

**UNCLASSIFIED  
FY2007 PRESIDENTS BUDGET**

<b>CLASSIFICATION:</b>								
EXHIBIT R-2, RDT&E Budget Item Justification							DATE: <b>FEB 2006</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 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	
Total PE Cost	<b>0.000</b>	<b>0.000</b>	<b>1.004</b>	<b>1.508</b>	<b>2.011</b>	<b>2.514</b>	<b>2.011</b>	
0037	<b>0.000</b>	<b>0.000</b>	<b>1.004</b>	<b>1.508</b>	<b>2.011</b>	<b>2.514</b>	<b>2.011</b>	
Quantity of RDT&E Articles								
<p><b>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b>  This program 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 supports implementation of FORCEnet.</p>								

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EXHIBIT R-2a, RDT&E Project Justification		DATE: <b>FEB 2006</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 05	FY 06	FY 07	
JIIOR Management	0.000	0.000	1.004	
RDT&E Articles Quantity				
<b>FY05 ACCOMPLISHMENTS: N/A</b>				
<b>FY06 PLAN: N/A</b>				
<b>FY07 PLAN:</b> - 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. - 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. - Antenna Technology Development and Advances: To continue to meet changing environmental and technology requirements, propose that CNSG continue to invest in advanced antenna technology in partnership with NRL, CNO, ONI, DNR, Combatant Fleet Commanders, and National partners.				

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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>	PROGRAM ELEMENT NUMBER AND NAME 0305885N - Tactical Cryptologic Activities	PROJECT NUMBER AND NAME 0037																									
<p><b>(U) C. PROGRAM CHANGE SUMMARY:</b></p> <table style="width: 100%; border-collapse: collapse;"><thead><tr><th style="text-align: left; width: 30%;">(U) Funding:</th><th style="text-align: right; width: 15%;">FY 2005</th><th style="text-align: right; width: 15%;">FY 2006</th><th style="text-align: right; width: 15%;">FY 2007</th></tr></thead><tbody><tr><td>FY 06 President's Budget</td><td style="text-align: right;">0.000</td><td style="text-align: right;">0.000</td><td style="text-align: right;">0.000</td></tr><tr><td>FY 07 FMB Submit</td><td style="text-align: right;">0.000</td><td style="text-align: right;">0.000</td><td style="text-align: right;">1.004</td></tr><tr><td>Total Adjustments</td><td style="text-align: right; border-top: 1px solid black;">0.000</td><td style="text-align: right; border-top: 1px solid black;">0.000</td><td style="text-align: right; border-top: 1px solid black;">1.004</td></tr><tr><td colspan="4" style="padding-top: 20px;">Summary of Adjustments</td></tr><tr><td>ELINT Transformation.</td><td></td><td></td><td style="text-align: right;">1.004</td></tr></tbody></table> <p>(U) Schedule: Not Applicable</p>   <p>(U) Technical: Not Applicable</p>				(U) Funding:	FY 2005	FY 2006	FY 2007	FY 06 President's Budget	0.000	0.000	0.000	FY 07 FMB Submit	0.000	0.000	1.004	Total Adjustments	0.000	0.000	1.004	Summary of Adjustments				ELINT Transformation.			1.004
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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-6</b>		PROGRAM ELEMENT NUMBER AND NAME 0305885N - Tactical Cryptologic Activities			PROJECT NUMBER AND NAME 0037																		
<p><b>(U) D. OTHER PROGRAM FUNDING SUMMARY:</b></p> <table style="width: 100%; border-collapse: collapse;"><thead><tr><th style="text-align: left; border-bottom: 1px solid black;">Line Item No. &amp; Name</th><th style="text-align: center; border-bottom: 1px solid black;">FY 2005</th><th style="text-align: center; border-bottom: 1px solid black;">FY 2006</th><th style="text-align: center; border-bottom: 1px solid black;">FY 2007</th><th style="text-align: center; border-bottom: 1px solid black;">FY 2008</th><th style="text-align: center; border-bottom: 1px solid black;">FY 2009</th><th style="text-align: center; border-bottom: 1px solid black;">FY 2010</th><th style="text-align: center; border-bottom: 1px solid black;">FY 2011</th></tr></thead><tbody><tr><td colspan="8" style="padding-top: 20px;">Not Applicable</td></tr></tbody></table> <p style="margin-top: 40px;"><b>(U) E. ACQUISITION STRATEGY: *</b></p> <p style="margin-left: 40px;">Not Applicable</p> <p style="margin-top: 40px;"><b>(U) F. MAJOR PERFORMERS:</b></p> <p style="margin-left: 40px;">NONE</p> <p style="margin-top: 40px;"><b>(U) G. PERFORMANCE METRICS:</b></p> <p style="margin-left: 40px;">NONE</p> <p style="margin-top: 40px;">* Not required for Budget Activities 1,2,3, and 6</p>								Line Item No. & Name	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Not Applicable							
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Exhibit R-3 Cost Analysis (page 1)										DATE: FEB 2006		
APPROPRIATION/BUDGET ACTIVITY				PROGRAM ELEMENT				PROJECT NUMBER AND NAME				
RDT&E, N / BA-06				0305885N TACTICAL CYRPTOLOGIC ACTIVITIES				PROJECT 0037				
Remarks: Funding will not be acquired until FY-07. Currently in the process of development for FY-07 execution.												

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