

EXHIBIT R-2, RDT&E Budget Item Justification	DATE: <b>February 2007</b>
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APPROPRIATION/BUDGET ACTIVITY <b>RESEARCH DEVELOPMENT TEST &amp; EVALUATION, NAVY / BA-6</b>	R-1 ITEM NOMENCLATURE 0605863N, RDT&E SHIP AND AIRCRAFT SUPPORT
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COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total PE Cost	79.799	82.825	184.541	196.719	210.268	119.717	214.363	161.793
0354 RDT&E Ship Support	10.540	8.124	0.000	0.000	0.000	0.000	0.000	0.000
0568 RDT&E A/C FLT HOURS	32.353	35.734	32.639	34.342	34.992	36.147	36.739	37.249
0569 RDT&E A/C SUPPORT	28.751	30.538	36.426	41.627	38.494	39.848	40.385	40.952
2924 RDT&E SELF DEFENSE TEST SHIP	8.155	8.429	9.083	9.532	9.795	10.060	10.230	10.410
3186 AIR and MISSILE DEFENSE RADAR	0.00	0.00	106.393	111.218	126.987	33.662	127.009	73.182

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This continuing program provides support for ships and aircraft required to accommodate Research, Development, Test and Evaluation (RDT&E) of new systems. The RDT&E ship and aircraft inventory is required to adequately test new and improved weapon systems, stay current with threats, and increase warfighting capability of the fleet. The program provides integrated logistics support for aircraft at selected field activities; provides depot-level rework of aircraft, engines, and components for the Navy inventory of RDT&E aircraft; and provides support for ships and aircraft bailed to contractors for Navy RDT&E projects. Costs covered under this element include aircrew training and proficiency, fuel, supplies, equipment, repair, Aviation Depot Level Repairables (AVDLR), overhaul of ships and aircraft, as well as organizational, intermediate, and depot maintenance of ships and aircraft in the Navy RDT&E inventory.

B. PROGRAM CHANGE SUMMARY

Funding:	FY 2006	FY 2007	FY 2008	FY 2009
Previous FY07 President's Budget:	75.974	83.140	82.644	81.133
Current FY08/09 President's Budget:	79.799	82.825	184.541	196.719
Total Adjustments	3.825	-0.315	101.897	115.586
Summary of Adjustments				
Congressional Adjustments	0.023	-0.315		
Rate Adjustments			1.311	4.266
SBIR Assessment	-0.469			
Program Realignment			106.300	109.800
Program Adjustments	4.271		-5.714	1.520
Subtotal	3.825	-0.315	101.897	115.586

Schedule: Not Applicable

Technical: Not Applicable

EXHIBIT R-2a, RDT&E Project Justification							DATE: <b>February 2007</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>		PROGRAM ELEMENT NUMBER AND NAME Program Element (0605863N Ship and Aircraft Support)			PROJECT NUMBER AND NAME Project Unit (0354 RDT&E Ship Support)				
COST (\$ in Millions)		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost		<b>10.540</b>	<b>8.124</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
RDT&E Articles Qty									

**A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:**

S0354, RDT&E Ships Support. This project provides for operation and maintenance of a platform used as Sea Based Test Site in support of the Navy Research, Development, Test and Evaluation (RDT&E) program. This project is for the USS DOLPHIN (AGSS-555). Testing aboard this platform reduces the number of fleet units required to support RDT&E efforts. A major cost of this project is regularly scheduled ship maintenance. The remainder of the funds are used for purchase of supplies and equipment, fuel and petroleum products, repairs, and supporting modifications. Most costs are fixed and are associated with simply having these platforms in the inventory. A lesser portion of the costs varies with the tempo and type of ship operations and provides for systems improvements and replacement planning. The nature of the operations determined by the overall Navy/DoD R&D testing program.

USS DOLPHIN will support software upgrades testing of the MK50 and MK48 Advanced Capability (ADCAP) torpedoes, the "VA Class" Submarine Material Qualification Program, ONR Littoral Warfare Advanced Development (LWAD) Program, Improved Extended Echo Ranging (IEER), Advanced Extended Echo Ranging (AEER), Advanced Deployable System (ADS), Submarine Mast Detection Radar (SMDR), Laser Airborne System - Hyperspectral (LASH), Airborne Low Frequency Sonar (ALFS), Tripartite Technology Cooperation Program (TTCP) and the Advanced Sea /Air/Land (SEAL) Delivery Program. Mobile Inshore Warfare Unit Arrays and the Seabased Weapons and Tactics School (SWATS) are also frequently supported by USS DOLPHIN. USS DOLPHIN provides support for numerous undersea surveillance, sonar, weapons, communications and imaging programs.

This budget reflects the decision after FY07 President's Budget to deactivate the USS DOLPHIN. The FY07 funds will be used for continued operations, then a transition to deactivation.

CLASSIFICATION:

**UNCLASSIFIED**

EXHIBIT R-2a, RDT&E Project Justification	DATE: <b>February 2007</b>
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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N /BA-6</b>	PROGRAM ELEMENT NUMBER AND NAME Program Element (0605863N Ship and Aircraft Support)	PROJECT NUMBER AND NAME Project Unit (0354- RDT&E Ship Support)
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**B. Accomplishments/Planned Program**

	FY06	FY 07	FY 08	FY 09
USS DOLPHIN Ship Support	10.540	8.155	0.000	0.000

FY 2006 Plans: Conducted periodic maintenance and continued support operations. FY 2007 Plans: Funds used to deactivate the USS Dolphin

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EXHIBIT R-2a, RDT&E Project Justification	DATE: <b>February 2007</b>
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APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
<b>RDT&amp;E, N / BA-6</b>	0605863N, RDT&E SHIP AND AIRCRAFT SUPPORT	0354, RDT&E SHIP SUPPORT

**C. OTHER PROGRAM FUNDING SUMMARY:**

Not Applicable

**D. ACQUISITION STRATEGY:**

Not Applicable

**E. MAJOR PERFORMERS:**

DATE: **February 2007**

Exhibit R-3 Cost Analysis (page 1)

APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT				PROJECT NUMBER AND NAME								
RDT&E, N / BA-6		Program Element (PE 0605863N Ship and Aircraft Support)				Project Unit (PU 0354 Ship Support)								
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 06 Cost	Award Date	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
RAV	WR	Portsmouth Naval Shipyard	70.750	3.300	10/05	0.000	10/06	0.000		0.000		0.000	74.050	
Planning Yard Support	WR	Portsmouth Naval Shipyard	22.291	3.525	10/05	0.280	10/06	0.000		0.000		0.000	26.096	
Ship Operations	WR	COMSUBPAC	3.021	0.940	10/05	0.000	10/06	0.000		0.000			3.961	
Maintenance/Homeporting	WR	SPAWAR	10.631	1.105	10/05	0.089	10/06	0.000		0.000			11.825	
PMS394	WR	Various	20.502	1.027	10/05	0.000	10/06	0.000		0.000			21.529	
Engineering Services	WR	NSWC Carderock	0.000	0.179	10/05								0.179	
Engineering Services	WR	NUWC Keyport	0.000	0.030	10/05								0.030	
Engineering Services	WR	NUWC Newport	0.000	0.069	10/05								0.069	
Engineering Services	WR	Puget Sound	0.000	0.171	10/05								0.171	
Engineering Services	WR	SUBMEPP	0.000	0.149	10/05								0.149	
Engineering Services/Deactivation		TBD	0.000			7.710	10/06						7.710	
Subtotal Product Development			127.195	10.495		8.079		0.000		0.000		0.000	145.769	

Remarks: This program has existed since 1968. The program management responsibilities were transferred to this office June 1997. Detailed execution data is not available prior to that date. The total prior year costs reflect execution data from FY97 through FY05.

Development Support													0.000	
Software Development													0.000	
Training Development													0.000	
Integrated Logistics Support													0.000	
Configuration Management													0.000	
Technical Data													0.000	
GFE													0.000	
Award Fees													0.000	
Subtotal Support			0.000	0.000		0.000		0.000		0.000		0.000	0.000	

Remarks:

CLASSIFICATION:

**UNCLASSIFIED**

DATE:

**February 2007**

Exhibit R-3 Cost Analysis (page 2)

APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT				PROJECT NUMBER AND NAME								
RDT&E, N / BA-6		0605863N - RDT&E,N Ship and Aircraft Support				Project Unit (PU 0354 Ship Support)								
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 06 Cost	Award Date	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation													0.000	
Operational Test & Evaluation													0.000	
Live Fire Test & Evaluation													0.000	
Test Assets													0.000	
Tooling													0.000	
GFE													0.000	
Award Fees													0.000	
Subtotal T&E			0.000	0.000		0.000		0.000		0.000		0.000	0.000	

Remarks:

Contractor Engineering Support													0.000	
Government Engineering Support													0.000	
Program Management Support													0.000	
Travel				0.045		0.045							0.090	
Labor (Research Personnel)													0.000	
SBIR Assessment													0.000	
Subtotal Management			0.000	0.045		0.045		0.000		0.000		0.000	0.090	

Remarks:

Total Cost			127.195	10.540		8.124		0.000		0.000		0.000	145.859	
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Remarks:

CLASSIFICATION:

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EXHIBIT R-2a, RDT&E Project Justification							DATE: <b>February 2007</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>		PROGRAM ELEMENT NUMBER AND NAME 0605863N, RDT&E SHIP AND AIRCRAFT SUPPORT			PROJECT NUMBER AND NAME 0568, RDT&E A/C FLT HOURS				
COST (\$ in Millions)		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost		<b>32.353</b>	<b>35.734</b>	<b>32.639</b>	<b>34.342</b>	<b>34.992</b>	<b>36.147</b>	<b>36.739</b>	<b>37.249</b>
RDT&E Articles Qty									

**A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:**

RDT&E Aircraft Flight Hours. This non-acquisition project supports direct flight hour costs, including organizational and intermediate level maintenance, as well as associated consumables, including petroleum, oil, and lubricants (POL). These flight hours are used for post-maintenance test flights, aircrew training, and the accomplishment of pilot proficiency requirements (approximately 3 hours per pilot per month), in support of Research and Development programs at four Naval Air Systems Command/Naval Surface Warfare Center/Office of Naval Research (NAVAIR/NSWC/ONR) flight activities.

R-1 SHOPPING LIST - Item No. 150

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EXHIBIT R-2a, RDT&E Project Justification

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APPROPRIATION/BUDGET ACTIVITY

PROGRAM ELEMENT NUMBER AND NAME

PROJECT NUMBER AND NAME

**RDT&E, N / BA-6**

0605863N, RDT&E SHIP AND AIRCRAFT SUPPORT

0568, RDT&E A/C FLT HOURS

**B. Accomplishments/Planned Program**

Aircraft Flight Hours	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	32.353	35.734	32.639	34.342
RDT&E Articles Quantity				

Providing organizational and intermediate-level maintenance, supply and Petroleum, Oil and Lubricants (POL) in support of RDT&E aircraft operations.

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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>	PROGRAM ELEMENT NUMBER AND NAME 0605863N, RDT&E SHIP AND AIRCRAFT SUPPORT	PROJECT NUMBER AND NAME 0568, RDT&E A/C FLT HOURS
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**C. OTHER PROGRAM FUNDING SUMMARY:**

<u>Line Item No. &amp; Name</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>To Complete</u>	<u>Total Cost</u>
Not Applicable										

**D. ACQUISITION STRATEGY:**

Not Applicable

CLASSIFICATION:

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EXHIBIT R-2a, RDT&E Project Justification							DATE: <b>February 2007</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>		PROGRAM ELEMENT NUMBER AND NAME 0605863N, RDT&E SHIP AND AIRCRAFT SUPPORT			PROJECT NUMBER AND NAME 0569, RDT&E A/C SUPPORT				
COST (\$ in Millions)		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost		<b>28.751</b>	<b>30.538</b>	<b>36.426</b>	<b>41.627</b>	<b>38.494</b>	<b>39.848</b>	<b>40.385</b>	<b>40.952</b>
RDT&E Articles Qty									

**A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:**

RDT&E Aircraft Support. This continuing project funds costs associated with Research, Development, Test and Evaluation (RDT&E) fixed and rotary wing aircraft which accommodate test and evaluation of aircraft/weapon systems. Testing aboard these platforms reduces the number of fleet units required to support RDT&E efforts. Included in these costs are Aviation Depot-Level Repairables (AVDLRs), which are spare and replacement aircraft parts and components to support overhead maintenance related flight operations, aircrew training, and proficiency flight hours. This project also funds airframe Standard Depot Level Maintenance (SDLM), the Integrated Maintenance Concept (IMC) and Phased Depot Maintenance (PDM), in-service repairs, emergency repairs, and engine repair, as well as aircraft material condition and field inspections. Additionally, it funds Individual Material Readiness List (IMRL) tools and support equipment, and other systems for application to and compatibility with RDT&E requirements.

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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>	PROGRAM ELEMENT NUMBER AND NAME 0605863N, RDT&E SHIP AND AIRCRAFT SUPPORT	PROJECT NUMBER AND NAME 0569, RDT&E A/C SUPPORT
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**B. Accomplishments/Planned Program**

Aircraft/Engine Maintenance & AVDLR/IMRL Support	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	27.734	29.430	35.084	40.326
RDT&E Articles Quantity				

Continuing the transition from ASPA/SDLM/MCAPP to the IMC/PDM program for depot maintenance requirements, while sustaining the following programs: AVDLR/IMRL, engine repairs, support of aircraft in the RDT&E inventory. Continuing operation and implementation of maintenance and material management programs at Naval Air Warfare Center activities. FY06-FY09 plans are to continue to support these requirements.

In-Service Repairs	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	1.017	1.108	1.342	1.301
RDT&E Articles Quantity				

Providing In-Service Repair (ISR) funds for emergent repair requirements to aircraft performing mission critical test and evaluation projects. FY06-FY09 plans are to continue to support these requirements.

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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>	PROGRAM ELEMENT NUMBER AND NAME 0605863N, RDT&E SHIP AND AIRCRAFT SUPPORT	PROJECT NUMBER AND NAME 0569, RDT&E A/C SUPPORT
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**C. OTHER PROGRAM FUNDING SUMMARY:**

<u>Line Item No. &amp; Name</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>To Complete</u>	<u>Total Cost</u>
Not Applicable										

**D. ACQUISITION STRATEGY:**

Not Applicable

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EXHIBIT R-2a, RDT&E Project Justification							DATE: <b>February 2007</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>		PROGRAM ELEMENT NUMBER AND NAME 0605863N, RDT&E SHIP AND AIRCRAFT SUPPORT			PROJECT NUMBER AND NAME 2924, RDT&E SELF DEFENSE TEST SHIP				
COST (\$ in Millions)		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost		<b>8.155</b>	<b>8.429</b>	<b>9.083</b>	<b>9.532</b>	<b>9.795</b>	<b>10.060</b>	<b>10.230</b>	<b>10.410</b>
RDT&E Articles Qty									

**A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:**

This project provides for the maintenance of Hull Mechanical and Electrical (HM&E) and installed Combat Systems of the Self-Defense Test Ship (SDTS) in support of the Navy Research, Development, Test and Evaluation (RDT&E) of ship self-defense systems. Testing aboard this ship reduces the number of fleet units required to support RDT&E efforts. SDTS provides the capability of safely testing self-defense weapon systems within their minimum range. A major cost of this project is regularly scheduled ship and combat system maintenance. The remainder of the funds are used for purchase of expendable supplies and routine equipment, fuel and petroleum products, repairs and supporting services. Most costs are fixed and are associated with simply having this platform in the inventory.

Current and projected Anti-Ship Cruise Missile (ASCM) threats require self-defense weapons systems capable of adequately countering ASCMs. The National Defense Authorization Act for FY87, section 910, "Testing of Certain Weapons Systems and Munitions," requires live-fire lethality testing of manned weapons systems. Operational and safety constraints limit realistic live-fire lethality testing with U.S. Navy ships and thus drive the requirement for having an afloat, unmanned, remotely controlled SDTS. SDTS plan calls for multiple configuration testing including DD(X), CVN 21, LHA 6, LHDs/CVNs, LPD 17, and 2 versions of LCS against realistic threat presentation in an at-sea environment.

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EXHIBIT R-2a, RDT&E Project Justification	DATE: <b>February 2007</b>
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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>	PROGRAM ELEMENT NUMBER AND NAME 0605863N, RDT&E SHIP AND AIRCRAFT SUPPORT	PROJECT NUMBER AND NAME 2924, RDT&E SELF DEFENSE TEST SHIP
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**B. Accomplishments/Planned Program**

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	8.155	0.000	0.000	0.000
RDT&E Articles Quantity				

NAVSURFWARCENDIV Port Hueneme, CA is at the end of a two year conversion. Additional installations in support of LPD 17, DD(X) and element level programs have been planned and scheduled and will be performed along with the HM&E maintenance onboard SDTS.

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	0.000	8.429	0.000	0.000
RDT&E Articles Quantity				

NAVSURFWARCENDIV Port Hueneme, CA will plan, schedule and perform HM&E and CS maintenance onboard SDTS in support of check out and installation and work ups for the testing of LPD 17 and MFR. SDTS will support Probability of Raid Annihilation (PRA) and end to end test efforts for LPD-17 combat system

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	0.000	0.000	9.083	0.000
RDT&E Articles Quantity				

NAVSURFWARCENDIV Port Hueneme, CA will plan, schedule, and perform maintenance onboard EDD 964 and continue to support testing for LPD 17, LHDs/CVNs and MFR. PHD will also determine the feasibility of multiple configurations in support of the Navy AAW SSD Enterprise Strategy. SDTS priority consists of installing, testing, and executing to the Enterprise TEMP.

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	0.000	0.000	0.000	9.532
RDT&E Articles Quantity				

SDTS priority consists of installing multiple configurations, deinstalling unused equipment, modifying top side and below deck equipment to coincide with appropriate elements and Combat Systems, testing of all systems listed in Enterprise, and executing according to the Enterprise TEMP. SDTS will also plan, schedule, and perform maintenance onboard EDD 964 for HME and CS elements in support of such activities.

APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
<b>RDT&amp;E, N / BA-6</b>	0605863N, RDT&E SHIP AND AIRCRAFT SUPPORT	2924, RDT&E SELF DEFENSE TEST SHIP

**C. OTHER PROGRAM FUNDING SUMMARY:**

Not Applicable

**D. ACQUISITION STRATEGY:**

Not Applicable

**E. MAJOR PERFORMERS:**

Not Applicable

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Exhibit R-3 Cost Analysis (page 1)						DATE: <b>February 2007</b>									
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME									
<b>RDT&amp;E, N / BA-6</b>			0605863N, RDT&E SHIP AND AIRCRAFT SUPPOR			2924, RDT&E SELF DEFENSE TEST SHIP									
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract	
Primary Hardware Development													0.000		
Ancillary Hardware Development													0.000		
Component Development													0.000		
Ship Integration													0.000		
Ship Suitability													0.000		
Systems Engineering	WX	Port Hueneme Division	20.037	7.955	10/05	8.179	02/07	8.833	10/07	9.282	10/08		54.286		
Training Development													0.000		
Licenses													0.000		
Tooling													0.000		
GFE													0.000		
Award Fees													0.000		
Subtotal Product Development			20.037	7.955	N/A	8.179	N/A	8.833	N/A	9.282	N/A	0.000	54.286		
Remarks:															
Development Support													0.000		
Software Development													0.000		
Training Development													0.000		
Integrated Logistics Support													0.000		
Configuration Management													0.000		
Technical Data													0.000		
GFE													0.000		
Award Fees													0.000		
Subtotal Support			0.000	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	Cont.	0.000		
Remarks:															

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Exhibit R-3 Cost Analysis (page 2)						DATE: <b>February 2007</b>									
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME									
<b>RDT&amp;E, N / BA-6</b>			0605863N, RDT&E SHIP AND AIRCRAFT SUPPORT			2924, RDT&E SELF DEFENSE TEST SHIP									
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract	
Developmental Test & Evaluation														0.000	
Operational Test & Evaluation														0.000	
Live Fire Test & Evaluation														0.000	
Test Assets														0.000	
Tooling														0.000	
GFE														0.000	
Award Fees														0.000	
Subtotal T&E			0.000	0.000	N/A	0.000	N/A	0.000	N/A	0.000	0.000	0.000	0.000	0.000	
Remarks:															
Contractor Engineering Support	CPAF	NGIT	0.000	0.200	10/06	0.250	10/06	0.250	10/07	0.250	10/08	0.250	1.200		
Program Management Support	CPAF		0.000	0.000	10/06	0.000	10/06	0.000	10/07	0.000	10/08	0.000	0.000		
Subtotal Management			0.000	0.200	N/A	0.250	N/A	0.250	N/A	0.250	N/A	0.000	0.950		
Remarks:															
Total Cost			20.037	8.155	N/A	8.429	N/A	9.083	N/A	9.532	N/A	Cont.	55.236		
Remarks:															

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EXHIBIT R-2a, RDT&E Project Justification							DATE: <b>February 2007</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>	PROGRAM ELEMENT NUMBER AND NAME 0605863N, RDT&E Ship and Aircraft Support				PROJECT NUMBER AND NAME 3186, RDT&E Air and Missile Defense Radar			
COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	<b>0.000</b>	<b>0.000</b>	<b>106.393</b>	<b>111.218</b>	<b>126.987</b>	<b>33.662</b>	<b>127.009</b>	<b>73.182</b>
RDT&E Articles Qty								

**A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:**  
 This project provides Self Defense Test Ship Test and Evaluation Enterprise efforts for DDG 1000, LHA 6, CVN 21, and LCS programs. The T&E Enterprise solution integrates Self Defense Test Ship, Probability of Raid Annihilation Test Bed, and lead and operational ship at-sea test events across combat system variants to eliminate duplication and minimize combat system testing across ship classes.

# UNCLASSIFIED

EXHIBIT R-2a, RDT&E Project Justification	DATE: <b>February 2007</b>
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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>	PROGRAM ELEMENT NUMBER AND NAME 0605863N, RDT&E Ship and Aircraft Support	PROJECT NUMBER AND NAME 3186, RDT&E Air and Missile Defense Radar
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**B. Accomplishments/Planned Program**

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	0.000	0.000	83.043	106.218
RDT&E Articles Quantity				

This effort will initiate Enterprise Acquisition & Installation, Pra Testbed, and Lead and Operational Ship test and evaluation.

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	0.000	0.000	23.350	5.000
RDT&E Articles Quantity				

This effort will accomplish Enterprise Test Execution on the Self Defense Test Ship.

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Exhibit R-3 Cost Analysis (page 1)						DATE: <b>February 2007</b>								
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME								
<b>RDT&amp;E, N / BA-6</b>			0605863N, RDT&E Ship and Aircr			3186, RDT&E Air and Missile Defense Radar								
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Acquisition of equipment	Various	PMS 500	0.000	0.000	N/A	0.000	N/A	21.478	Nov-07	0.000	N/A	0.000	21.478	
Radar	Various	LCS	0.000	0.000	N/A	0.000	N/A	17.093	Nov-07	1.423	N/A	0.000	18.516	
Electro Optic Directors	Various		0.000	0.000	N/A	0.000	N/A	18.342	Nov-07	0.000	N/A	0.000	18.342	
Develop PRA Testbed	Various	Visitech	0.000	0.000	N/A	0.000	N/A	4.280	Nov-07	10.390	Nov-08	Cont.	Cont.	
SSDS OA	Various	PEOIS 1.0	0.000	0.000	N/A	0.000	N/A	8.170	Nov-07	0.000	N/A	0.000	8.170	
ESSM OA	Various	PEOIS 3.0	0.000	0.000	N/A	0.000	N/A	11.180	Nov-07	0.000	N/A	0.000	11.180	
Suite Interfaces/Remote Control Sys	WX	NSWC/PHD	0.000	0.000	N/A	0.000	N/A	2.000	Nov-07	0.000	N/A	0.000	2.000	
Development	Various	TBD	0.000	0.000	N/A	0.000	N/A	0.000	Nov-07	93.905	Nov-08	Cont.	Cont.	
Licenses			0.000	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	0.000	
Tooling			0.000	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	0.000	
GFE			0.000	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	0.000	
VARIOUS			0.000	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	0.000	
Subtotal Product Development			0.000	0.000		0.000		82.543		105.718		Cont.	Cont.	
Remarks:														
Development Support													0.000	
Software Development													0.000	
Training Development													0.000	
Integrated Logistics Support													0.000	
Configuration Management													0.000	
Technical Data													0.000	
GFE													0.000	
Award Fees													0.000	
Subtotal Support			0.000	0.000		0.000		0.000		0.000			0.000	
Remarks:														

# UNCLASSIFIED

Exhibit R-3 Cost Analysis (page 2)						DATE: <b>February 2007</b>								
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME								
<b>RDT&amp;E, N / BA-6</b>			0605863N, RDT&E Ship and Aircraft			3186, RDT&E Air and Missile Defense Radar								
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation			0.000	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	0.000	
Operational Test & Evaluation	various	PEOIWS 1.0	0.000	0.000	N/A	0.000	N/A	8.170	Nov-07	0.000	N/A	0.000	8.170	
Operational Test & Evaluation	various	PEOIWS 1.3	0.000	0.000	N/A	0.000	N/A	11.180	Nov-07	0.000	N/A	0.000	11.180	
Live Fire Test & Evaluation	various	PEO IWS 3.0	0.000	0.000	N/A	0.000	N/A	4.000	Nov-07	5.000	Nov-08	Cont.	Cont.	
Test Assets			0.000	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	0.000	
Tooling			0.000	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	0.000	
GFE			0.000	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	0.000	
Award Fees			0.000	0.000	N/A	0.000	N/A	0.000	N/A	0.000	N/A	0.000	0.000	
Subtotal T&E			0.000	0.000		0.000		23.350		5.000		0.000	28.350	
Remarks:														
Contractor Engineering Support			0.000	0.000	N/A	0.000	N/A	0.400	N/A	0.400	N/A		0.800	
Program Management Support			0.000	0.000	N/A	0.000	N/A	0.100	N/A	0.100	N/A		0.200	
Subtotal Management			0.000	0.000		0.000		0.500		0.500		0.000	1.000	
Remarks:														
Total Cost			0.000	0.000		0.000		106.393		111.218		Cont.	Cont.	