RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)	DATE February 2003

BUDGET ACTIVITY 07 - Operational System Development	PE NUMBER AND TITLE 0208006F Mission Planning Systems	PROJECT 3858

Subtotals	Total Prior to FY 2002	Budget FY 2002	Budget FY 2003	Budget FY 2004	Budget to Complete	Total Program
Subtotal Product Development	140,451	10,952	10,230	50,794	TBD	TBD
Subtotal Support and Management	37,682	5,333	5,270	9,954	TBD	TBD
Subtotal Test and Evaluation	2,430	1,015	1,040	1,600	TBD	TBD
Total Project	180,563	17,300	16,540	62,348	TBD	TBD

		RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)	DATE **February 2003**

BUDGET ACTIVITY **07 - Operational System Development**	PE NUMBER AND TITLE **0208021F Information Warfare Support**	PROJECT **0374**

COST ($ in Thousands)		FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
0374	Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt	1,667	7,625	12,091	12,249	12,241	11,854	11,951	12,056	Continuing	TBD
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

(U)   A. Mission Description

Joint Expeditionary Force Exercise (JEFX) emphasizes Agile Combat Support, but exploration also occurrs in managing intelligence, surveillance, and reconnaissance assets; global mobility; and dynamic battle control. JEFX 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 Forces Air Component Commander (JFACC) and nominate IW 'targets' for inclusion into the Master Air Attack Plan and the Joint Integrated Prioritized List (JIPL).

IO Technology Database (a.k.a. 'IO Technology Repository' and 'IO Technology Alliance') was directed to be transferred from PE 33140 to PE 28021 starting in FY 04 - FY 09 as part of the 12 Dec 02 Program Decision Memorandum (PDM).   Refer to the RDOCs submission in PE 33140 for details of this program.

(U)	**FY 2002 ($ in Thousands)**	
(U)	$0	Accomplishments/Planned Programs
(U)	$0	IWPC Software Testing
(U)	$1,667	IWPC Software Development
(U)	$1,667	Total
(U)	**FY 2003 ($ in Thousands)**	
(U)	$0	Accomplishments/Planned Programs
(U)	$4,054	IWPC Software Development
(U)	$630	IWPC Software Testing
(U)	$2,941	JEFX System integration
(U)	$7,625	Total

Project 0374	Page 1 of 5 Pages	Exhibit R-2 (PE 0208021F)

<table>
<tr><td colspan="2">RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)</td><td>DATE
February 2003</td></tr>
<tr><td>BUDGET ACTIVITY
07 - Operational System Development</td><td>PE NUMBER AND TITLE
0208021F Information Warfare Support</td><td>PROJECT
0374</td></tr>
</table>

(U)   **A. Mission Description Continued**

(U)   FY 2004 ($ in Thousands)
(U) $0   Accomplishments/Planned Programs
(U) $3,378   IWPC Software Development
(U) $720   IWPC Software Testing
(U) $2,993   JEFX System Integration
(U) $5,000   IO Technology Database
(U) $12,091   Total

(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.

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

		FY 2002	FY 2003	FY 2004	Total Cost
(U)	Previous President's Budget	1,676	8,337	7,813	
(U)	Appropriated Value	1,667	7,837		
(U)	Adjustments to Appropriated Value				
	a. Congressional/General Reductions				
	b. Small Business Innovative Research				
	c. Omnibus or Other Above Threshold Reprogram		-77		
	d. Below Threshold Reprogram				
	e. Rescissions		-135		
(U)	Adjustments to Budget Years Since FY 2003 PBR			4,278	
(U)	Current Budget Submit/FY 2004 PBR	1,667	7,625	12,091	TBD

(U)   Significant Program Changes:

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)	DATE February 2003

BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
07 - Operational System Development	0208021F Information Warfare Support	0374

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

	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
(U) AF RDT&E	0	0	0	0	0	0	0	0	Continuing	Continuing
(U) Other APPN										
(U) Operations & Maintenance, AF (3400)	0	1,036	1,045	1,061	1,210	1,154	1,176	1,198	Continuing	

(U) **E. Acquisition Strategy**

All major contracts within this Program were awarded after full and open competition.

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, scalable system architecture that will accommodate growth in functionality; allow functional modules to interact, achieve early data sharing capability with TBMCS, with the goal or 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.

(U) **F. Schedule Profile**

		FY 2002				FY 2003				FY 2004		
	1	2	3	4	1	2	3	4	1	2	3	4
(U) JEFX					*							X
(U) IWPC Contract Award	*					*						
(U) IWPC Software Development	*					*						
(U) IWPC Software Integration Testing	*					X				X		
(U) IWPC Software Release			*			X	X					

Project 0374   Page 3 of 5 Pages   Exhibit R-2 (PE 0208021F)

1449

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)	DATE February 2003

BUDGET ACTIVITY 07 - Operational System Development	PE NUMBER AND TITLE 0208021F Information Warfare Support	PROJECT 0374

(U)   A. Project Cost Breakdown ($ in Thousands)

	FY 2002	FY 2003	FY 2004
(U) Various JEFX initiatives; systems arch; integration, comms		2,941	2,993
(U) IWPC VX.O Software Development	1,667	4,054	3,378
(U) Instrumentation and Support			
(U) Facilities			
(U) Testing		630	720
(U) Engineering Services			
(U) Program Infrastructure			
(U) SME			
(U) IO Technology Database			5,000
(U) Total	1,667	7,625	12,091

(U)   B. Budget Acquisition History and Planning Information ($ in Thousands)

(U)   Performing Organizations:

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 2002	Budget FY 2002	Budget FY 2003	Budget FY 2004	Budget to Complete	Total Program
Product Development Organizations										
JEFX - Various	Various	Various	N/A	N/A	0	2,941	2,993		Continuing	TBD
ARINC	DDForm 448	Oct	N/A	N/A	0				0	0
General Dynamics	AF Form 9	Nov	2	91	1,667	4,054	3,378		Continuing	TBD
MITRE	DDForm 448	Oct	N/A	N/A	0	0			Continuing	TBD
*IO Tech Database - Refer to 33140 RDOCs								5,000	Continuing	TBD
Support and Management Organizations										
Test and Evaluation Organizations										
605th Test Squadron						220	220		Continuing	TBD
46th Test Squadron						410	500		Continuing	TBD

Project 0374	Page 4 of 5 Pages	Exhibit R-3 (PE 0208021F)

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)	DATE February 2003

BUDGET ACTIVITY 07 - Operational System Development	PE NUMBER AND TITLE 0208021F Information Warfare Support	PROJECT 0374

(U) **Government Furnished Property:**

Item Description	Contract Method/Type or Funding Vehicle	Award or Obligation Date	Delivery Date	Total Prior to FY 2002	Budget FY 2002	Budget FY 2003	Budget FY 2004	Budget to Complete	Total Program
Product Development Property									
Support and Management Property									
Test and Evaluation Property									
Subtotals				Total Prior to FY 2002	Budget FY 2002	Budget FY 2003	Budget FY 2004	Budget to Complete	Total Program
Subtotal Product Development					1,667	6,995	11,371	TBD	TBD
Subtotal Support and Management									
Subtotal Test and Evaluation						630	720	TBD	TBD
Total Project					1,667	7,625	12,091	TBD	TBD