

UNCLASSIFIED  
 FY2008/2009 PRESIDENT'S BUDGET ESTIMATES

BSO: COMMANDER, U. S. FLEET FORCES COMMAND							
<b>CLASSIFICATION:</b>							
EXHIBIT R-2, RDT&E Budget Item Justification						DATE: <b>8-Jan-07</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RESEARCH DEVELOPMENT TEST &amp; EVALUATION, NAVY /</b>				<b>BA-06</b>		R-1 ITEM NOMENCLATURE 0305885N - Tactical Cryptologic Activities	
COST (\$ in Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total PE Cost 0305885N	1.000	1.508	2.011	2.514	2.011	2.053	2.097
0037	1.000	1.508	2.011	2.514	2.011	2.053	2.097
Quantity of RDT&E Articles							
<p><b>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b>          This is a continuing program that will provide advanced technologies and capabilities to current Electronic Warfare/Electronic Intelligence system programs of record (POR). By developing concepts of data/information exchange within the Global Information Grid (GIG) as envisioned by Chief of Naval Operations (CNO) and outlined within the FORCEnet concept. To comply with the intent of the GIG this program will address compression, transmission, de-compression, re-compression and long term storage of targeted data/information without degradation. This program will become an enabler for future capabilities such as remote operation of surface, subsurface, and air EW/ELINT open architecture PORs. A holistic approach to data/information format, processing, transmission, and storage will require developments in antenna technology, communications capabilities, operational concepts, and software development. In order to effectively achieve these objectives the program has budgeted for a progressive increase in funding from FY07 through FY10 to account for increased cost projected in the development of new and burgeoning technologies.</p> <p><b>(U) JUSTIFICATION FOR BUDGET ACTIVITY:</b>          This project support the Chief of Naval Operations vision for implementation of FORCEnet.</p>							

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EXHIBIT R-2a, RDT&E Project Justification		DATE: <b>8-Jan-07</b>		
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-06</b>	PROGRAM ELEMENT NUMBER AND NAME 0305885N - Tactical Cryptologic Activities	PROJECT NUMBER AND NAME 0037		
<b>(U) B. Accomplishments/Planned Program</b>				
	FY 07	FY 08	FY 09	
JIIOR Management	1.000	1.508	2.011	
RDT&E Articles Quantity				
<p><b>FY07 PLAN:</b></p> <ul style="list-style-type: none"> <li>- Electromagnetic Data/Information Compression Techniques: Develop Electromagnetic Data/Information compression techniques that will allow for the compression, transmission, de-compression, re-compression and long term storage of targeted data/information without degradation. Efficient compression techniques will improve bandwidth utilization and increase the information exchange rate via the GIG. Commercial-off-the-shelf technology will be utilized to the greatest extent possible but due to the unique requirements of certain Electromagnetic data/information analyst/customers it may be necessary to modify commercial technology or develop government technology to meet those requirements.</li> <li>- Remote Specific Emitter Identification/Unintentional Modulation on the Pulse (SEI/UMOP) Processing: Determine the minimum number of pulses required to be digitally forwarded for SEI/UMOP extraction at a remote site that consistently produces accurate SEI/UMOP measurements that are compliant with the national standard. The requirement for SEI/UMOP capabilities is well documented within CFFC requirement messages.</li> <li>- Antenna Technology Development and Advances: To continue to meet changing environmental and technology requirements, NNWC will continue to invest in advanced antenna technology in partnership with NRL, CNO, ONI, DNR, Combatant Fleet Commanders, and National partners.</li> </ul>				
<p><b>FY08 PLAN:</b> Continue development as outlined for FY07.</p>				
<p><b>FY09 PLAN:</b> Continue development as outlined for FY07.-</p>				

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EXHIBIT R-2a, RDT&E Project Justification						DATE:	8-Jan-07
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME				PROJECT NUMBER AND NAME		
<b>RDT&amp;E, N / BA-6</b>	0305885N - Tactical Cryptologic Activities				0037		
<b>(U) C. PROGRAM CHANGE SUMMARY:</b>							
(U) Funding:	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
FY 07 President's Budget	1.004	1.508	2.011	2.514	2.011	2.053	2.097
FY08/09 FMB Submit	1.000	1.508	2.011	2.514	2.011	2.053	2.097
Total Adjustments	0.004	0.000	0.000	0.000	0.000	0.000	0.000
Summary of Adjustments							
Sec. 8106 Revised Econ	-0.004						
Total	-0.004						
(U) Schedule:							
Not Applicable							
(U) Technical:							
Not Applicable							

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APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME			PROJECT NUMBER AND NAME		
<b>RDT&amp;E, N / BA-6</b>		0305885N - Tactical Cryptologic Activities			0037		
<b>(U) D. OTHER PROGRAM FUNDING SUMMARY:</b>							
<u>Line Item No. &amp; Name</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>
Not Applicable							
<b>(U) E. ACQUISITION STRATEGY: *</b>							
Not Applicable							
<b>(U) F. MAJOR PERFORMERS:</b>							
NONE							
<b>(U) G. PERFORMANCE METRICS:</b>							
NONE							
* Not required for Budget Activities 1,2,3, and 6							



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EXHIBIT R4, Schedule Profile																	DATE: <b>8-Jan-07</b>											
APPROPRIATION/BUDGET / PROGRAM ELEMENT NUMBER AND NAME													PROJECT NUMBER AND NAME															
<b>RDT&amp;E, N / BA-06</b>													0305885N - Tactical Cryptologic Activities								0037							
Fiscal Year	2007				2008				2009				2010				2011				2012				2013			
	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
<b>Acquisition Milestones</b>																												
Prototype Phase																												
System Development (e.g., Radar System dev.)																												
Equipment Delivery (e.g., EDM Radar Delivery)																												
Software 1XXSW Delivery 2XXSW Delivery																												
<b>Test &amp; Evaluation Milestones</b>																												
Development Test																												
Operational Test																												
<b>Production Milestones</b>																												
LRIP I																												
LRIP II																												
FRP																												
Deliveries																												

\* Not required for Budget Activities 1, 2, 3, and 6

\*\* The minimum data set to be presented on each R-4, will consist of the items listed above if the individual data point is applicable to the particular project.

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Exhibit R-4a, Schedule Detail				DATE: 8-Jan-07			
APPROPRIATION/BUDGET ACTIVITY			PROJECT NUMBER AND NAME				
<b>RDT&amp;E, N / BA-6</b>			0037				
Schedule Profile	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Prototype Phase							
System Design Review (SDR)							
Milestone II (MSII)							
Contract Preparation							
Software Specification Review (SSR)							
Preliminary Design Review (PDR)							
System Development							
Critical Design Review (CDR)							
Quality Design and Build							
Test Readiness Review (TRR)							
Developmental Testing (DT-IIA)							
Eng Dev Model (EDM) Radar Delivery - Lab							
Software Delivery 1XXSW							
Preproduction Readiness Review (PRR)							
EDM Radar Delivery - Flt Related							
Milestone C (MS C)							
Operational Testing (OT-IIA)							
Start Low-Rate Initial Production I (LRIP I)							
Software Delivery 2XXSW							
Developmental Testing (DT-IIB1)							
Developmental Testing (DT-IIB2)							
Start Low-Rate Initial Production II							
Operational Testing (OT-IIB)							
Developmental Testing (DT-IIC)							
Functional Configuration Audit (FCA)							
Low-Rate Initial Production I Delivery							
Technical Evaluation (TECHEVAL)							
Physical Configuration Audit							
Operational Evaluation (OT-IIC) (OPEVAL)							
Low-Rate Initial Production II Delivery							
IOC							
Full Rate Production (FRP) Decision							
Full Rate Production Start							
First Deployment							