

# UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification						DATE: <b>February 2006</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RESEARCH DEVELOPMENT TEST &amp; EVALUATION, NAVY /</b>				R-1 ITEM NOMENCLATURE 0604218N Air/Ocean Equipment Engineering				
				<b>BA-5</b>				
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
Total PE Cost	4.325	4.491	5.578	5.731	5.830	5.837	5.961	
2345 Fleet METOC Equipment	3.038	3.127	3.967	4.088	4.165	4.176	4.265	
2346 METOC Sensor Engineering	1.287	1.364	1.611	1.643	1.665	1.661	1.696	
Quantity of RDT&E Articles								
<p><b>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b> The Air/Ocean Equipment Engineering (AOEE) Program Element provides future mission capabilities to support Naval combat forces. This program engineers and developmentally tests organic and remote sensors, communication interfaces, and processing and display devices. These equipments are engineered to measure, ingest, store, process, distribute and display conditions of the physical environment that are essential to the optimum employment and performance of Naval warfare systems. AOEE also engineers capabilities for shipboard and shore-based tactical systems. A major thrust area for the AOEE program is to provide the engineering development of specialized equipment and measurement capabilities that are intended to monitor specific conditions of the physical environment in hostile and remote areas. With such capabilities, the war fighters' situational awareness of the operational effects of the physical environment are made more certain.</p> <p>This budget reflects changes in investment line description beginning in FY07. This change supports acquisition and development investment lines that support the vision, operations concept, and capability requirements. Changes consolidate and better define RDT&amp;E efforts as well as better reflect the new Commander Naval Meteorological and Oceanographic Command (CNMOC) reorganization.</p> <p><b>(U) JUSTIFICATION FOR BUDGET ACTIVITY:</b> This program is funded under ENGINEERING &amp; MANUFACTURING DEVELOPMENT because it encompasses engineering and manufacturing development of new end-items prior to production approval decision.</p>								

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Exhibit R-2, RDTEN Budget Item Justification  
(Exhibit R-2, page 1)

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EXHIBIT R-2, RDT&E Budget Item Justification		DATE: <b>February 2006</b>
APPROPRIATION/BUDGET ACTIVITY <b>RESEARCH DEVELOPMENT TEST &amp; EVALUATION, NAVY / BA 5</b>		R-1 ITEM NOMENCLATURE 0604218N Air/Ocean Equipment Engineering

**(U) C. PROGRAM CHANGE SUMMARY:**

(U) Funding:	FY 2005	FY 2006	FY 2007
FY06 President's Budget	4.461	4.558	5.690
FY07 President's Budget	4.325	4.491	5.578
Total Adjustments	(0.136)	(0.067)	(0.112)
Summary of Adjustments			
Small Business Innovation Research (SBIR)	(0.050)		
Nuclear Physical Security (OSD-09)	0.001		
Trusted Foundary	0.004		
Department of Energy Transfer	(0.003)		
Execution Realignments	(0.088)		
Sec 8125: Revised Economic Assumptions		(0.020)	
Congressional Action 1% Reduction		(0.047)	
Contract Support Reduction			(0.127)
NWCF CIVPERS Efficiencies			(0.018)
Inflation			0.025
CIVPERS Pay Raise Change			0.008
Subtotal	(0.136)	(0.067)	(0.112)

(U) Schedule:

(U) Technical:  
Not Applicable

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EXHIBIT R-2a, RDT&E Project Justification							DATE: <b>February 2006</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-5</b>		PROGRAM ELEMENT NUMBER AND NAME 0604218N Air/Ocean Equipment Engineering				PROJECT NUMBER AND NAME 2345 Fleet METOC Equipment			
COST (\$ in Millions)		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
Project Cost		3.038	3.127	3.967	4.088	4.165	4.176	4.265	
RDT&E Articles Qty									

**(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:** This project provides for the engineering and manufacturing development of sensors, communication interfaces, and processing and display equipment. This equipment is designed to provide future mission capabilities for warfighters to measure, ingest, store, process, distribute and display meteorological and oceanographic (METOC) parameters and derived products. Major emphasis areas include the Tactical Environmental Support System (TESS), and the associated Navy Integrated Tactical Environmental Subsystem (NITES), the Marine Corps Meteorological Mobile Facility (METMF), the AN/SMQ-11 satellite data receiver/recorder, shipboard weather radar capabilities, and the development of new sensors such as active and passive atmospheric profilers. This project also exploits new GOTS/COTS technologies and web enablement for the Navy's computer-based tactical shipboard and shore capability used to predict and assess the operational effects of the physical environment on the performance of platforms, weapons and sensor systems.

This project reflects changes in investment line description beginning in FY07. This change supports acquisition and development investment lines that support the vision, operations concept, and capability requirements. Changes consolidate and better define RDT&E efforts as well as better reflect the new Commander Naval Meteorological and Oceanographic Command (CNMOC) reorganization.

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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA 5</b>	PROGRAM ELEMENT NUMBER AND NAME 0604218N Air Ocean Equipment Engineering	PROJECT NUMBER AND NAME 2345 Fleet METOC Equipment		
<b>(U) B. Accomplishments/Planned Program</b>				
Object Oriented Database Management/ MetOc in IT Enterprise Environment	FY 05	FY 06	FY 07	
Accomplishments/Effort/Subtotal Cost	0.050	0.420	1.600	
RDT&E Articles Quantity				
<p>FY05 - Completed transition and delivered final version to web-enabled high-speed battlegroup data server. Development of Object Oriented Database Management engineering for next generation data server employing expert system techniques.</p> <p>FY06: - Complete and deliver Object Oriented Database Management system for next generation data server employing expert system techniques.</p> <p>FY07 - Integrate Object Oriented Database Management system for the next generation data server into the Network infrastructure. Deliver associated documentation. Deliver initial report detailing huge dataset transfer capability into Tactical Environmental Data Services (TED Services).</p>				
Fleet System Engineering/ TDA/Mission Planning	FY 05	FY 06	FY 07	
Accomplishments/Effort/Subtotal Cost	0.050	0.420	2.367	
RDT&E Articles Quantity				
<p>FY05: - Delivered Alternatives Study for the Next Generation Meteorological Mobile Facility.</p> <p>FY06 - Deliver final study on Next Generation Mini-Rawin System (MRS). Begin development of NITES NG.</p> <p>FY07 - Deliver Alternatives Study for the Next Generation mobile Met Sensors. Continue development of NITES NG. Continue Lead Laboratory support.</p>				
Lead Laboratory/ TDA/Mission Planning	FY 05	FY 06	FY 07	
Accomplishments/Effort/Subtotal Cost	0.050	0.487		
RDT&E Articles Quantity				
<p>FY05-07 - Lead laboratory conducts annual software integration, assists model developers, and provides technical assistance to other activities.</p> <p>FY05 - Delivered Quarterly Reports.</p> <p>FY06 - Deliver Quarterly Reports.</p> <p>FY07 - Effort rolled into the "TDA/Mission Planning" investment line.</p>				

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APPROPRIATION/BUDGET ACTIVITY <b>RDTE, N / BA 5</b>	PROGRAM ELEMENT NUMBER AND NAME 0604218N Air Ocean Equipment Engineering	PROJECT NUMBER AND NAME 2345 Fleet METOC Equipment																																
<p><b>(U) B. Accomplishments/Planned Program</b></p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 20px;"> <tr> <td style="width: 25%;">Off-the-Shelf Technology/ MetOc in IT Enterprise Environment</td> <td style="width: 15%; text-align: center;">FY 05</td> <td style="width: 15%; text-align: center;">FY 06</td> <td style="width: 15%; text-align: center;">FY07</td> <td style="width: 30%;"></td> </tr> <tr> <td>Accomplishments/Effort/Subtotal Cost</td> <td style="text-align: center;">0.057</td> <td style="text-align: center;">0.400</td> <td></td> <td></td> </tr> <tr> <td>RDT&amp;E Articles Quantity</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>             FY05 - Delivered Evaluation Report for COTS Database.              FY06 - Deliver SMQ-11 antenna Analysis of Alternatives study.              FY07 - Efforts rolled into the "InteMetOc in IT Enterprise Environment" investment line.         </p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <tr> <td style="width: 25%;">USMC Acquisition</td> <td style="width: 15%; text-align: center;">FY 05</td> <td style="width: 15%; text-align: center;">FY 06</td> <td style="width: 15%; text-align: center;">FY07</td> <td style="width: 30%;"></td> </tr> <tr> <td>Accomplishments/Effort/Subtotal Cost</td> <td style="text-align: center;">2.831</td> <td style="text-align: center;">1.400</td> <td></td> <td></td> </tr> <tr> <td>RDT&amp;E Articles Quantity</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>             FY05 - Conducted Alternative Analysis for prototype development of the Meteorological Mobile Environmental Facility (Replacement) Next Generation (METMF(R) NG) including radar and communications integration.              FY06 - Development of METMF(R) NG Variant I EDM, Variant II prototype.         </p>					Off-the-Shelf Technology/ MetOc in IT Enterprise Environment	FY 05	FY 06	FY07		Accomplishments/Effort/Subtotal Cost	0.057	0.400			RDT&E Articles Quantity					USMC Acquisition	FY 05	FY 06	FY07		Accomplishments/Effort/Subtotal Cost	2.831	1.400			RDT&E Articles Quantity				
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EXHIBIT R-2a, RDT&E Project Justification						DATE: <b>February 2006</b>																	
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-5</b>		PROGRAM ELEMENT NUMBER AND NAME 0604218N Air Ocean Equipment Engineering			PROJECT NUMBER AND NAME 2345 Fleet METOC Equipment																		
<p><b>(U) C. OTHER PROGRAM FUNDING SUMMARY:</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Line Item No. &amp; Name</th> <th style="text-align: center; border-bottom: 1px solid black;">FY 2005</th> <th style="text-align: center; border-bottom: 1px solid black;">FY 2006</th> <th style="text-align: center; border-bottom: 1px solid black;">FY 2007</th> <th style="text-align: center; border-bottom: 1px solid black;">FY 2008</th> <th style="text-align: center; border-bottom: 1px solid black;">FY 2009</th> <th style="text-align: center; border-bottom: 1px solid black;">FY 2010</th> <th style="text-align: center; border-bottom: 1px solid black;">FY 2011</th> </tr> </thead> <tbody> <tr> <td>OPN 4226 METEOROLOGICAL EQUIPMENT</td> <td style="text-align: center;">19.996</td> <td style="text-align: center;">22.486</td> <td style="text-align: center;">15.037</td> <td style="text-align: center;">19.101</td> <td style="text-align: center;">23.306</td> <td style="text-align: center;">26.203</td> <td style="text-align: center;">26.781</td> </tr> </tbody> </table> <p>Related RDT&amp;E: PE 0603207N, Air/Ocean Tactical Applications</p> <p><b>(U) D. ACQUISITION STRATEGY:</b></p> <p>Acquisition, management and contracting strategies are to support engineering and manufacturing development by providing funds to Naval Research Laboratories and miscellaneous contractors, with management oversight by the Program Executive Officer for Command, Control, Communications, Computers and Intelligence and Space (PEO C4I &amp; Space).</p> <p><b>(U) E. MAJOR PERFORMERS:</b></p> <p>N/A</p> <p><b>(U) F. METRICS:</b></p> <p>Earned Value Management (EVM) is used for metrics reporting and risk management.</p>								Line Item No. & Name	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	OPN 4226 METEOROLOGICAL EQUIPMENT	19.996	22.486	15.037	19.101	23.306	26.203	26.781
Line Item No. & Name	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011																
OPN 4226 METEOROLOGICAL EQUIPMENT	19.996	22.486	15.037	19.101	23.306	26.203	26.781																

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Exhibit R-3 Cost Analysis (page 1)									DATE: February 2006			
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
RDT&E, N / BA-5			0604218N Air Ocean Equipment Engineering			2345 Fleet METOC Equipment						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Software Development	WX	NRL	7.249	1.110	NA	1.165	NA	1.488	NA	CONT	CONT	
	WX	SSCs	3.291	0.446	NA	0.467	NA	0.590	NA	CONT	CONT	
	CP	RAYTHEON	1.502	0.224	NA	0.234	NA	0.296	NA	CONT	CONT	
	NA	MISC	10.722	1.228	NA	1.261	NA	1.592	NA	CONT	CONT	
Subtotal Product Development			22.764	3.008	0.000	3.127	0.000	3.967		CONT	CONT	
Remarks:												
Development Support	CP	SSA/CSC	1.312									
Subtotal Support			1.312							CONT	CONT	
Remarks:												

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Exhibit R-3 Cost Analysis (page 2)										DATE: February 2006		
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT				PROJECT NUMBER AND NAME					
RDT&E, N / BA-5			0604218N Air Ocean Equipment Engineering				2345 Fleet METOC Equipment					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	PD	OPTEVFOR	0.364	0.030	N/A	0.000	N/A	0.000	N/A	CONT	CONT	
Subtotal T&E			0.364	0.030	0.000	0.000	0.000	0.000	0.000	CONT	CONT	
Remarks: Increased funding in FY07 for testing to support delivery of the Next Generation Meteorological Mobile Facility prototypes.												
Subtotal Management												
Remarks:												
Total Cost			24.440	3.038		3.127		3.967		CONT	CONT	
Remarks:												



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EXHIBIT R4, Schedule Profile																					DATE:				February 2006				
APPROPRIATION/BUDGET ACTIVITY					PROGRAM ELEMENT NUMBER AND NAME										PROJECT NUMBER AND NAME														
RDT&E, N / BA-5					0604218N Air Ocean Equipment Engineering										2345 Fleet METOC Equipment														
Fiscal Year	2005				2006				2007				2008				2009				2010				2011				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Fleet Sys Engineering/ TDA/Mission Planning	AoA for NEXGEN METMF																												
	Sys Engineering Upgrades																												
Lead Laboratory/ TDA/Mission Planning	Quarterly Report								Quarterly Report																				
TDA/Mission Planning									NITES NG													Integration of Emerging Technologies							
Off-the-Shelf Technology/ MetOc in IT Enterprise					SMQ-11 Antenna																								
Obj Oriented DBMS/ MetOc in IT Enterprise	High Speed BG Data Server				Incorp Expert Systems/CCE																								
MetOc in IT Enterprise									NEXGEN OODB													TED Services JTRS							
USMC Acquisition																													
					Alt Analysis				EDM/Prototype																				

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Exhibit R-2, RDTEN Budget Item Justification  
(Exhibit R-2, page 9)

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EXHIBIT R-2a, RDT&E Project Justification						DATE: <b>February 2006</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-5</b>		PROGRAM ELEMENT NUMBER AND NAME 0604218N Air/Ocean Equipment Engineering			PROJECT NUMBER AND NAME 2346 METOC Sensor Engineering			
COST (\$ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
Project Cost	<b>1.287</b>	<b>1.364</b>	<b>1.611</b>	<b>1.643</b>	<b>1.665</b>	<b>1.661</b>	<b>1.696</b>	
RDT&E Articles Qty								
<p><b>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b> This project provides for the engineering and manufacturing development of specialized, high resolution instrumentation systems and measurement capabilities for obtaining near real-time, in-situ meteorological and oceanographic (METOC) data in hostile, remote, and denied areas. The project's objectives are to provide near-term future mission capabilities that are intended to ruggedize and package systems, sensors and instruments to survive the harsh littoral and deep-strike environments and also to meet demanding requirements for timeliness and accuracy. Engineering is performed within this project to ensure that air and safety certification for deployment from fleet aircraft or ships is met and that the proper data formats are employed for integration into existing or planned communications and displays. The end products are sensors and systems that will provide the tactical commander with near real-time, in-situ METOC data for operational use. In addition, this project engineers and integrates sensor capabilities that are intended to obtain unique METOC data that will provide important inputs for predictive models in areas of potential interest.</p> <p>This project reflects changes in investment line description beginning in FY07. This change supports acquisition and development investment lines that support the vision, operations concept, and capability requirements. Changes consolidate and better define RDT&amp;E efforts as well as better reflect the new Commander Naval Meteorological and Oceanographic Command (CNMOC) reorganization.</p>								

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Exhibit R-2, RDTEN Budget Item Justification  
(Exhibit R-2, page 11)

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EXHIBIT R-2a, RDT&E Project Justification		DATE: <b>February 2006</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA 5</b>	PROGRAM ELEMENT NUMBER AND NAME 0604218N Air Ocean Equipment Engineering	PROJECT NUMBER AND NAME 2346 METOC Sensor Engineering	
<b>(U) B. Accomplishments/Planned Program</b>			
Unmanned Aerial Vehicle METOC Sensors/ Sensors/Observing Systems	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	0.183	0.200	1.611
RDT&E Articles Quantity			
<p>FY05 - Resumed Meteorological Sensor engineering development to include micro-miniature temperature, pressure, and humidity sensors.</p> <p>FY06 - Flight test for first generation micro-miniature sensors in operational Unmanned Aerial Vehicles (UAVs). Development of follow-on Meteorological sensors using evolving techniques.</p> <p>FY07 - Develop and demonstrate sensor integration and compatibility with Network. Development of follow-on UAV Meteorological sensors using evolving technologies. Deliver initial engineering plan including Total Ownership Cost (TOC) estimates. Development of sensor -Unmanned Underwater Vehicle Sensor (UUVs) engineering plans. Flight test air-deployed micro-sensors and deliver Final Report. Begin investigating Network integration. Deliver Technical Reports on Buoy.</p>			
Clandestine Sensors/ Sensors/Observing Systems	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	0.185	0.200	
RDT&E Articles Quantity			
<p>FY05 - Delivered Initial Sensor Development Execution Plan.</p> <p>FY06 - Deliver Final Technical Report on air-deployed micro-sensors.</p> <p>FY07 - Efforts incorporated into the "Sensors/Observing Systems" investment line.</p>			
Tactical Battlespace Sensors (formerly MEASURE)/ Sensors/Observing Systems	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	0.740	0.772	
RDT&E Articles Quantity			
<p>FY05: Delivered Technical Reports to include post demonstration Lessons Learned. Performed end-to-end Battlespace Sensor Data Acquisition Demonstration, from sensor data acquisition through tactical application. Development of Metoc Air, Surface, Undersea Reporting Equipment (MEASURE) including sensors and processing/distribution devices that detect, characterize and distribute meteorological and oceanographic data from the battlespace.</p> <p>FY06 - Deliver Technical Reports. Development of next generation sensors.</p> <p>FY07 - Efforts incorporated into the "Sensors/Observing Systems" investment line.</p>			

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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA 5</b>	PROGRAM ELEMENT NUMBER AND NAME 0604218N Air Ocean Equipment Engineering	PROJECT NUMBER AND NAME 2346 METOC Sensor Engineering

### (U) B. Accomplishments/Planned Program

Unmanned Underwater Vehicle Sensors/ Sensors/Observing Systems	FY 05	FY 06	FY 07	
Accomplishments/Effort/Subtotal Cost	0.179	0.192		
RDT&E Articles Quantity				

FY05 - Delivered Technical Reports. Development of Unmanned Underwater Vehicle Sensors engineering for tactical acoustic measurement buoy.  
FY06 - Deliver Technical Reports. Demonstrate prototype sensors to include Post Demonstration Lessons Learned.  
FY07 - Efforts incorporated into the "Sensors/Observing Systems" investment line.

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<p><b>(U) C. OTHER PROGRAM FUNDING SUMMARY:</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Line Item No. &amp; Name</th> <th style="text-align: center; border-bottom: 1px solid black;">FY 2005</th> <th style="text-align: center; border-bottom: 1px solid black;">FY 2006</th> <th style="text-align: center; border-bottom: 1px solid black;">FY 2007</th> <th style="text-align: center; border-bottom: 1px solid black;">FY 2008</th> <th style="text-align: center; border-bottom: 1px solid black;">FY 2009</th> <th style="text-align: center; border-bottom: 1px solid black;">FY 2010</th> <th style="text-align: center; border-bottom: 1px solid black;">FY 2011</th> </tr> </thead> <tbody> <tr> <td colspan="8" style="padding-top: 10px;">Not applicable</td> </tr> <tr> <td colspan="8" style="padding-top: 10px;">Related RDT&amp;E: PE 0603207N, Air/Ocean Tactical Applications</td> </tr> </tbody> </table> <p><b>(U) D. ACQUISITION STRATEGY:</b></p> <p>Acquisition and contracting strategies are to support engineering and manufacturing development of specialized, high resolution instrumentation systems and measurement techniques for obtaining near real-time in-situ meteorological and oceanographic (METOC) data in denied or remote areas by providing funds to NAVAIR and miscellaneous contractors, with management oversight by the Program Executive Officer for Command, Control, Communications, Computers and Intelligence and Space (PEO C4I &amp; Space).</p> <p><b>(U) E. MAJOR PERFORMERS:</b></p> <p>N/A</p> <p><b>(U). F. METRICS:</b></p> <p>Earned Value Management (EVM) is used for metrics reporting and risk management.</p>					Line Item No. & Name	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Not applicable								Related RDT&E: PE 0603207N, Air/Ocean Tactical Applications							
Line Item No. & Name	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011																					
Not applicable																												
Related RDT&E: PE 0603207N, Air/Ocean Tactical Applications																												

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Exhibit R-3 Cost Analysis (page 1)										DATE: February 2006		
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
RDT&E, N / BA-5			0604218N Air Ocean Equipment Engineering			2346 METOC Sensor Engineering						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Software Development	WX	NRL	1.314	0.053	NA	0.056	NA	0.067	NA	CONT	CONT	
	NA	MISC	6.321	1.234	NA	1.308	NA	1.544	NA	CONT	CONT	
Subtotal Product Development			7.635	1.287		1.364		1.611		CONT	CONT	
Remarks:												
Total Cost			7.635	1.287		1.364		1.611		CONT	CONT	
Remarks:												

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EXHIBIT R4, Schedule Profile																				DATE: February 2006								
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-5								PROGRAM ELEMENT NUMBER AND NAME 0604218N Air Ocean Equipment Engineering												PROJECT NUMBER AND NAME 2346 METOC Sensor Engineering								
Fiscal Year	2005				2006				2007				2008				2009				2010				2011			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Micro-Sensor Development																												
UAV METOC Sensors/ Sensors/Observing Systems																												
Autonomous Sensor Engineering																												
Clandestine Sensors/ Sensors/Observing Systems																												
End-to-End Integrated Demo																												
Tactical Battlespace Sensors/ Sensors/Observing Systems																												
UUV Sensors/ Sensors/Observing Systems																												
Sensors/Observing Systems																												
						</																						

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Exhibit R-2, RDTE&E Budget Item Justification  
(Exhibit R-2, page 16)



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