APPROPRIATION/BUDGET ACTIVITY : RDT&E,N/7	R-1 ITEM NOMENCLATURE INFORMATION WARFARE 0204575N

Exhibit R-2, RDT&E Budget Item Justification								Date: June 2001	
COST ($ in Millions)	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	Cost to Complete	Total Cost
TOTAL PE COSTS	8.853	9.833	7.659						CONT	CONT.
Z2263 Information Warfare	3.421	4.414	4.635						CONT	CONT
Z2462 Retract Barley*	5.432	5.419	3.024						CONT	CONT
Quantity of RDT&E Articles	VAR	VAR	TBD	TBD	TBD	TBD	TBD	TBD	CONT.	CONT.

*Details held at a higher classification.

Details below for project Z2263 only.

A. Mission Description and Budget Item Justification :The Naval Information Warfare Activity (NIWA) serves as the Program Manager for the OFFENSIVE IW program. As such NIWA is tasked as the Navy's principal technical agent to research, assess, develop and prototype Information Warfare (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 hardware and software. FY01 will initiate design to modify and incorporate the second generation jammer into the USQ-146. This project will continue with upgrades to the USQ-146 through the out-years. Ongoing efforts are to identify and develop new IW tools.

B. Program Change Summary: Miscellaneous funding adjustments are detailed below.

COST ($ in Millions)	FY 00	FY 01	FY02	FY 03	FY 04	FY 05	FY 06	FY 07
Carryover from Audit Trail 99	3.494	4.455	5.405					
FY01 Pres Bud Adjustments	-0.019	-0.000	-0.058					
ASN(RDA) BTR #00-18	-0.130	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SBIR	-0.086	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Reverse NWCF Rates	0.000	0.000	-0.001	-0.000	-0.000	-0.000	0.000	0.000
POM 02	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Final POM 02 Adj.	0.000	0.000	-0.007	0.000	0.000	-0.000	-0.000	0.000
Section 8086 (.7% Pro-rata)	0.000	-0.031	0.000	0.000	0.000	0.000	0.000	0.000
BTR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Section 8055 (Pro-rata)	-0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NWCF Adj. – Spawar	0.000	0.000	0.002	0.000	-0.000	0.000	-0.000	-0.000
IW adjustment	0.000	0.000	-0.700	-0.000	-0.000	-0.000	-0.000	0.000
FMB Adj	0.000	0.000	0.000	0.000	-0.000	-0.000	0.000	0.000
PBD 604 (Non-pay adj.)	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000
P.L. 106-554	0.000	-0.010	0.000	0.000	0.000	0.000	0.000	0.000
NWCF Adj.	0.000	0.000	-0.013	-0.000	-0.000	-0.000	-0.000	-0.000
SBIR	0.000	- 0.043	0.000	0.000	0.000	0.000	0.000	0.000
2000 Actuals	0.176	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Gov't Wide Rescission	0.000	-0.010	0.000	0.000	0.000	0.000	0.000	0.000
PBD 807	0.000	0.000	0.000	-0.000	0.000	0.000	-0.000	-0.000
Total Funding	3.421	4.414	4.635					

Exhibit R-2a, RDT&E Project Justification									Date: June 2001	
RDT&E,N BA-7			0204575N		INFORMATION WARFARE Z2263					
Cost ($ in Millions)	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	Cost to Complete	Total Cost
Project Cost	3.421	4.414	4.635						CONT.	CONT.
RDT&E Articles Qty	VAR	VAR	VAR	TBD	TBD	TBD	TBD	TBD	CONT.	CONT.

A. Mission Description and Budget Item Justification

FY 2000 Accomplishments
(1.550) IMPACTS GCCS-M
(0.771) Perception Management
(1.100) Electronic Attack
FY 2001 Plan
(2.000) IMPACTS Updates
(0.759) Perception Management
(1.655) Electronic Attack
FY 2002 Plan
(2.930) IMPACTS Updates
(0.005) Perception Management
(1.700) Electronic Attack
FY 2003 Plan
(2.900) IMPACTS Updates
(0.101) Perception Management
(1.800) Electronic Attack

B. Other Program Funding Summary

	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	To Complete	Total Cost
OMN Line 4B7N	1.789	1.985	2.340						CONT.	CONT.
OPN 23400/6	4.003	3.866	2.908						CONT.	CONT.

Acquisition Strategy: This is a non-ACAT program.

D. Schedule Profile: Convert IMPACTS/GCCS-M software (RFMP and CM+) operating system format and support laboratory and shipboard tests of converted software. Continue transition to PC based software in addition to current, UNIX based GUI. Instituted and federated object model into all IW mission planning support software. Initiated inclusion of EMPIRE, RFMP, C2WC, CM+ into Mission Planning Manager. This software will be delivered in April 2001 as part of initial SPAWAR test of GCCS-M version 4.0.

PSYOP/Tactical Deception: Completed the Shipalt for the Transportable AM/FM Radio Broadcast System (TARBS) in support of FIWC PSYOP Operations. Field testing of the TARBS system and the purchase of spares kit has been completed. Initiated modification of the NIWA/NRL software suite to provide visual evaluation of the impact of Tactical Deception plans on an enemy's ability to detect ship movements using RADAR.

Electronic Attack: Initiated design of HF modification to AN/USQ-146 and changed the format to VME configuration. This is an ongoing process. In FY00 completed procurement of three AN/USQ-146 units and associated spares. The program has also provided carry-on ESM systems for deploying battle groups, supported USMC (MEWS) evaluation and adoption of AN/USQ-146 and JSOC evaluation of modified AN/USQ-146 in a helicopter.

Cost ($ in Millions)	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07
IMPACTS	1.550	2.000	2.930					
Perception Mgmt	0.771	0.759	0.005					
Electronic Attack	1.100	1.655	1.700					

Exhibit R-3 Cost Analysis | Date: June 2001

RDT&E,N/7 | Program Element: 0204575N | INFORMATION WARFARE/Z2263

Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY01 Cost	FY01 Award Date	FY02 Cost	FY02 Award Date	FY03 Cost	FY03 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development	Var	Var	1.675	0.743	Var	.900	Var	0.000	Var	Cont.	Cont.	
Held Under Higher Classification			0									
Subtotal Product Development			1.675	0.743	Var	.900	Var	0.000	Var	Cont.	Cont.	
Development Support	Var	Var	0.500	1.500	Var	1.900	Var	0.000	Var	Cont.	Cont.	
Software Development	CPFF	SAIC	0.487	1.069	1Q00	1.302	1Q01	0.000	1Q02	Cont.	Cont.	
Subtotal Support			.987	2.569	Var	3.202	Var	0.000	Var	Cont.	Cont.	

Remarks

R-1 Shopping List - Items from R-1

Exhibit R-3, Project Cost Analysis

(Exhibit R-3, page 1 of 2)

Exhibit R-3 Cost Analysis | Date: June 2001

RDT&E,N/7 | Program Element: 0204575N | INFORMATION WARFARE/Z2263

Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY01 Cost	FY01 Award Date	FY02 Cost	FY02 Award Date	FY03 Cost	FY03 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	Var	Var	0.300	0.600	Var	0		0		0		
Subtotal T&E			0.300	0.600	Var							
Remarks												
AIS Support	Var	Var	0	0.102	Var	0	0	0	0	Cont.	Cont.	
Government Engineering Support	Var	Var	0.200	0.200		0.243	Var	0.000	Var	Cont.	Cont.	
Program Management Support	Var	Var	0.259	0.200		0.290	Var	0.000	Var	Cont.	Cont.	
Subtotal Management			0.459	0.502	Var	0.533	Var	0.000	Var	Cont.	Cont.	
Remarks												
Total Cost			3.421	4.414	Var	4.635	Var	0.000	Var	Cont.	Cont.	
Remarks												

R-1 Shopping List - Items from R-1

(Exhibit R-3, page 2 of 2)