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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)									DATE June 2001		
BUDGET ACTIVITY 07 - Operational System Development					PE NUMBER AND TITLE 0208021F Information Warfare Support					PROJECT 0374	
COST (\$ in Thousands)		FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
0374	Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt	4,738	0	1,803	3,174	3,240	3,308	3,378	3,449	Continuing	TBD
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

FY03-FY07 budget numbers do not reflect the DoD strategic review results.

(U) **A. Mission Description**
 Joint Expeditionary Force Exercise (JEFX) 2000 emphasized Agile Combat Support, but exploration also occurred in managing intelligence, surveillance, and reconnaissance assets; global mobility; and dynamic battle control. JEFX 2000 and other Air Force funding was reprogrammed from existing command and control, global power, global reach, and space Program Elements. The Information Warfare Planning Capability (IWPC) was reprogrammed from other Information Warfare funding. The IWPC is a full-spectrum, offensive and defensive, planning capability. IWPC operators will develop IW courses of action for the Joint Air Component Commander (JFACC) and nominate IW 'targets' for inclusion into the Master Air Attack Plan and the Joint Integrated Prioritized List (JIPL).

(U) **FY 2000 (\$ in Thousands)**
 (U) \$3,622 JEFX
 (U) \$1,116 Information Operations Planning
 (U) \$4,738 Total

(U) **FY 2001 (\$ in Thousands)**
 (U) \$0 No Activity
 (U) \$0 Total

(U) **FY 2002 (\$ in Thousands)**
 (U) \$300 IWPC Software Testing
 (U) \$1,503 IWPC Software Development
 (U) \$1,803 Total

Project 0374

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BUDGET ACTIVITY
07 - Operational System Development

PE NUMBER AND TITLE
0208021F Information Warfare Support

PROJECT
0374

(U) B. Budget Activity Justification

This program is in Budget Activity 7, Operational System Development, because it studies, develops and demonstrates IO prototypes to provide warning, self protection, and support to personnel and equipment against combat systems employed by enemy forces. It identifies existing military and commercial research and development efforts which can satisfy unfulfilled operational requirements as identified by the Unified Commands, and quickly bridge the gap between technology developments and meld the technology into the warfighter's operational requirements. The Secretary of Defense identified the need for this capability in 1983, and with unanimous approval of the Services and the Unified Commands, JCS made this function a part of the Joint Information Operations Center (JIOC) mission. The Air Force, as executive agent, is responsible for the total funding of this effort.

(U) C. Program Change Summary (\$ in Thousands)

	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>Total Cost</u>
(U) Previous President's Budget (FY 2001 PBR)	1,368	0	0	
(U) Appropriated Value	1,376	0		
(U) Adjustments to Appropriated Value				
a. Congressional/General Reductions				
b. Small Business Innovative Research	-42			
c. Omnibus or Other Above Threshold Reprogram				
d. Below Threshold Reprogram	3,661			
e. Rescissions	-257			
(U) Adjustments to Budget Years Since FY 2001 PBR			1,803	
(U) Current Budget Submit/FY 2002 PBR	4,738	0	1,803	TBD

(U) Significant Program Changes:

(U) D. Other Program Funding Summary (\$ in Thousands)

	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Complete</u>							
(U) AF RDT&E		0	1,803	5,201	4,638	4,714	4,768	4,843	Continuing	Continuing
(U) Other APPN		0	0	1,015	1,053	1,092	1,133	1,175	Continuing	Continuing

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<p>(U) <u>E. Acquisition Strategy</u> All major contracts within this Program were awarded after full and open competition. The Information Warfare Planning Capability (IWPC) acquisition strategy follows:</p> <p>Electronic Systems Center (ESC), Hanscom AFB, MA will manage the acquisition and development for evolving suite of interoperable IW planning and decision support capabilities comprised of, as required, software, hardware, and communications products. ESC will identify and implement an open, scaleable system architecture that will accommodate growth in functionality; allow functional modules to interact, achieve early data sharing capability with TBMCS, with the goal of interoperability as security policy permits; and be compliant with evolving GCCS and DII COE standards. An IWPC spiral will be released once a year. Requirements for the next spiral will be developed by the IWPC Spiral Development Integrated Process Team (IWPC SD IPT), chaired by ACC. Spirals within the acquisition cycle allow deficiencies to be identified and considered for future spirals as well as the next experiment or applied to current capabilities. Integration efforts will capitalize on the synergy between evolving technologies and on-going system program modifications to maximize the return on investment.</p>																																																																																																								
<p>(U) <u>F. Schedule Profile</u></p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th colspan="4"><u>FY 2000</u></th> <th colspan="4"><u>FY 2001</u></th> <th colspan="4"><u>FY 2002</u></th> </tr> <tr> <th></th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> </tr> </thead> <tbody> <tr> <td>(U) JEFX</td> <td></td> <td></td> <td></td> <td>*</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) IWPC Contract Obligation</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>*</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) IWPC Software Development</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>*</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) IWPC Software Integration Testing</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>(U) IWPC Software Release</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table>															<u>FY 2000</u>				<u>FY 2001</u>				<u>FY 2002</u>					1	2	3	4	1	2	3	4	1	2	3	4	(U) JEFX				*									(U) IWPC Contract Obligation						*			X				(U) IWPC Software Development						*			X				(U) IWPC Software Integration Testing								X				X	(U) IWPC Software Release										X		
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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE June 2001			
BUDGET ACTIVITY 07 - Operational System Development					PE NUMBER AND TITLE 0208021F Information Warfare Support			PROJECT 0374		
(U) A. Project Cost Breakdown (\$ in Thousands)										
					<u>FY 2000</u>		<u>FY 2001</u>			<u>FY 2002</u>
(U)	Various JEFX initiatives; systems arch; integration, comms				3,622		0			0
(U)	IWPC VX.O Software Development						0			1,503
(U)	Instrumentation and Support				0					
(U)	Facilities				0					
(U)	Testing				0					300
(U)	Engineering Services				1,116					0
(U)	Program Infrastructure									
(U)	SME				0					
(U)	Total				4,738		0			1,803
(U) B. Budget Acquisition History and Planning Information (\$ in Thousands)										
(U) Performing Organizations:										
<u>Contractor or Government</u>	<u>Contract Method/Type</u>	<u>Award or Obligation</u>	<u>Performing Activity</u>	<u>Project Office</u>	<u>Total Prior to FY 2000</u>	<u>Budget FY 2000</u>	<u>Budget FY 2001</u>	<u>Budget FY 2002</u>	<u>Budget to Complete</u>	<u>Total Program</u>
<u>Performing Activity</u>	<u>or Funding Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>						
<u>Product Development Organizations</u>										
JEFX - Various	Various	Various	N/A	N/A		3,622	0	0	Continuing	TBD
Bell Aerospace & Techn	DDForm 448	Jan	2	91		800	0	0	0	800
GRCI	AF Form 9	Sep	2	91		118	0	0	0	118
Unknown	TBD	TBD	2	91		198	0	0	0	198
ARINC	DDForm 448	Oct	N/A	N/A		0	0	0	0	0
General Dynamics	AF Form 9	Nov	2	91		0	0	1,503	Continuing	TBD
MITRE	DDForm 448	Oct	N/A	N/A				300	Continuing	TBD
<u>Support and Management Organizations</u>										
DISA	DDForm 448	Jan	2	91					0	0
JIOC	DDForm 1610	Jan-Sep	2	91					0	0

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BUDGET ACTIVITY 07 - Operational System Development				PE NUMBER AND TITLE 0208021F Information Warfare Support			PROJECT 0374		
(U) Performing Organizations Continued:									
<u>Test and Evaluation Organizations</u>									
SWRI	AF Form 9	Feb	2	91				0	0
(U) Government Furnished Property:									
	<u>Contract</u>								
	<u>Method/Type</u>	<u>Award or</u>							
<u>Item</u>	<u>or Funding</u>	<u>Obligation</u>	<u>Delivery</u>		<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>
<u>Description</u>	<u>Vehicle</u>	<u>Date</u>	<u>Date</u>		<u>to FY 2000</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>Complete</u>
<u>Product Development Property</u>									
Product Development					0	0	0	0	0
<u>Support and Management Property</u>									
<u>Test and Evaluation Property</u>									
					<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>
<u>Subtotals</u>					<u>to FY 2000</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>Complete</u>
Subtotal Product Development					0	4,738	0	1,803	TBD
Subtotal Support and Management									0
Subtotal Test and Evaluation									0
Total Project					0	4,738	0	1,803	TBD