

<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2 EXHIBIT)</b>	DATE <b>February 1999</b>
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<b>BUDGET ACTIVITY</b> <b>7 - Operational System Development</b>	<b>PE NUMBER AND TITLE</b> <b>0208021F Information Warfare Support</b>	<b>PROJECT</b> <b>0374</b>
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COST (\$ In Thousands)	FY 1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
0374 Electronic Combat Support, C3 Protection/Multi-mission. Technology and Support	1,289	2,368	1,376	1,401	1,403	4,610	4,705	4,804	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

(U) **A. Mission Description** This program responds to CINC requests for urgently needed technical solutions to operational problems. This program studies, develops and demonstrates IW/C2W prototypes to provide warning, self protection, and support to personnel and equipment against combat systems employed by enemy forces. In response to CINC tasking, this program identifies existing military and commercial research and development efforts which can satisfy unfulfilled operational requirements as identified by the Unified Commands, and quickly bridges the gap between technology developments to meld the technology to meet 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 Command and Control Warfare Center (JC2WC) mission (formerly the Joint Electronic Warfare Center (JEWIC). The Air Force as executive agent is responsible for the total funding of this effort. This program also includes the development effort for a Command and Control Warfare Analysis Targeting Tool (CATT). CATT is a computer simulation which models the impact of C2W and IW against an adversary Integrated Air Defense System. The growing customer base for the CATT includes ACC, AFMC, AFOTEC, STRATCOM, and the JC2WC, with the AF IW Center being the prime developer of the model. CATT capabilities will continue to improve to meet increasing customers demand and requirements.

(U) FY 1998 (\$ in Thousands):

- (U) \$1,155 Mayberry ACTD
- (U) \$29 Souder Environmental Testing
- (U) \$105 Engineering Services
- (U) \$1,289 Total

(U) FY 1999 (\$ in Thousands):

- (U) \$1,172 Proud Lightning
- (U) \$199 Mayberry ACTD
- (U) \$997 C2W Analysis and Targeting Tool (CATT)
- (U) \$2,368 Total

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)		DATE February 1999
BUDGET ACTIVITY 7 - Operational System Development	PE NUMBER AND TITLE 0208021F Information Warfare Support	PROJECT 0374
<p>(U) <u>FY 2000 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> <li>- (U) \$1,376 The center has established a Joint Project Office (JPO) in response to recent tasking by the Joint Staff. The JPO will support the CINCs through CINC-directed rapid prototyping, briefings and demonstrations of state of the art technology currently under development. The Center will conduct field demonstrations of the operational utility of IW technology projects. This will require coordination with the Joint Staff, CINCs, service acquisition command, laboratories, and various intelligence agencies. This will include IW source and target systems analysis, operations, and demonstration, and design, development and operations effectiveness assessment systems.</li> <li>- (U) \$1,376 Total</li> </ul> <p>(U) <u>FY 2001 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> <li>- (U) \$1,401 The center has established a Joint Project Office (JPO) in response to recent tasking by the Joint Staff. The JPO will support the CINCs through CINC-directed rapid prototyping, briefings and demonstrations of state of the art technology currently under development. The Center will conduct field demonstrations of the operational utility of IW technologies projects. This will require coordination with the Joint Staff, CINCs, service acquisition command, laboratories, and various intelligence agencies. This will include IW source and target systems analysis, operations, and demonstration, and design, development and operations effectiveness assessment systems.</li> <li>- (U) \$1,401 Total</li> </ul> <p>(U) <b>B. Budget Activity Justification:</b> This program is in Budget Activity 7, Operational System Deveelopment, because it studies, develops and demonstrates IW/C2W prototydes 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 Command and Control Warfare Center (JC2WC) mission (formerly the Joint Electronic Warfare Center (JEWEC)). The Air Force as executive agent is responsible for the total funding of this effort.</p>		
Project 0374	Page 2 of 6 Pages	Exhibit R-2 (PE 0208021F)



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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)						DATE February 1999					
BUDGET ACTIVITY <b>7 - Operational System Development</b>				PE NUMBER AND TITLE <b>0208021F Information Warfare Support</b>			PROJECT <b>0374</b>				
<b>(U) A. <u>Project Cost Breakdown (\$ in Thousands)</u></b>											
				<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>				
(U) ACTD				658	0	0	1,401				
(U) Instrumentation and Support				371	0	0					
(U) Facilities				126	412	362					
(U) Testing				29	0	0					
(U) Engineering Services				105	1,811	880					
(U) SME				0	145	134					
(U) Total				1,289	2,368	1,376	1,401				
<b>(U) B. <u>Budget Acquisition History and Planning Information (\$ in Thousands)</u></b>											
<b>Performing Organizations:</b>											
<u>Contractor or Government Performing Activity</u>	<u>Contract Method/Type or Funding Vehicle</u>	<u>Award or Obligation Date</u>	<u>Performing Activity EAC</u>	<u>Project Office EAC</u>	<u>Total Prior to FY 1998</u>	<u>Budget FY 1998</u>	<u>Budget FY 1999</u>	<u>Budget FY 2000</u>	<u>Budget FY 2001</u>	<u>Budget to Complete</u>	<u>Total Program</u>
<u>Product Development Organizations</u>											
SPAWAR	DDForm 448	Aug	JC2WC	J91		216					
SWRI	AF Form 9	Apr Aug	JC2WC	J91		218					
EA	DDForm 448	MayJulAug	JC2WC	J91		210					
Miscellaneous	DDForm 448	Jan Jun	JC2WC	J91		19					
Unknown	TBD	TBD	JC2WC	J91					TBD	Ongoing	Ongoing
<u>Support and Management Organizations</u>											
SPAWAR	DDForm 448	Jun	JC2WC	J91		126					
CSC	DDForm 448	Jan Aug	JC2WC	J91		79					
SWRI	AF Form 9	Apr Aug	JC2WC	J91		72					
EWA	DDForm 448	Jul	JC2WC	J91		28					
Project 0374				Page 4 of 6 Pages			Exhibit R-3 (PE 0208021F)				

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE February 1999	
BUDGET ACTIVITY <b>7 - Operational System Development</b>					PE NUMBER AND TITLE <b>0208021F Information Warfare Support</b>					PROJECT <b>0374</b>	
Contractor or Government Performing Activity	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Performing Activity EAC	Project Office EAC	Total Prior to FY 1998	Budget FY 1998	Budget FY 1999	Budget FY 2000	Budget FY 2001	Budget to Complete	Total Program
Unknown	TBD	TBD	JC2WC	J91					TBD	Ongoing	Ongoing
<u>Test and Evaluation Organizations</u>											
Brooks AFB TX TES	DDForm 448 AF Form 9	Aug	JC2WC	J91		29		819	881		
Sandia Labs	DD Form448						413	357			
PRM:	DDForm448						140	138			
Unknown	TBD	TBD	JC2WC	J91					TBD	Ongoing	Ongoing
<b>(U) B. Budget Acquisition History and Planning Information Continued (\$ in Thousands)</b>											
<b>Government Furnished Property:</b>											
Item Description	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Delivery Date		Total Prior to FY 1998	Budget FY 1998	Budget FY 1999	Budget FY 2000	Budget FY 2001	Budget to Complete	Total Program
<u>Product Development Property</u>											
<u>Support and Management Property</u>											
CSC	DDForm 448	Aug				61					61
Unknown	TBD	TBD	JC2WC	J91					TBD	Ongoing	
<u>Test and Evaluation Property</u>											
Instrument Van	AF Form 9	Apr				190					190
Scope Lease	AF Form 9	Aug				33					33
Fiber Opt Cables	FCA	Aug				8					8
Unknown	TBD	TBD	JC2WC	J91					TBD	Ongoing	

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<b>RDT&amp;E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)</b>					DATE <b>February 1999</b>	
BUDGET ACTIVITY <b>7 - Operational System Development</b>		PE NUMBER AND TITLE <b>0208021F Information Warfare Support</b>			PROJECT <b>0374</b>	
Subtotal Product Development	663	996		TBD	Ongoing	Ongoing
Subtotal Support and Management	366			TBD	Ongoing	Ongoing
Subtotal Test and Evaluation	260	1,372		TBD	Ongoing	Ongoing
Total Project	1,289	2,368	1,376	1,401	Ongoing	Ongoing