

UNCLASSIFIED

<b>Exhibit R-2, RDT&amp;E Budget Item Justification</b>									<b>DATE:</b> June 2001	
<b>APPROPRIATION/BUDGET ACTIVITY</b> RDT&E, Defense-Wide/07					<b>R-1 ITEM NOMENCLATURE</b> Joint Spectrum Center (JSC)/PE 0303153K					
COST (in millions)	FY00	FY01	FY02						Cost to Complete	Total Cost
Joint Spectrum Center (JS1)	8.357	8.198	8.849						Contg	Contg

A. Mission Description and Budget Item Justification: The Joint Spectrum Center's (JSC) mission is to ensure the Department of Defense's effective use of the electromagnetic spectrum in support of national security and military objectives. The JSC serves as the DOD center of excellence for electromagnetic (EM) spectrum management matters in support of the Unified Commands, Joint Staff, Assistant Secretary of Defense for Command, Control, Communications and Intelligence (ASD (C<sup>3</sup>I)), Military Departments, and Defense Agencies. The JSC supports the Electronic Protect missions of Information Warfare (IW) as they relate to spectrum supremacy. It is responsible for developing and maintaining DOD standard information systems that support DoD spectrum related activities and processes. Specifically, the Center designs, develops, and maintains DOD automated spectrum management systems, evaluation tools, and databases employed by the Unified Commands, Military Departments, and Defense Agencies. The JSC databases are the prime sources of information for DOD use of the EM spectrum. The JSC provides technical assistance to the Office of Assistant Secretary of Defense (OASD) C<sup>3</sup>I, the Joint Staff, DOD activities and the Unified Commands in support of spectrum policy decisions and ensuring the development, acquisition, and operational deployment of systems that are compatible with other spectrum dependent systems operating within the same electromagnetic environment. The Center is the DOD focal point for technical spectrum related support, Electromagnetic Environmental Effects (E<sup>3</sup>), and EM interference resolution assistance to operational units including deployable support to CINC Joint Task Forces. The JSC mission is integral to other vital activities such as Information Operations (IO), Command and Control (C2) Protect and other defensive IW activities as directed by the Joint Staff. This program element is under Budget Activity 07 because it supports operational systems development.

This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

Page 1 of 5

UNCLASSIFIED

## UNCLASSIFIED

<b>Exhibit R-2, RDT&amp;E Budget Item Justification</b>									<b>DATE:</b> June 2001	
<b>APPROPRIATION/BUDGET ACTIVITY</b> RDT&E, Defense-Wide/07					<b>R-1 ITEM NOMENCLATURE</b> Joint Spectrum Center (JSC)/PE 0303153K					
COST (in millions)	FY00	FY01	FY02						Cost to Complete	Total Cost
Joint Spectrum Center (JS1)	8.357	8.198	8.849						Contg	Contg

**FY 2000 Accomplishments:**

- o Provided Spectrum Technical/Analytical Support to OASD(C<sup>3</sup>I)/Joint Staff/Office of Spectrum Management(OSAM)/Services for the World Radio Conference (WRC) and related spectrum policy issues (1<sup>st</sup> Qtr - 4<sup>th</sup> Qtr \$1.300M)
- o Developed/maintained spectrum analytic tools, and databases to include worldwide deployment of the DoD standard spectrum management information system, SPECTRUM XXI (1<sup>st</sup> Qtr - 4<sup>th</sup> Qtr \$3.941M)
- o Managed the DoD E3 Program to include development of an analytic tool to support operational force evaluation of potentially hazardous electromagnetic environments to ordnance (1<sup>st</sup> Qtr - 4<sup>th</sup> Qtr \$3.116M)
- o Total \$8.357M

**FY 2001 Plans:**

- o Provide Spectrum Technical/Analytical Support to OASD(C3I)/Joint Staff/OSAM and Services to accomplish studies required as a result of WRC 2000 (1<sup>st</sup> Qtr - 4<sup>th</sup> Qtr \$1.432M)
- o Deploy Version 2.0 of Spectrum XXI and continue to improve analytic tools and databases (1<sup>st</sup> Qtr - 4<sup>th</sup> Qtr \$5.152M)
- o Manage DoD E3 Program including development of DoD standards, acquisition guidance and training in E3, and assessment of operational hazards of electromagnetic radiation to ordnance (1<sup>st</sup> Qtr - 4<sup>th</sup> Qtr \$1.614M)
- o Total \$8.198M

Page 2 of 5

UNCLASSIFIED

## UNCLASSIFIED

<b>Exhibit R-2, RDT&amp;E Budget Item Justification</b>									<b>DATE:</b> June 2001	
<b>APPROPRIATION/BUDGET ACTIVITY</b> RDT&E, Defense-Wide/07					<b>R-1 ITEM NOMENCLATURE</b> Joint Spectrum Center (JSC)/PE 0303153K					
COST (in millions)	FY00	FY01	FY02						Cost to Complete	Total Cost
Joint Spectrum Center (JS1)	8.357	8.198	8.849						Contg	Contg

  

FY 2002 Plans:

- o Provide Spectrum Technical/Analytical Support to OASD(C<sup>3</sup>I)/Joint Staff/OSAM/Services in preparation for WRC 2003. (1<sup>st</sup> Qtr - 4<sup>th</sup> Qtr; \$1.545M)
- o Continue Spectrum Management Information Systems development (1<sup>st</sup> Qtr - 4<sup>th</sup> Qtr; \$5.560M)
- o Manage DoD E3 Program with increased support to DOT&E in evaluation of Acquisition Category (ACAT) 1 system E3 tests. (1<sup>st</sup> Qtr - 4<sup>th</sup> Qtr; \$1.744M)
- o Total \$8.849M

  

B. Program Change Summary:

	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>
Previous President's Budget (FY 2001)	8.757	8.735	9.241
Appropriated Value	8.823	8.735	
Adjustments to Appropriated Value	-.466	-.537	
Adjustments to Budget Year Since FY 2001 President's Budget			-.392
Current Budget Submit/President's Budget (FY 2002)	8.357	8.198	8.849

  

Change Summary Explanation:

FY 2000 change is due to below threshold reprogramming.  
FY 2001 reduction is due to below threshold reprogramming and congressional rescission.  
FY 2002 adjustment is due to revised fiscal guidance.

Page 3 of 5

UNCLASSIFIED

UNCLASSIFIED

<b>Exhibit R-2, RDT&amp;E Budget Item Justification</b>									<b>DATE:</b> June 2001	
<b>APPROPRIATION/BUDGET ACTIVITY</b> RDT&E, Defense-Wide/07					<b>R-1 ITEM NOMENCLATURE</b> Joint Spectrum Center (JSC)/PE 0303153K					
COST (in millions)	FY00	FY01	FY02						Cost to Complete	Total Cost
Joint Spectrum Center (JS1)	8.357	8.198	8.849						Contg	Contg

C. Other Program Funding Summary:

	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>To Complete</u>
O&M,DW	13.035	13.216	13.484	Continuing

D. Acquisition Strategy: Engineering support services for the JSC are provided by contract. No in-house government capability exists, nor is it practical to develop one that can provide the expertise necessary to fulfill the mission and responsibilities of the JSC. The period of the previous cost plus award fee contract ended 30 September 2000. Full and open competition was used for the acquisition of a follow-on contract that became effective 24 August 2000 with a basic period of two years and three one year options.

E. Schedule Profile:

	<u>FY2000</u>	<u>FY2001</u>	<u>FY2002</u>
	1 2 3 4	1 2 3 4	1 2 3 4
Commerce Business Notice New Contract X			
Contract Award		X	
Contract Performance Begins		X	
Exercise Option Year 1			X

Page 4 of 5

UNCLASSIFIED

## UNCLASSIFIED

<b>Exhibit R-3 Cost Analysis</b>								<b>DATE:</b> June 2001		
<b>APPROPRIATION/BUDGET ACTIVITY</b> RDT&E, Defense-Wide/07		<b>PROGRAM ELEMENT</b> Joint Spectrum Center/PE 0303153K			<b>PROJECT NAME AND NUMBER</b> Joint Spectrum Center/JS1					
Cost Category	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Contractor Engineering/Technical Spt	C/CPAF	IIT Research Inst Annapolis, MD	13.408					0	13.408	13.408
GFE	C/CPAF	IIT Research Inst Annapolis, MD	.800					0	.800	.800
Engineering/Technical Support	MIPR	Various	1.286	.369	Various	.328	Various	0	1.983	1.983
Contractor Engineering/Technical Spt	C/CPFF	Various	1.619					0	1.619	1.619
Contractor Engineering/Technical Spt	C/CPAF	IIT Research Inst Annapolis, MD		7.359	10/00	8.051	10/01	18.201	33.611	33.611
GFE	C/CPAF	IIT Research Inst Annapolis, MD		.470	10/00	.470	10/01	.940	1.880	1.880
Subtotal Test & Evaluation			17.113	8.198		8.849				
Total			17.113	8.198		8.849				
<p>Remarks:</p> <p>Previous contract expired on 30 September 2000. Follow-on contract was competitive acquisition and began on 24 August 2000 (2 year basic with 3 option years).</p>										
Page 5 of 5										

UNCLASSIFIED