

Exhibit R-2, RDT&E Budget Item Justification									Date: February 2005	
APPROPRIATION/BUDGET ACTIVITY RDT&E,N /7					R-1 ITEM NOMENCLATURE 0204575N Electronic Warfare Readiness Support					
COST (\$ in Millions)	FY 04	FY 05	FY 06	FY07	FY08	FY09	FY10	FY11	TO COMPLETE	TOTAL
Information Warfare/2263	7.538	5.821	10.456	13.642	17.757	9.195	9.313	9.445	CONT	CONT
Quantity of RDT&E Articles	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
A. Mission Description and Budget Item Justification										
<p>The Naval Information Warfare Activity (NIWA) serves as the Program Manager for the Offensive Information Warfare (IW) program. As such, NIWA is tasked as the Navy's principal technical agent to research, assess, develop, and prototype IW capabilities. The key focus is to provide tactical commanders with both an IW Mission Planning, Analysis and Command and Control Targeting System (IMPACTS) tool and state-of-the-art Electronic Attack (EA) hardware and software. This project will continue with the development and integration of EA systems (e.g., USQ-146 and SSQ-137) onto various platforms through the out-years. Ongoing software efforts are to identify and develop IW planning and execution tools, as well as computer network operations capabilities. In addition, NIWA is responsible for the management of the Navy Vulnerability Assessment Counter-Measures program (NVACM), which assesses information systems in the design phase to ensure security confidence/integrity of fielded capabilities.</p>										
<p>The budget provides for the expansion of Computer Network Operations (CNO). Specific efforts include: expanded target area capability development, test bed design and development to support the evaluation of emerging technologies (hardware), expansion of R&D test facility to validate capabilities (software), evaluate execution from unmanned/wireless "networks", and development of a concept of operations for the weaponization/ operationalization of CNO. Some details of CNO are held at a higher classification level.</p>										

Exhibit R-2a, RDT&E Project Justification									Date: February 2005	
APPROPRIATION/BUDGET ACTIVITY RDT&E,N /7			PROGRAM ELEMENT 0204575N		PROJECT NAME AND NUMBER Information Warfare/2263					
Cost (\$ in Millions)	FY 04	FY 05	FY 06	FY 07	FY08	FY09	FY10	FY11	Cost to Complete	Total Cost
Project Cost	7.538	5.821	10.456	13.642	17.757	9.195	9.313	9.445	Continuing	Continuing
RDT&E Articles Qty	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Exhibit R-2a, RDT&E Project Justification								Date: February 2005
A. Accomplishments/Planned Program								
FY2004 Plans								
(2.3) – IMPACTS updates								
(2.4) – Electronic Attack								
(1.1) – Computer Network Operations (CNO)								
(1.2) – Navy Vulnerability Assessment Counter-Measures (NVACM)								
(0.5) – Program Office Support								
FY2005 Plans								
(2.5) – IMPACTS updates								
(1.6) – Electronic Attack								
(1.2) – Navy Vulnerability Assessment Counter-Measures (NVACM)								
(0.0) – Navy IO								
(0.6) – Program Office Support								
FY2006 Plans								
(2.0) - IMPACTS updates								
(2.6) - Electronic Attack								
(2.4) - Computer Network Operations (CNO)								
(1.4) - Navy Vulnerability Assessment Counter-Measure (NVACM)								
(1.6) - Navy IO								
(0.5) - Program Office Support								
B. Other Program Funding Summary								
	<u>FY04</u>	<u>FY05</u>	<u>FY06</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>
OMN Line 4B7N	2.7	2.6	2.7	2.7	2.8	2.9	3.0	3.0
OPN 234000/6	4.2	4.0	3.9	5.0	7.1	4.2	4.3	4.3
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C. Acquisition Strategy: N/A								
D. Schedule Profile: N/A								

Exhibit R-2a, RDT&E Project Justification							Date: February 2005	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT		PROJECT NAME AND NUMBER					
RDT&E,N /7	0204575N		Information Warfare/Z2263					
E. Program Change Summary:								
	<u>FY04</u>	<u>FY05</u>	<u>FY06</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>
PB06	7.538	5.821	10.456	13.642	17.757	9.195	9.313	9.445
PB05	<u>7.691</u>	<u>5.874</u>	<u>9.786</u>	<u>8.699</u>	<u>8.876</u>	<u>9.053</u>	<u>0.000</u>	<u>0.000</u>
Total Adjustments	-.153	-.053	.670	4.943	8.881	0.142	9.313	9.445
<u>Summary of Adjustments:</u>								
Congressional Adjustments	-0.000	-0.052						
Reprogramming	-0.153	-0.001						
Programmatic Adjustment	<u>0.000</u>	<u>0.000</u>	<u>0.670</u>	<u>4.943</u>	<u>8.881</u>	<u>0.142</u>	<u>9.313</u>	<u>9.445</u>
Total Adjustments	-0.153	-0.053	0.670	4.943	8.881	0.142	9.313	9.445

Exhibit R-3 Cost Analysis									Date: February 2005			
RDT&E,N/7				Program Element: 0204575N					Information Warfare/Z2263			
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY04 Cost	FY04 Award Date	FY05 Cost	FY05 Award Date	FY06 Cost	FY06 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development	Var	Var	9.576	1.969	Var	1.762	Var	3.478	Var	Cont.	Cont	
Subtotal Product Development			9.576	1.969	Var	1.762	Var	3.478	Var	Cont.	Cont	
Development Support	Var	Var	2.984	1.819	Var	1.034	Var	1.532	Var	Cont.	Cont	
Software Development	Var	Var	3.901	2.000	Var	1.100	Var	3.200	Var	Cont.	Cont	
Subtotal Support			6.885	3.819	Var	2.134	Var	4.732	Var	Cont.	Cont	
Remarks												

Exhibit R-3 Cost Analysis									Date: February 2005			
RDT&E,N/7				Program Element: 0204575N					INFORMATION WARFARE/Z2263			
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY04 Cost	FY04 Award Date	FY05 Cost	FY05 Award Date	FY06 Cost	FY06 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	Var	Var	0.400	0.65	Var	0.700	Var	1.000	Var	Cont.	Cont	
Subtotal T&E			0.400	0.65	Var	0.700	Var	1.000	Var	Cont.	Cont	
Remarks												
AIS Support	Var	Var	0.150	0.10	Var	0.100	Var	0.100	Var	Cont.	Cont	
Government Engineering Support	Var	Var	0.935	0.45	Var	0.525	Var	0.535	Var	Cont.	Cont	
Program Management Support	Var	Var	1.100	0.55	Var	0.600	Var	0.611	Var	Cont.	Cont	
Subtotal Management			2.185	1.10	Var	1.225	Var	1.255	Var	Cont.	Cont	
Remarks												
Total Cost			19.046	7.538	Var	5.821	Var	10.456	Var	Cont.	Cont	
Remarks												