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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Navy									DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0101402N: Navy Strategic Comms							
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	40.991	46.170	10.331	0.000	10.331	10.328	1.454	0.000	0.000	0.000	280.253
3002: Navy Strategic Comm Project	40.991	43.780	10.331	0.000	10.331	10.328	1.454	0.000	0.000	0.000	273.926
9999: Congressional Adds	0.000	2.390	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.327
A. Mission Description and Budget Item Justification											
The E-6B Block I modification program corrects Airborne National Command Post program Follow-On Operational Test and Evaluation operational suitability deficiencies and addresses legacy system obsolescence issues. Without the Block I program, legacy system obsolescence will result in several unsupportable mission systems by 2010. Block I designs, develops, integrates, and tests a Multi-Level Security system, Open Systems Architecture; replaces the intercommunications and Mission Computer Set; modifies the cooling, electrical, and Ultra-High Frequency Command, Control and Communications system; and addresses Internet Protocol Bandwidth Expansion impacts to pre-Block I baseline aircraft. Block I adds operator workstations throughout the aircraft to reduce workload and improve system interoperability, and provides a foundation for evolutionary upgrades. Other modifications (Block IA) include: an additional Auxiliary Power Unit to enhance power and cooling capabilities supporting the additional systems in the Multi-Level Security system, Open Systems Architecture, a Very Low Frequency Transmitter obsolescence replacement, and a High Power Transmit Set subsystem refurbishment.											
B. Program Change Summary (\$ in Millions)											
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total						
Previous President's Budget	43.296	43.982	0.000	0.000	0.000						
Current President's Budget	40.991	46.170	10.331	0.000	10.331						
Total Adjustments	-2.305	2.188	10.331	0.000	10.331						
• Congressional General Reductions		-0.192									
• Congressional Directed Reductions		0.000									
• Congressional Rescissions	0.000	-0.020									
• Congressional Adds		2.400									
• Congressional Directed Transfers		0.000									
• Reprogrammings	-1.000	0.000									
• SBIR/STTR Transfer	-1.305	0.000									
• Program Adjustments	0.000	0.000	10.331	0.000	10.331						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Navy		DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>		R-1 ITEM NOMENCLATURE PE 0101402N: <i>Navy Strategic Comms</i>	

<p><u>Congressional Add Details (\$ in Millions, and Includes General Reductions)</u></p> <p>Project: 9999: <i>Congressional Adds</i></p> <p style="margin-left: 40px;">Congressional Add: <i>E-6B Strategic Communications UpgradeVLFTX</i></p> <p style="text-align: right; margin-right: 100px;">Congressional Add Subtotals for Project: 9999</p> <p style="text-align: right; margin-right: 100px;">Congressional Add Totals for all Projects</p> <p><u>Change Summary Explanation</u></p> <p>Schedule: (3002) Schedule for the Block IA Engineering Change Proposal (ECP) development has been delayed by six months, from 2nd quarter FY09 to 1st quarter FY10, because of technical challenges in the Block IA contract award.</p> <p>Technical: Not applicable.</p> <p>FY11 from previous President's Budget is shown as zero because no FY11-15 data was presented in President's Budget 2010.</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="padding: 5px;">FY 2009</th> <th style="padding: 5px;">FY 2010</th> </tr> <tr> <td style="padding: 5px;">0.000</td> <td style="padding: 5px;">2.390</td> </tr> <tr> <td style="padding: 5px;">0.000</td> <td style="padding: 5px;">2.390</td> </tr> <tr> <td style="padding: 5px;">0.000</td> <td style="padding: 5px;">2.390</td> </tr> </table>	FY 2009	FY 2010	0.000	2.390	0.000	2.390	0.000	2.390
FY 2009	FY 2010								
0.000	2.390								
0.000	2.390								
0.000	2.390								

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy								DATE: February 2010			
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0101402N: <i>Navy Strategic Comms</i>				PROJECT 3002: <i>Navy Strategic Comm Project</i>			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
3002: <i>Navy Strategic Comm Project</i>	40.991	43.780	10.331	0.000	10.331	10.328	1.454	0.000	0.000	0.000	273.926
Quantity of RDT&E Articles	0	2	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification The E-6B Block I modification program corrects Airborne National Command Post program Follow-On Operational Test and Evaluation operational suitability deficiencies and addresses legacy system obsolescence issues. Without the Block I program, legacy system obsolescence will result in several unsupportable mission systems by 2010. Block I designs, develops, integrates, and tests a Multi-Level Security (MLS) system, Open Systems Architecture (OSA); replaces the intercommunications and Mission Computer Set; modifies the cooling, electrical, and Ultra-High Frequency Command, Control and Communications system; and addresses Internet Protocol Bandwidth Expansion impacts to pre-Block I baseline aircraft. Block I adds operator workstations throughout the aircraft to reduce workload and improve system interoperability, and provides a foundation for evolutionary upgrades. Other modifications (Block IA) include: an additional Auxiliary Power Unit to enhance power and cooling capabilities supporting the additional systems in the Multi-Level Security system, Open Systems Architecture, a Very Low Frequency Transmitter obsolescence replacement, and a High Power Transmit Set subsystem refurbishment.											
B. Accomplishments/Planned Program (\$ in Millions)											
						FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
Conduct DT Governmental Training						5.479	5.715	1.501	0.000	1.501	
<i>FY 2009 Accomplishments:</i> Funding supports Block I and Block IA Government acquisition planning, acquisition strategy adjustment, requirements analysis, industry conferences, Department of Defense (DoD) 5000 series document development and revision, program management, technical reviews, oversight, Systems Integration Lab (SIL) and aircraft modification and test, and contract management; design, test readiness, and Contract Data Requirements List (CDRL) reviews; functional and physical configuration audits; technical interchange and program management meetings; development and operational											

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Navy				DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0101402N: Navy Strategic Comms		PROJECT 3002: Navy Strategic Comm Project		
B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
test planning, execution, and reporting in support of Government review and design approval of modifications. FY 2010 Plans: Continue all efforts of FY2009. FY 2011 Base Plans: Continue Block IA efforts.						
Conduct DT Support Training FY 2009 Accomplishments: Funding will be used to buy Block I and Block IA contract support services to perform engineering, management, trade studies, and analysis to develop acquisition documents; plan logistics and training; develop and monitor schedules and revisions to DoD 5000 series documents; attend industry conferences; perform engineering and architectural studies and analyses; modify and test the Systems Integration Lab (SIL) and aircraft; conduct functional and physical configuration audits; and review Contract Data Requirements List (CDRL) for Block I and IA modifications. FY 2010 Plans: Continue all efforts of FY2009. FY 2011 Base Plans: Continue Block IA efforts.		3.748	1.135	0.850	0.000	0.850
Prototype Aircraft Installation FY 2009 Accomplishments: Funding supports Block I and Block IA tasks allotted to the prime contractor including: program initiation, engineering research, design development, integration and test of Block I and IA systems;		31.201	34.677	7.980	0.000	7.980

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B. Accomplishments/Planned Program (\$ in Millions)											
						FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
preparation and presentation of the Block I and IA designs and test readiness reviews; Systems Integration Lab (SIL) and aircraft modification, functional and physical configuration audits; contractor developmental test planning, leading to Low Rate Initial Production approval and award. FY 2010 Plans: Continue all efforts of FY09. FY 2011 Base Plans: Continue Block IA efforts.											
Developmental/Operational Testing FY 2009 Accomplishments: Began developmental testing of the Block I program. FY 2010 Plans: Complete developmental and operational testing.						0.563	2.253	0.000	0.000	0.000	
Accomplishments/Planned Programs Subtotals						40.991	43.780	10.331	0.000	10.331	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• APN 056400: E-6 A/B Series P-1#46	88.597	102.330	149.164	0.000	149.164	153.779	154.809	181.129	195.775	247.900	1,445.883
D. Acquisition Strategy											
Competitively awarded Cost Plus Award Fee (CPAF) development contract. The current contract was modified on 13 April 2007 to a Cost Plus Incentive Fee (CPIF) contract. A new sole source Firm Fixed Price (FFP) contract will be awarded for Low Rate Initial Production (LRIP) with Full Rate Production (FRP) being either yearly options on the LRIP contract or a new sole source follow-on Firm Fixed Price (FFP) contract.											

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<u>E. Performance Metrics</u> Block I Milestone C decision scheduled for 3rd quarter FY2010.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Navy										DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0101402N: Navy Strategic Comms				PROJECT 3002: Navy Strategic Comm Project			

Product Development (\$ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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 Block I *	C/CPIF	Rockwell Collins Cedar Rapids, IA	132.785	9.534	Mar 2010	0.000		0.000		0.000	0.000	142.319	142.319
Award Fees	C/CPAF	Rockwell Collins Cedar Rapids, IA	3.751	0.000		0.000		0.000		0.000	0.000	3.751	3.751
Primary Hardware Development Block IA **	C/CPIF	Rockwell Collins Cedar Rapids, IA	5.670	25.143	Apr 2010	7.980	Dec 2010	0.000		7.980	7.772	46.565	46.565
Ancillary Hardware Development	C/CPFF	Rockwell Collins Cedar Rapids, IA	4.933	0.000		0.000		0.000		0.000	0.000	4.933	4.933
Training Development WST	C/CPIF	Rockwell Collins Cedar Rapids, IA	1.213	0.000		0.000		0.000		0.000	0.000	1.213	1.213
Subtotal			148.352	34.677		7.980		0.000		7.980	7.772	198.781	198.781

Remarks

* The Rockwell Collins Primary Hardware Development Block I contract was converted from a Competitively Awarded/Cost plus Award Fee to a Cost Plus Incentive Fee beginning in FY07.

** The Rockwell Collins Primary Hardware Development Block IA contract will be definitized in April 2010.

Support (\$ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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
Studies & Analyses	Various/ Various	Various Not Specified	4.412	0.000		0.000		0.000		0.000	0.031	4.443	Continuing

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Test and Evaluation (\$ in Millions) <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th colspan="4"></th> <th colspan="2">FY 2010</th> <th colspan="2">FY 2011 Base</th> <th colspan="2">FY 2011 OCO</th> <th>FY 2011 Total</th> <th colspan="3"></th> </tr> <tr> <th>Cost Category Item</th> <th>Contract Method & Type</th> <th>Performing Activity & Location</th> <th>Total Prior Years Cost</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Award Date</th> <th>Cost</th> <th>Cost To Complete</th> <th>Total Cost</th> <th>Target Value of Contract</th> </tr> <tr> <td>Developmental Test & Evaluation</td> <td align="center">WR</td> <td>NAWCAD Patuxent River, MD</td> <td align="right">0.563</td> <td align="right">0.105</td> <td align="center">Dec 2009</td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">0.668</td> <td align="center">Continuing</td> </tr> <tr> <td>Operational Test & Evaluation</td> <td align="center">WR</td> <td>NAWCAD Patuxent River, MD</td> <td align="right">0.000</td> <td align="right">2.148</td> <td align="center">Dec 2009</td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">2.148</td> <td align="center">Continuing</td> </tr> <tr> <td>Other Support</td> <td align="center">WR</td> <td>NAVAIR HQ Patuxent River, MD</td> <td align="right">0.030</td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">0.030</td> <td align="center">Continuing</td> </tr> <tr> <td align="right" colspan="3">Subtotal</td> <td align="right">0.593</td> <td align="right">2.253</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td></td> <td align="right">0.000</td> <td align="right">0.000</td> <td align="right">2.846</td> <td></td> </tr> </table>																		FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 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	WR	NAWCAD Patuxent River, MD	0.563	0.105	Dec 2009	0.000		0.000		0.000	0.000	0.668	Continuing	Operational Test & Evaluation	WR	NAWCAD Patuxent River, MD	0.000	2.148	Dec 2009	0.000		0.000		0.000	0.000	2.148	Continuing	Other Support	WR	NAVAIR HQ Patuxent River, MD	0.030	0.000		0.000		0.000		0.000	0.000	0.030	Continuing	Subtotal			0.593	2.253		0.000		0.000		0.000	0.000	2.846	
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Operational Test & Evaluation	WR	NAWCAD Patuxent River, MD	0.000	2.148	Dec 2009	0.000		0.000		0.000	0.000	2.148	Continuing																																																																																				
Other Support	WR	NAVAIR HQ Patuxent River, MD	0.030	0.000		0.000		0.000		0.000	0.000	0.030	Continuing																																																																																				
Subtotal			0.593	2.253		0.000		0.000		0.000	0.000	2.846																																																																																					
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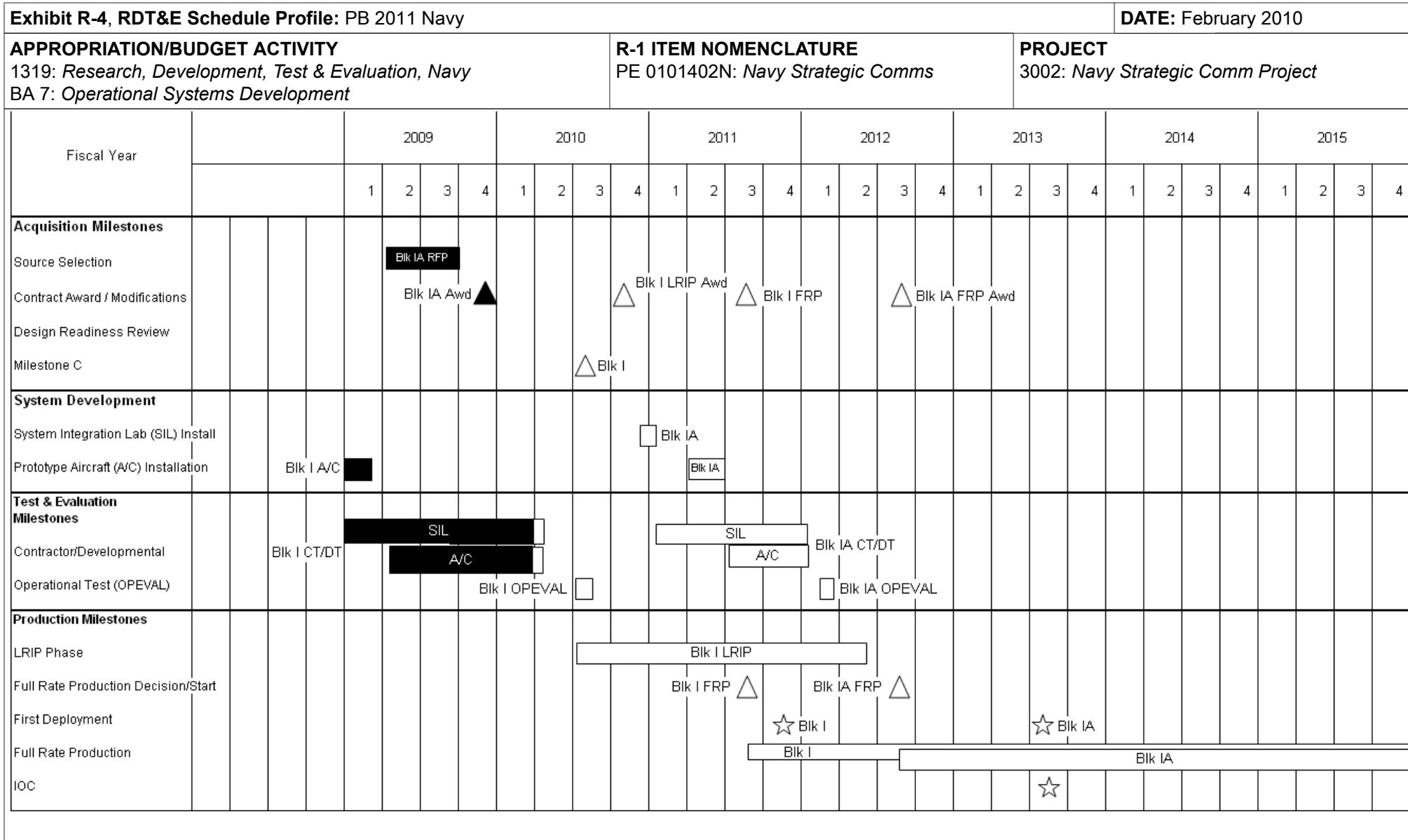
Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Navy											DATE: February 2010		
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Management Services (\$ in Millions)													
				FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & 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	Various/ Various	Various Not Specified	12.583	0.919	Dec 2009	0.575	Dec 2010	0.000		0.575	0.764	14.841	Continuing
Governmental Support	Various/ Various	Various Not Specified	32.326	5.415	Dec 2009	1.301	Dec 2010	0.000		1.301	2.277	41.319	Continuing
Program Management Support	Various/ Various	Various Not Specified	10.157	0.216	Dec 2009	0.275	Dec 2010	0.000		0.275	0.538	11.186	Continuing
Travel	WR	NAVAIR HQ Patuxent River, MD	1.278	0.300	Nov 2009	0.200	Nov 2010	0.000		0.200	0.400	2.178	Continuing
Subtotal			56.344	6.850		2.351		0.000		2.351	3.979	69.524	
Remarks													
			Total Prior Years Cost	FY 2010		FY 2011 Base		FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			209.701	43.780		10.331		0.000		10.331	11.782	275.594	198.781
Remarks													

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Exhibit R-4A, RDT&E Schedule Details: PB 2011 Navy			DATE: February 2010
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Schedule Details

Event	Start		End	
	Quarter	Year	Quarter	Year
SIL Contractor/Developmental Testing (CT/DT) (Blk I)	1	2009	2	2010
Prototype Aircraft Installation (Blk I)	1	2009	1	2009
Source Selection (Blk IA)	2	2009	3	2009
A/C Contractor/Developmental Testing (CT/DT) (Blk I)	2	2009	2	2010
Contract Award (Blk IA)	4	2009	4	2009
Milestone C (MS C) (Blk I)	3	2010	3	2010
Operational Testing (OPEVAL) (Blk I)	3	2010	3	2010
LRIP Phase	3	2010	2	2012
Contract Award Low Rate Initial Production (LRIP) (Blk I)	4	2010	4	2010
Systems Integration Lab (Blk IA)	4	2010	1	2011
SIL Contractor/Developmental Testing (CT/DT) (Blk IA)	1	2011	1	2012
Prototype Aircraft Installation (Blk IA)	2	2011	2	2011
A/C Contractor/Developmental Testing (CT/DT) (Blk IA)	3	2011	1	2012
Full Rate Production (FRP) Decision/Start (Blk I)	3	2011	3	2011
Full Rate Production (FRP) (Blk I)	3	2011	4	2015
First Deployment (Blk I)	4	2011	4	2011
Operational Testing (OPEVAL) (Blk IA)	1	2012	1	2012
Full Rate Production (FRP) Decision/Start (Blk IA)	3	2012	3	2012

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Event	Start		End	
	Quarter	Year	Quarter	Year
Full Rate Production (FRP) Contract Award (Blk IA)	3	2012	3	2012
Full Rate Production (FRP) (Blk IA)	3	2012	4	2015
Initial Operational Capability (IOC)	3	2013	3	2013
First Deployment (Blk IA)	3	2013	3	2013

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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
9999: Congressional Adds	0.000	2.390	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.327
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 Program (\$ in Millions)											
							FY 2009	FY 2010			
Congressional Add: E-6B Strategic Communications UpgradeVLFTX <i>FY 2010 Plans:</i> Funding will support Block IA tasks allotted to the prime contractor for Block IA development.							0.000	2.390			
Congressional Adds Subtotals							0.000	2.390			
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.											

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