanced Hawkeye aircraft deliveries. Also, updated In-Flight Refueling schedule to reflect updated Engineering & Manufacturing Development, Reviews and Test & Evaluation. Added E-2D Counter Electronic Attack Schedule. Updated the Operational Test Readiness Review (OTRR) and Operational Evaluation (OE).			

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COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
3051: <i>E-2D Adv Hawkeye</i>	168.157	110.994	119.065	-	119.065	124.988	129.542	112.882	119.483	28.700	913.811
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

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<p>The Ultra High Frequency (UHF) Guard Radio allows the aircrew to monitor the emergency UHF Guard frequency without having to dedicate a specific radio, freeing that radio up for use in the tactical mission. Because of the UHF Tunable Filter Amplifiers, the ARC-210 radios can not provide continuous UHF guard monitoring, although the internal guard receiver is operational. A separate Ultra High Frequency (UHF) guard receiver is provided for monitoring the UHF guard (243 MHz) frequency. It is powered by the Guard switch located on the Communication/Control Display Unit Power Panel.</p> <p>FY2013 starts a Counter Electronic Attack (CEA) capability which will allow the E-2D radar system to maintain performance in an advanced hostile intentional electromagnetic interference environment. The E-2D CEA program will ensure E-2D effectiveness is maintained in an Electronic Attack environment supporting the Naval Integrated Fire Control - Counter Air (NIFC-CA) capability and overall Navy and Joint Integrated Air and Missile Defense strategy.</p> <p>FY2014 starts an E-2D Secret Internet Protocol Router (SIPR) chat program. The SIPR-chat capability will support integration of current collaboration tools including tactical "chat" (text) communications, real-time tasking, and Air Tasking Order distribution. Recent real world operations have demonstrated a migration of Command and Control communications from voice to Internet protocol based networks.</p>					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2011	FY 2012	FY 2013
<p>Title: System Development and Demonstration</p> <p>Articles:</p> <p>Description: System Development and Demonstration (SDD) contract with Northrop Grumman Corporation for SDD and Pilot Production efforts for the E-2D Advanced Hawkeye (AHE) Program.</p> <p>FY 2011 Accomplishments: Conducted System Functional Qualification Testing, Operational Evaluation (OPEVAL) readiness testing and Production Validation, Weapon System functional and physical configuration audits of Pilot Production aircraft.</p> <p>FY 2012 Plans: Conduct OPEVAL.</p> <p>FY 2013 Plans: Funding provides continued support of Post OPEVAL SDD efforts for the E-2D AHE Program.</p>			73.540 0	7.636 0	4.345 0
<p>Title: Naval Air Warfare Center Aircraft Division Engineering and Test Support</p> <p>Articles:</p> <p>Description: Fund Government Engineering, Contractor Engineering, and Classified Engineering Support. Perform Government oversight. Execute test program risk reduction efforts.</p> <p>FY 2011 Accomplishments:</p>			41.605 0	61.281 0	27.846 0

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013
Funded the continuation of developmental testing including radar performance testing, remaining full system integration testing, and Naval Integrated Fire Control - Couter Air (NIFC-CA) AHE efforts. Continue Weapon System Specification Verification for resolution of deficiencies prior to Operational Evaluation. FY 2012 Plans: Funding is for OPEVAL, NIFC-CA AHE, In-Flight Refueling and Follow-On Test & Evaluation efforts. FY 2013 Plans: Funding provides continued support of Follow-On Test & Evaluation, In-Flight Refueling and Naval Integrated Fire Control - Counter Air efforts.				
Title: NC-130H/E-2D Classified Programs Description: Provides support for the E-2D Advanced Hawkeye (AHE) Classified Development efforts. FY 2011 Accomplishments: Funded the continuation of E-2D AHE Classified Development efforts. FY 2012 Plans: Funding is for the continuation of E-2D AHE Classified Development efforts. FY 2013 Plans: Funding is for the continuation of E-2D AHE Classified Development efforts.		Articles: 11.341 0	0.802 0	5.700 0
Title: Trainers Description: Funds the design, development and delivery of the trainers in support of the E-2D AHE program. FY 2011 Accomplishments: Funded the development of the Weapon System Trainer (WST) and the Simulated Maintenance Trainer, also funded the delivery of the Operational Flight Trainer (OFT). FY 2012 Plans: Funding is for the development of the WST and the Simulated Maintenance Trainer, also funds the delivery of the OFT. FY 2013 Plans:		Articles: 29.993 0	14.152 0	6.030 0

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013
Funding is for Cooperative Engagement Capability Training Device Capability to train Theater Air Missile Defense and Dual E-2D Operations Tactical Training efforts.				
Title: Mode 5/S Articles: Description: Mode 5/S is the replacement/upgrade to the existing Identification Friend or Foe system. FY 2011 Accomplishments: Funded system development, integration and testing to support the incorporation of Identification Friend or Foe (IFF) Mode 5/S technology into the E-2D Advanced Hawkeye (AHE) IFF Interrogator mission equipment. Integration testing included laboratory and ground tests. FY 2012 Plans: Funding is for system development, integration and testing to support the incorporation of IFF Mode 5/S technology into the E-2D AHE IFF Interrogator mission equipment. Integration testing will include laboratory, ground tests. FY 2013 Plans: Funding is for continued system development, integration and testing to support the incorporation of IFF Mode 5/S technology into the E-2D AHE IFF Interrogator mission equipment. Integration testing will include laboratory, ground and flight tests.		11.678 0	20.077 0	31.112 0
Title: Guard Radio Articles: Description: The Ultra High Frequency (UHF) Guard Radio allows the aircrew to monitor the emergency UHF Guard frequency without having to dedicate a specific radio, freeing that radio up for use in the tactical mission. Due to the UHF Tunable Filter Amplifiers, the ARC-210 radios can not provide continuous UHF guard monitoring, although the internal guard receiver is operational. A separate UHF guard receiver is provided for monitoring the UHF guard (243 MHz) frequency. It is powered by the Guard switch located on the Communication/Control Display Unit Power Panel. FY 2012 Plans: Funding is for engineering efforts and system integration. FY 2013 Plans: Funds provided for continued engineering and systems integration support.		-	1.898 0	3.598 0
Title: In-Flight Refueling Articles:		-	5.148 0	33.034 0

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2011	FY 2012	FY 2013
Description: Funds the system development and testing to support the incorporation of In-Flight Refueling capability into the E-2D AHE aircraft. Emphasis during system development is on system redesign, air vehicle design, human systems integration and design, including interior/lighting modifications and seat replacement. Flight testing is required to evaluate field of view, thermal and aerodynamic loads, kinematic performance, and handling qualities. FY 2012 Plans: Funding is for the system development and risk reduction efforts. FY 2013 Plans: Funding provided for Engineering & Manufacturing Development (E&MD) of In-Flight Refueling.												
Title: E-2D Counter Electronic Attack Articles: Description: Funds the mission system development and testing of the capability to counter Direct Radar Frequency Measurement (DRFM) radar threats. The E&MD effort will focus on integration of capability in the radar and mission computer and display systems, system integration, and laboratory and flight test validation. FY 2013 Plans: Funds provided for initiation of E&MD for E-2D Counter Electronic Attack capability.										-	-	7.400 0
Accomplishments/Planned Programs Subtotals										168.157	110.994	119.065
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost	
• APN/0195 : E-2D AHE	1,104.995	1,044.834	984.677	0.000	984.677	1,151.265	1,396.652	1,346.115	1,519.352	5,834.916	19,326.794	
• APN/0605: Initial Spares - E-2	42.977	30.012	55.383	0.000	55.383	25.298	21.934	26.473	28.745	118.422	594.116	
• APN/0544: E-2 Series (Includes OSIPs 008-14 Dual Transmit SATCOM, 009-14 Mode 5/S, and 011-14 E-2D Avionics)	0.000	0.000	0.000	0.000	0.000	8.955	12.401	13.199	15.172	50.092	99.819	
D. Acquisition Strategy												
Acquisition Strategy was signed by Milestone Decision Authority, Under Secretary of Defense for Acquisition, Technology and Logistics on 29 Dec 2008. Milestone C approval to proceed into Production and Deployment was given 11 June 2009 by the Defense Acquisition Board (DAB).												

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E. Performance Metrics

Successfully received a DAB decision for approval to procure Low Rate Initial Production Lots III and IV as well as Advance Acquisition Contract for the procurement of long lead items to support Full Rate Production Lot I. Conduct an Operational Test Readiness Review for entrance into Operational Evaluation.

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Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Primary Hardware Development	SS/CPAF	Northrop Grumman Corporation (NGC):Bethpage, NY	2,873.687	16.306	Feb 2012	29.380	Feb 2013	-		29.380	217.189	3,136.562	3,136.561	
Primary Hardware - In-Flight Refueling	TBD	NGC:Bethpage, NY	-	5.148	May 2012	8.148	May 2013	-		8.148	38.456	51.752	51.752	
Training Development	C/CPIF	Rockwell Collins:Cedar Rapids, IA	105.067	13.183	May 2012	4.460	May 2013	-		4.460	0.000	122.710	122.710	
Training Development	C/CPIF	Lockheed Martin:Liverpool, NY	6.734	0.238	May 2012	0.930	May 2013	-		0.930	0.000	7.902	7.902	
Training Development	Reqn	JHU:Laurel, MD	-	-		0.450	May 2013	-		0.450	0.000	0.450		
Systems Engineering	PO	Navy Syst Mgt Activity:Arlington, VA	162.273	0.800	Mar 2012	0.500	Mar 2013	-		0.500	0.000	163.573		
GFE	Various	Various:Various	31.509	-		-		-		-	1.199	32.708		
Award Fees	SS/CPAF	NGC:Bethpage, NY	142.874	-		-		-		-	0.000	142.874	142.874	
Prior Year Costs No Longer Funded in FYDP	Various	Various:Various	168.042	-		-		-		-	0.000	168.042		
Subtotal			3,490.186	35.675		43.868		-		43.868	256.844	3,826.573		
Remarks Totals may not add due to rounding. Award Fee: Period 1 FY04 - 90% Period 7 FY08 - 94% Period 2 FY04 - 91% Period 8 FY09 - 93% Period 3 FY05 - 80% Period 9 FY09 - 95% Period 4 FY06 - 94% Period 10 FY10 - 100% Period 5 FY06 - 100% Period 11 FY11 - 95% Period 6 FY07 - 95%														
Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Development Support	Various	Various:Various	9.400	-		-		-		-	1.228	10.628		

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Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development	SS/CPIF	NGC:Bethpage, NY	24.223	14.171	Apr 2012	15.726	Apr 2013	-		15.726	47.807	101.927	101.927
Integrated Logistics Support	Various	Various:Various	7.825	1.104	Nov 2011	2.291	Nov 2012	-		2.291	4.301	15.521	
Integrated Logistics Support	TBD	NGC:Bethpage, NY	-	0.030	Mar 2012	0.720	Mar 2013	-		0.720	5.746	6.496	6.496
Government Engineering Sup	WR	Naval Air Warfare Center Aircraft Division (NAWCAD:Pax River, MD	82.202	3.613	Nov 2011	8.139	Nov 2012	-		8.139	40.503	134.457	
Government Engineering Sup	WR	Naval Air Warfare Center Training Systems Division:Orlando, FL	9.404	0.731	Nov 2011	0.190	Nov 2012	-		0.190	0.000	10.325	
Government Engineering Sup	Various	Various:Various	11.262	0.503	Nov 2011	1.825	Nov 2012	-		1.825	15.361	28.951	
Contractor Engineering Supt ETS	C/CPFF	Wyle Labs:Huntsville, AL	21.353	2.442	Dec 2011	0.667	Dec 2012	-		0.667	1.740	26.202	26.202
Contractor Engineering Supt ETS	C/CPFF	Deloitte:Lexington Park, MD	3.356	0.427	Dec 2011	-		-		-	0.000	3.783	3.783
Technical Data	Various	Various:Various	0.133	0.200	Mar 2012	0.823	Mar 2013	-		0.823	6.394	7.550	
Configuration Management	TBD	Various:Various	-	0.125	Dec 2011	0.227	Dec 2012	-		0.227	3.426	3.778	
Prior Year Costs No Longer Funded in FYDP	Various	Various:Various	29.908	-		-		-		-	0.000	29.908	
Software Development	Various	NSMA:Arlington, VA	-	-		7.019	Nov 2012	-		7.019	61.807	68.826	
Subtotal			199.066	23.346		37.627		-		37.627	188.313	448.352	
Remarks Totals may not add due to rounding. Development Support, Integrated Logistics Support, Government Engineering Support, Contractor Engineering Support, Technical Data and Configuration Management - various contractors and award dates throughout the fiscal year.													

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Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (T&E)	WR	NAWCAD:Pax River, MD	68.918	9.097	Nov 2011	19.980	Nov 2012	-		19.980	36.733	134.728	
Developmental T & E	Various	Various:Various	25.965	1.411	Dec 2011	6.298	Dec 2012	-		6.298	0.000	33.674	
Developmental T & E 1	TBD	Various:Various	-	7.658	Mar 2012	6.320	Mar 2013	-		6.320	22.119	36.097	
Developmental T&E ETS	C/CPFF	Wyle Labs:Huntsville, AL	9.373	2.972	Dec 2011	2.040	Dec 2012	-		2.040	0.000	14.385	14.385
Developmental T&E ETS	Various	Various:Various	4.476	2.097	Dec 2011	-		-		-	0.000	6.573	
Developmental T&E ETS	C/FFP	L-3 Communications:Newport News, VA	7.023	1.809	Dec 2011	1.125	Dec 2012	-		1.125	1.100	11.057	11.057
Operational T & E	WR	NAWCAD:Pax River, MD	0.146	23.862	Nov 2011	0.865	Nov 2012	-		0.865	3.855	28.728	
Operational T & E	Various	Various:Various	4.273	0.759	Dec 2011	-		-		-	0.000	5.032	
Test Assets	SS/CPAF	NGC:Bethpage, NY	3.900	0.199	Mar 2012	0.151	Mar 2013	-		0.151	0.268	4.518	4.518
Prior Year Costs No Longer Funded in FYDP	Various	Various:Various	9.155	-		-		-		-	0.000	9.155	
Developmental T & E	C/CPFF	Airborne Tactical Advantage Co, LLC:Pax River, MD	-	-		-		-		-	2.473	2.473	2.472
Subtotal			133.229	49.864		36.779		-		36.779	66.548	286.420	
Remarks													
Totals may not add due to rounding. Developmental Test & Evaluation (T&E), Developmental T&E, Engineering & Techncial Services and Operational T&E - various contractors and award dates throughout the fiscal year.													
Management Services (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Engineering Support Management &	Various	Various:Various	2.691	0.903	Dec 2011	0.192	Dec 2012	-		0.192	0.940	4.726	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy										DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604234N: Advanced Hawkeye				PROJECT 3051: E-2D Adv Hawkeye					
Management Services (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Professional Support Services (MSS)													
Contractor Engineering Support MSS	C/CPFF	Wyle Labs:Huntsville, AL	10.938	0.345	Dec 2011	-		-		-	0.000	11.283	11.283
Government Engineering Support	WR	NAWCAD:Pax River, MD	10.562	0.610	Nov 2011	0.402	Nov 2012	-		0.402	2.669	14.243	
Program Management Support	Various	Various:Various	1.920	0.095	Nov 2011	0.075	Nov 2012	-		0.075	0.000	2.090	
Travel	Various	Various:Various	2.144	0.156	Oct 2011	0.122	Oct 2012	-		0.122	1.344	3.766	
Prior Year Costs No Longer Funded in FYDP	Various	Various:Various	40.632	-		-		-		-	0.000	40.632	
Subtotal			68.887	2.109		0.791		-		0.791	4.953	76.740	
Remarks													
Totals may not add due to rounding. Contractor Engineering Support, Government Engineering Support, Program Support and Travel - various contractors and/or award dates throughout the fiscal year.													
			Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			3,891.368	110.994		119.065		-		119.065	516.658	4,638.085	
Remarks													
Totals may not add due to rounding.													

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604234N: <i>Advanced Hawkeye</i>	PROJECT 3051: <i>E-2D Adv Hawkeye</i>

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604234N: <i>Advanced Hawkeye</i>	PROJECT 3051: <i>E-2D Adv Hawkeye</i>

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604234N: <i>Advanced Hawkeye</i>	PROJECT 3051: <i>E-2D Adv Hawkeye</i>

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604234N: <i>Advanced Hawkeye</i>	PROJECT 3051: <i>E-2D Adv Hawkeye</i>

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604234N: <i>Advanced Hawkeye</i>	PROJECT 3051: <i>E-2D Adv Hawkeye</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Navy			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604234N: <i>Advanced Hawkeye</i>	PROJECT 3051: <i>E-2D Adv Hawkeye</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
E-2D Adv Hawkeye				
Acquistion Milestones: Milestones: Acquistion Milestones - Defense Acquisition Board	2	2011	2	2011
Acquistion Milestones: Milestones: Acquistion Milestones - Full Rate Production (FRP)	1	2013	1	2013
Acquistion Milestones: Milestones: Acquistion Milestones - Initial Operational Capabilities	1	2015	1	2015
Test & Evaluation: Technical Evaluation: Test & Evaluation Milestones - Development Test - System Development & Demonstration #1 & 2	1	2011	4	2011
Test & Evaluation: Technical Evaluation: Test & Evaluation Milestones - Developmental Test (DT)/DT Assist - Pilot Production	1	2011	4	2011
Test & Evaluation: Operational Evaluation: Test & Evaluation Milestones - Operational Test - Readiness Review	2	2012	2	2012
Test & Evaluation: Operational Evaluation: Test & Evaluation Milestones - Operational Evaluation	3	2012	4	2012
Test & Evaluation: Operational Evaluation: Follow On Test & Evaluation	1	2012	4	2017
Production Milestones: Contract Awards: Production Milestones - LRIP III CA (5 A/C APN)	3	2011	3	2011
Production Milestones: Contract Awards: Production Milestones - LRIP IV CA (5 A/C APN)	2	2012	2	2012
Production Milestones: Contract Awards: Production Milestones - FRP Lot I CA	3	2013	3	2013
Production Milestones: Contract Awards: Production Milestones - FRP Lot II CA	2	2014	2	2014
Production Milestones: Contract Awards: Production Milestones - FRP Lot III CA	2	2015	2	2015
Production Milestones: Contract Awards: Production Milestones - FRP Lot IV CA	2	2016	2	2016
Deliveries: Production Deliveries - LRIP I (2 A/C APN)	4	2011	1	2012
Deliveries: Production Deliveries - LRIP II (3 A/C APN)	3	2012	4	2013

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Navy			DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)		R-1 ITEM NOMENCLATURE PE 0604234N: Advanced Hawkeye		PROJECT 3051: E-2D Adv Hawkeye	
		Start		End	
Events by Sub Project		Quarter	Year	Quarter	Year
Deliveries: Production Deliveries - LRIP III (5 A/C APN)		1	2014	4	2014
Deliveries: Production Deliveries - LRIP IV (5 A/C APN)		1	2015	3	2015
Deliveries: Production Deliveries - FRP I (5 A/C)		4	2015	1	2016
Deliveries: Production Deliveries - FRP II (5 A/C)		2	2016	1	2017
E-2D Adv Hawkeye IFR					
System Development: Hardware/Software Development: In-Flight Refueling - Valve Trade Study - Risk Reduction		1	2012	1	2013
System Development: Hardware/Software Development: In-Flight Refueling - Engineering & Manufacturing Development		1	2013	4	2017
System Development: Reviews: In-Flight Refueling - System Requirements Review2/ System Functional Review		4	2013	4	2013
System Development: Reviews: In-Flight Refueling - Preliminary Design Review		1	2014	1	2014
System Development: Reviews: In-Flight Refueling - Critical Design Review		1	2015	1	2015
System Development: Reviews: In-Flight Refueling - Functional Readiness Review		2	2017	2	2017
System Development: Reviews: In-Flight Refueling - Early Operational Assessment		4	2017	4	2017
Test & Evaluation: Technical Evaluation: In-Flight Refueling - SIL Test		1	2016	3	2016
Test & Evaluation: Technical Evaluation: In-Flight Refueling - Fuel Rig Test		4	2016	2	2017
Test & Evaluation: Technical Evaluation: In-Flight Refueling - Instrumentation/Aircraft Mod		1	2017	3	2017
Test & Evaluation: Technical Evaluation: In-Flight Refueling - First Flight		4	2017	4	2017
E-2D Adv Hawkeye Link 16 Crypto Modernization					
System Development: Hardware Development: Link-16 Crypto Modernization - Multifunctional Information Distribution System Hardware Procurement		2	2013	3	2014
System Development: Software Development: Link-16 Crypto Modernization - Software Development		2	2014	1	2015
System Development: Software Development: Link-16 Crypto Modernization - System Integration Laboratory (SIL) Integration		4	2014	2	2015

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Navy

DATE: February 2012

APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy
BA 5: Development & Demonstration (SDD)

R-1 ITEM NOMENCLATURE

PE 0604234N: Advanced Hawkeye

PROJECT

3051: E-2D Adv Hawkeye

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Test & Evaluation: Technical Evaluation: Link-16 Crypto Modernization - Flight Test	2	2015	1	2016
Test & Evaluation: Technical Evaluation: Link-16 Crypto Modernization - Validation (VAL)	2	2016	2	2016
Test & Evaluation: Technical Evaluation: Link-16 Crypto Modernization - Verification (VER)	3	2016	3	2016
E-2D Adv Hawkeye Guard Radio				
System Development: Hardware Development: Guard Radio - System Integration Design	3	2012	4	2013
Test & Evaluation: Technical Evaluation: Guard Radio - SIL Integration & Test	3	2013	4	2014
Test & Evaluation: Technical Evaluation: Guard Radio - VAL	3	2014	3	2014
Test & Evaluation: Technical Evaluation: Guard Radio - Flight Test	4	2014	2	2015
E-2D Counter Electronic Attack				
System Development: Software Development: Counter Electronic Attack - SW Development	3	2013	1	2016
System Development: Software Development: Counter Electronic Attack - SIL Integration	2	2016	4	2016
Test & Evaluation: Developmental T&E: Counter Electronic Attack - DT&E Tech Evaluation	1	2017	3	2017
Test & Evaluation: Operational T&E: Counter Electronic Attack - OT&E	4	2017	4	2017

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0604234N: <i>Advanced Hawkeye</i>				PROJECT 9999: <i>Congressional Adds</i>			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
9999: <i>Congressional Adds</i>	-	20.000	-	-	-	-	-	-	-	0.000	20.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification
Congressional Add

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2011	FY 2012
Congressional Add: Adv Radar Innovation Fund - Air (Cong)	-	20.000
FY 2012 Plans: N/A		
Congressional Adds Subtotals	-	20.000

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

D. Acquisition Strategy
Not required for Congressional Adds

E. Performance Metrics
Not required for Congressional Adds