

# 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 / BA-5</b>					R-1 ITEM NOMENCLATURE Submarine Tactical Warfare System/0604562N			
COST (\$ in Millions)		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total PE Cost		46.389	46.024	51.656	53.578	54.681	55.945	57.081
0236/SSN Combat Control System Imprvmnt (ENG)		45.455	40.074	51.656	53.578	54.681	55.945	57.081
9576/Submarine Maintenance Free Operating Period		0.934						
9999/Congressional Adds			5.950					
<b>Defense Emergency Response Funds (DERF) Funds: Not Applicable</b>								
<b>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b> This program develops Commercial-Off-The-Shelf (COTS) based software and hardware upgrades to integrate improved weapons and tactical control capabilities for multiple submarine Classes (SSN688, 688I, SSGN, SEAWOLF, and VIRGINIA (Post Shakedown Availability)). The hardware upgrades (technology insertions) will be developed on a bi-annual basis to provide improved capability and address COTS obsolescence. The AN/BYG-1 is the combat control system common across all submarine platforms which incorporates tactical control, weapon control and tactical Local Area Network (LAN) functions into a single development program. Funding also accommodates the annual integration of Advanced Processing Builds (APBs) software to both tactical control (APB(T)) and weapon control (APB(W)) subsystems. The tactical control integration effort incorporates the integration of other sensor (ESM, sonar, radar, etc.) inputs to provide a common operation picture and improve situational awareness in an information assurance (IA) compliant environment. The weapon control development effort provides improvements to the weapons control subsystem based on improvements to missiles and torpedos. AN/BYG-1 allows the submarine Navy to rapidly update the ship safety tactical picture, integrates the common tactical picture into the battlegroup, improves torpedo interfaces and provides tactical TOMAHAWK (TOMAHAWK Block IV) capability.								
This program also develops and tests a Common Weapon Launcher (CWL), a COTS-based software weapons launch capability for all SSN688/688I and Virginia Class submarines. This upgrade provides a more reliable capability for launching missiles and torpedos from submarines while providing the architecture to support the introduction of the next generation of payloads and sensors.								
Funding was provided in Fiscal Year 2005 to explore the feasibility of an alternative concept to the current process for submarine maintenance, training and logistics infrastructure for the AN/BYG-1 system. A submarine maintenance free operating period would minimize the need for maintenance support products, maintenance training/trainers and maintenance and logistics infrastructures by developing a highly available submarine combat system. At-sea maintenance would be by keyboard action only and Original Equipment Manufacturers would provide pier-side maintenance and supply support. This would allow operators to focus on system employment versus system maintenance, while harnessing commercial processes and infrastructure for maintenance training and supply support.								

R-1 SHOPPING LIST - Item No. 116

# UNCLASSIFIED

**Exhibit R-2, RDTEN Budget Item Justification**  
(Exhibit R-2, page 1 of 11)

# UNCLASSIFIED

## CLASSIFICATION:

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 0604562N/SUBMARINE TACTICAL WARFARE SYSTEM	PROJECT NUMBER AND NAME 0236/SSN COMB CONT SYS IMP (ENG)	

**B. Accomplishments/Planned Program (Cont.)**

<b>AN/BYG-1 TI00/02</b>		FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost		3.000	0.000	0.000
RDT&E Articles Quantity				

FY05: Continued to resolve DT/OT discrepancies associated with AN/BYG-1 TI00/TI02.

<b>AN/BYG-1 TI04</b>		FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost		16.500	6.100	0.500
RDT&E Articles Quantity				

FY05: Continued development, integration and test of the next generation AN/BYG-1 (TI04) for SSN 688I/SSN 21 Class submarines scheduled for delivery in FY05.

FY06: Continue development, integration and test of the next generation AN/BYG-1 (TI04) for SSN 688 Class/ SSGN submarines scheduled for delivery in FY06.

FY07: Complete development, integration and test of the next generation AN/BYG-1 (TI04) for 688 Class/SSGN submarines scheduled for delivery in FY07.

<b>AN/BYG-1 TI06</b>		FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost		4.083	11.233	11.188
RDT&E Articles Quantity				

FY05: Began engineering development process for selection and prototyping of new technologies for TI06.

FY06: Continue development, integration and test of the next generation AN/BYG-1 (TI06) for 688/688I Class submarines scheduled for delivery in FY07.

FY07: Continue development, integration and test of the next generation AN/BYG-1 (TI06) for 688/688I Class submarines scheduled for delivery in FY07.

R-1 SHOPPING LIST - Item No. 116

UNCLASSIFIED

# UNCLASSIFIED

## CLASSIFICATION:

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 0604562N/SUBMARINE TACTICAL WARFARE SYSTEM	PROJECT NUMBER AND NAME 0236/SSN COMB CONT SYS IMP (ENG)																
<b>B. Accomplishments/Planned Program (Cont.)</b>																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><b>AN/BYG-1 TI08</b></td> <td style="width: 10%;"></td> <td style="width: 15%;">FY 05</td> <td style="width: 15%;">FY 06</td> <td style="width: 15%;">FY 07</td> </tr> <tr> <td>Accomplishments/Effort/Subtotal Cost</td> <td></td> <td>0.000</td> <td>0.000</td> <td>4.957</td> </tr> <tr> <td>RDT&amp;E Articles Quantity</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <div style="border: 1px solid black; padding: 10px; margin-top: 10px;"> FY07: Begin engineering development process for selection and prototyping of new technologies for TI08 for 688/VA Class/SSGN/SSN 21 Class submarines. </div>				<b>AN/BYG-1 TI08</b>		FY 05	FY 06	FY 07	Accomplishments/Effort/Subtotal Cost		0.000	0.000	4.957	RDT&E Articles Quantity				
<b>AN/BYG-1 TI08</b>		FY 05	FY 06	FY 07														
Accomplishments/Effort/Subtotal Cost		0.000	0.000	4.957														
RDT&E Articles Quantity																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><b>Advanced Processor Builds</b></td> <td style="width: 10%;"></td> <td style="width: 15%;">FY 05</td> <td style="width: 15%;">FY 06</td> <td style="width: 15%;">FY 07</td> </tr> <tr> <td>Accomplishments/Effort/Subtotal Cost</td> <td></td> <td>15.872</td> <td>15.189</td> <td>16.871</td> </tr> <tr> <td>RDT&amp;E Articles Quantity</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <div style="border: 1px solid black; padding: 10px; margin-top: 10px;"> FY05: Began integration of APB(T)-05 and APB(W)-04 into BYG-1. Completed APB-04 integration into AN/BYG-1 baseline.  FY06: Begin integration of APB(T)-06 and APB(W)-05/06 into BYG-1. Complete APB-05 integration into AN/BYG-1 baseline.  FY07: Begin integration of APB(T)-07 and APB(W)-07 into BYG-1. Complete APB-06 integration into AN/BYG-1 baseline. </div>				<b>Advanced Processor Builds</b>		FY 05	FY 06	FY 07	Accomplishments/Effort/Subtotal Cost		15.872	15.189	16.871	RDT&E Articles Quantity				
<b>Advanced Processor Builds</b>		FY 05	FY 06	FY 07														
Accomplishments/Effort/Subtotal Cost		15.872	15.189	16.871														
RDT&E Articles Quantity																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><b>Testing</b></td> <td style="width: 10%;"></td> <td style="width: 15%;">FY 05</td> <td style="width: 15%;">FY 06</td> <td style="width: 15%;">FY 07</td> </tr> <tr> <td>Accomplishments/Effort/Subtotal Cost</td> <td></td> <td>6.000</td> <td>3.500</td> <td>4.300</td> </tr> <tr> <td>RDT&amp;E Articles Quantity</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <div style="border: 1px solid black; padding: 10px; margin-top: 10px;"> FY05: Planned and began conduct of Development Testing of AN/BYG-1 TI04 on 688I/SSN 21 Class submarines.  FY06: Continue FOT&amp;E for AN/BYG-1 TI04 on SSN 688I Class/SSGN/SSN 21 Class submarines. Complete FOT&amp;E on 688I Class submarines.  FY07: Complete FOT&amp;E for AN/BYG-1 APB-05 on 688 Class/SSGN/SSN 21 Class submarines. Complete FOT&amp;E on SSN 21 and SSGN Class submarines. </div>				<b>Testing</b>		FY 05	FY 06	FY 07	Accomplishments/Effort/Subtotal Cost		6.000	3.500	4.300	RDT&E Articles Quantity				
<b>Testing</b>		FY 05	FY 06	FY 07														
Accomplishments/Effort/Subtotal Cost		6.000	3.500	4.300														
RDT&E Articles Quantity																		

R-1 SHOPPING LIST - Item No. 116

UNCLASSIFIED

Exhibit R-2, RD TEN Budget Item Justification  
(Exhibit R-2, page 3 of 11)

# UNCLASSIFIED

## CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification		DATE: <b>February 2006</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDTE, N /BA-5</b>	PROGRAM ELEMENT NUMBER AND NAME 0604562N/SUBMARINE TACTICAL WARFARE SYSTEM	PROJECT NUMBER AND NAME 0236/SSN COMB CONT SYS IMP (ENG)		
<b>B. Accomplishments/Planned Program (Cont.)</b>				
<b>Common Weapon Launcher</b>		FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost		0.000	4.052	13.840
RDT&E Articles Quantity				
FY06-FY07: Develop, integrate and test Common Weapon Launcher (CWL).				
		FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost				
RDT&E Articles Quantity				
		FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost				
RDT&E Articles Quantity				

R-1 SHOPPING LIST - Item No. 116

UNCLASSIFIED

# UNCLASSIFIED

## CLASSIFICATION:

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 0604562N/SUBMARINE TACTICAL WARFARE SYSTEM	PROJECT NUMBER AND NAME 0236/SSN COMB CONT SYS IMP (ENG)

**C. PROGRAM CHANGE SUMMARY:**

	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
Funding:			
FY2006 President Budget	47.497	40.690	55.089
FY2007 President Budget	45.455	40.074	51.656
Total Adjustments	-2.042	-0.616	-3.433
Summary of Adjustments:			
Programmatic/Other Adjustments	-1.042		-0.670
Execution Realignment	-1.000		
Inflation			0.245
Fuel Rates			0.055
Pay Rates			0.035
Rescissions/Reductions		-0.616	-3.098
TOTAL:	-2.042	-0.616	-3.433

Schedule:

- None

Technical:

- None

R-1 SHOPPING LIST - Item No. 116

UNCLASSIFIED

# UNCLASSIFIED

## CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification								DATE: <b>February 2006</b>	
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT NUMBER AND NAME			PROJECT NUMBER AND NAME			
<b>RDT&amp;E, N / BA-5</b>			0604562N/SUBMARINE TACTICAL WARFARE SYSTEM			0236/SSN COMB CONT SYS IMP (ENG)			

**D. OTHER PROGRAM FUNDING SUMMARY:**

<u>Line Item No. &amp; Name</u>	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Cost
OPN/BA-4 5420	111.226	132.072	86.876	105.309	98.046	106.799	113.303	CONT.	CONT.

Related RDT&E:  
 PE 0204229N (Tomahawk & Tomahawk Missile Planning Center)  
 PE 0205632N (MK 48 ADCAP)  
 PE 0603504N (Advanced Submarine Combat Systems Dev.)  
 PE 0604503N (SSN-688 and Trident Modernization)  
 PE 0604707N (Submarine Electronic Warfare Architecture/Eng. Support)

**E. ACQUISITION STRATEGY: AN/BYG-1:**

- Competitive contracts awarded in Dec 02 which started the development of a combat control system which segregates tactical control from weapons control system.
- This budget integrates APBs developed by the advanced development community.
- Advanced Processing Builds-Tactical (APB (T)) products associated with AN/BYG-1 Release-To- Fleet 4Q 2003, 3Q 2004, 3Q 2006, 3Q 2007, 3Q 2008, and 3Q 2009.
- Advanced Processing Builds-Weapons (APB (W)) integration associated with AN/BYG-1 began FY2005 and will be Released-To-Fleet bi-annually and concurrently with an annual APB(T) product. APB(W) are integrated bi-annually due to increased time for weapon certification and safety issues.
- Follow-On contract for both tactical and weapons control subsystems are planned for award in FY2008.
- This program has been tailored in accordance with the new DoD5000 directive to incorporate annual MDA production reviews.
- A competitive Phase 3 Small Business & Innovative Research (SBIR) contract was awarded for the CWL development.

**F. MAJOR PERFORMERS:**

Raytheon Portsmouth, RI - Software Development for AN/BYG-1 weapon control subsystem - December 2002.  
 General Dynamics (GD AIS) Fair Lakes, VA - Software Development for AN/BYG-1 tactical control system - December 2002.  
 NUWC Newport, RI - Government Engineering  
 Progeny Systems, VA - CWL, Information Assurance (IA) and Multi-tube Weapon Simulator (MTWS) Developer

R-1 SHOPPING LIST - Item No.116

UNCLASSIFIED

# UNCLASSIFIED

## CLASSIFICATION:

Exhibit R-3 Cost Analysis (page 1)										DATE: <b>February 2006</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-5</b>			PROGRAM ELEMENT 0604562N/SUBMARINE TACTICAL WARFARE SYSTEM			PROJECT NUMBER AND NAME 0236/SSN COMB CONT SYS IMP (ENG)						
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
Multi-Tube Weapon Simulator	SBIR	Progeny	2.635							0.000	2.635	
AN/BYG-1 Tech Insertion	CPIF/CPAF	Raytheon Portsmouth, RI	5.333	9.306	10/04	8.347	10/05	8.028	10/06	CONT.	CONT.	
AN/BYG-1 Tech Insertion	CPIF/CPAF	General Dynamics (GD AIS)	5.202	8.969	10/04	7.992	10/05	6.304	10/06	CONT.	CONT.	
Government Engineering	WR	NUWC Newport, RI	57.236	2.531	Various	0.869	Various	2.213	Various	CONT.	CONT.	
AN/BYG-1 Tech Insertion	FFRDC	MITRE	1.502	0.475	10/04	0.125	02/06	0.100	10/06	CONT.	CONT.	
AN/BYG-1 Tech Insertion	CPIF/CPAF	ANTEON	4.000	2.000							6.000	
Common Weapon Launcher	CPAF	Progeny				4.052	01/06	13.840			17.892	
COTS Hardware & Software	CPFF	DDL Omni	8.500								8.500	
											0.000	
Subtotal Product Development			112.313	23.281		21.385		30.485		0.000	187.464	
Remarks:												
Development Support Equipment											0.000	
APB Software Integration	CPIF/CPAF	Raytheon Portsmouth, RI	4.970	6.428	10/04	6.152	10/05	6.833	10/06	CONT.	24.383	
APB Software Integration	CPIF/CPAF	General Dynamics (GD AIS)	4.847	6.270	10/04	6.001	10/05	6.664	10/06	CONT.	23.782	
APB Software Integration	WR	NUWC Newport, RI	2.454	3.174	Various	3.036	Various	3.374	Various	CONT.	12.038	
											0.000	
Software Development	Various	Various	36.679								36.679	
											0.000	
Subtotal Support			48.950	15.872		15.189		16.871		0.000	96.882	
Remarks:												

R-1 SHOPPING LIST - Item No. 116

UNCLASSIFIED

Exhibit R-2, RD TEN Budget Item Justification  
(Exhibit R-2, page 7 of 11)

# UNCLASSIFIED

CLASSIFICATION:

Exhibit R-3 Cost Analysis (page 2)										DATE: <b>February 2006</b>			
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-5</b>			PROGRAM ELEMENT 0604562N/SUBMARINE TACTICAL WARFARE SYSTEM			PROJECT NUMBER AND NAME 0236/SSN COMB CONT SYS IMP (ENG)							
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	Various	Various	9.212	3.750	10/04	2.350	10/05	2.700	10/06	CONT.	CONT.		
Operational Test & Evaluation	Various	Various	7.769	2.250	10/04	1.150	10/05	1.600	10/06	CONT.	CONT.		
Test & Evaluation	Various	Various	1.295									1.295	
												0.000	
												0.000	
												0.000	
												0.000	
Subtotal T&E			18.276	6.000		3.500		4.300		0.000	32.076		
Remarks:													
Contractor Engineering Support											0.000		
Government Engineering Support											0.000		
Program Management Support	CPFF	EG&G Arlington, VA	8.731	0.302	10/04	0.000		0.000		CONT.	CONT.		
Travel	PD	NAVSEA Arlington, VA	0.350							CONT.	0.350		
Labor (Research Personnel)											0.000		
SBIR Assessment											0.000		
Subtotal Management			9.081	0.302		0.000		0.000		0.000	9.383		
Remarks:													
Total Cost			188.620	45.455		40.074		51.656		0.000	325.804		
Remarks:													

R-1 SHOPPING LIST - Item No. 116

-5.95042

UNCLASSIFIED

Exhibit R-2, RD TEN Budget Item Justification  
(Exhibit R-2, page 8 of 11)



UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R4, Schedule Profile																				DATE: February 2006											
APPROPRIATION/BUDGET ACTIVITY					PROGRAM ELEMENT NUMBER AND NAME										PROJECT NUMBER AND NAME																
RDT&E, N / BA-5					0604562N / Submarine Tactical Warfare System										0236 / Submarine Combat System Improvements																
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			
Acquisition Milestones	▲			▲				△				△				△			△				△				△				
	Annual MDA Program Review			Annual MDA Program Review				Annual MDA Program Review				Annual MDA Program Review				Annual MDA Program Review			Annual MDA Program Review				Annual MDA Program Review				Annual MDA Program Review				
APB I&T, Certification		APB-05								APB-07								APB-09								APB-11					
	APB-04					APB-06							APB-08							APB-10											
AN/BYG-1 Tech Insertion Development, I&T Certification	TI-04	TI-06															TI-10														
									TI-08																			TI-12			
Common Weapon Launcher (CWL)						CWL																									
Test & Evaluation Milestones																															
DT / FOT&E																															
AN/BYG-1	TI-02 ▲			▲		TI-04		△			△	TI-06	△			△	APB-07	△			△	TI-08	△			△	APB-09	△			
						APB-04						APB-06										APB-08						TI-10			
CWL						APB-05											△	CWL (DT/OT)	△			△	CWL (FOT&E)	△							
Production																															
FY04																															
FY05																															
FY06																															
FY07																															
FY08																															
FY09																															
FY10																															
FY11																															

R-1 SHOPPING LIST - Item No. 116

UNCLASSIFIED

Exhibit R-2, RDTEN Budget Item Justification  
(Exhibit R-2, page 9 of 11)

**UNCLASSIFIED**

**CLASSIFICATION:**

[illegible]

R-1 SHOPPING LIST - Item No. 116

**UNCLASSIFIED**

### Exhibit R-2, RD TEN Budget Item Justification

(Exhibit R-2, page 10 of 11)

# UNCLASSIFIED

## CLASSIFICATION:

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 0604562N/SUBMARINE TACTICAL WARFARE SYSTEM	PROJECT NUMBER AND NAME 9999/Congressional Plus-Ups : VARIOUS																	
<b>CONGRESSIONAL PLUS-UPS:</b>																			
<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 25%;"></td><td style="width: 15%; text-align: center;">FY 06</td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 30%;"></td></tr><tr><td>1950C</td><td></td><td></td><td></td><td></td></tr><tr><td>Submarine Open Architecture Technology Insertion</td><td style="text-align: center;">2.500</td><td></td><td></td><td></td></tr></table>						FY 06				1950C					Submarine Open Architecture Technology Insertion	2.500			
	FY 06																		
1950C																			
Submarine Open Architecture Technology Insertion	2.500																		
<div style="border: 1px solid black; padding: 5px; min-height: 60px;">FY06: Re-engineer and migrate unique military standard sensors, electronics, and software system components to common COTS based architectures and technologies. Identify and migrate high risk/high reward components of AN/BYG-1, as well as identify opportunities for commonality across sub and surface ship electronic subsystems.</div>																			
<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 25%;"></td><td style="width: 15%; text-align: center;">FY 06</td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 30%;"></td></tr><tr><td>9850N</td><td></td><td></td><td></td><td></td></tr><tr><td>Automated Submarine Command and Control Center</td><td style="text-align: center;">1.750</td><td></td><td></td><td></td></tr></table>						FY 06				9850N					Automated Submarine Command and Control Center	1.750			
	FY 06																		
9850N																			
Automated Submarine Command and Control Center	1.750																		
<div style="border: 1px solid black; padding: 5px; min-height: 60px;">Transition weapons launch technology efforts required to accelerate hardware and software production, integration and installation of Weapon Launch System Technology Refresh Improvements for both Virginia Class and In-Service Submarines.</div>																			
<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 25%;"></td><td style="width: 15%; text-align: center;">FY 06</td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 30%;"></td></tr><tr><td>9851N</td><td></td><td></td><td></td><td></td></tr><tr><td>Bandwidth Management for Distance Support</td><td style="text-align: center;">1.700</td><td></td><td></td><td></td></tr></table>						FY 06				9851N					Bandwidth Management for Distance Support	1.700			
	FY 06																		
9851N																			
Bandwidth Management for Distance Support	1.700																		
<div style="border: 1px solid black; padding: 5px; min-height: 60px;">Develops common software applications and tools that will optimize the bandwidth allocated to Distance Support and the Afloat Integrated Learning Environment (AILE).</div>																			

R-1 SHOPPING LIST - Item No. 116

UNCLASSIFIED