PE NUMBER: 0208021F
PE TITLE: Information Warfare Support

Exhibit R-2, RDT&E Budget Item Justification								DATE February 2004	

BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0208021F Information Warfare Support				
Cost ($ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	8.998	11.988	7.230	7.221	6.838	7.947	8.068	Continuing	TBD
0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt	8.998	11.988	7.230	7.221	6.838	7.947	8.068	Continuing	TBD

(U) **A. Mission Description and Budget Item Justification**

Joint Expeditionary Force Exercise (JEFX) emphasizes efforts based operations and predictive battlespace awareness, but exploration also occurs 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) is a full-spectrum, offensive and defensive, planning capability. IWPC is an Aerospace Operations Center (AOC) weapon system component which will enable operators will develop IO courses of action for the Joint Forces Air Component Commander (JFACC) and nominate IO "targets" for inclusion into the Master Air Attack and the Joint Integrated Prioritized Target List (JIPTL).

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 Command, and quickly bridge the gap between technology developments and meld the technology into the warfighter's operational requirements.

(U) **B. Program Change Summary ($ in Millions)**

	FY 2003	FY 2004	FY 2005
(U) Previous President's Budget	7.625	12.091	7.230
(U) Current PBR/President's Budget	8.998	11.988	7.230
(U) Total Adjustments	1.373	-0.103	
(U) Congressional Program Reductions			
Congressional Rescissions		-0.103	
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer	1.373		
(U) Significant Program Changes:			

Exhibit R-2a, RDT&E Project Justification						DATE February 2004		

| BUDGET ACTIVITY 07 Operational System Development | | | | PE NUMBER AND TITLE 0208021F Information Warfare Support | | | PROJECT NUMBER AND TITLE 0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt | |

Cost ($ in Millions)		FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
0374	Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt	8.998	11.988	7.230	7.221	6.838	7.947	8.068	Continuing	TBD
	Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**

Joint Expeditionary Force Exercise (JEFX) emphasizes efforts based operations and predictive battlespace awareness, but exploration also occurs 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) is a full-spectrum, offensive and defensive, planning capability. IWPC is an Aerospace Operations Center (AOC) weapon system component which will enable operators will develop IO courses of action for the Joint Forces Air Component Commander (JFACC) and nominate IO "targets" for inclusion into the Master Air Attack and the Joint Integrated Prioritized Target List (JIPTL).

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 Command, and quickly bridge the gap between technology developments and meld the technology into the warfighter's operational requirements.

(U) **B. Accomplishments/Planned Program ($ in Millions)**	FY 2003	FY 2004	FY 2005
(U) IWPC Software Development and Integration	4.784	3.378	3.416
(U) AOC Integration	0.000	0.000	1.464
(U) IWPC Software Testing and Evaluation	0.743	0.720	0.680
(U) JEFX System integration	3.471	2.993	1.670
(U) IOTA Testing and Development	0.000	4.897	0.000
(U) Total Cost	8.998	11.988	7.230

Exhibit R-2a, RDT&E Project Justification	DATE February 2004

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0208021F Information Warfare Support	PROJECT NUMBER AND TITLE 0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt

(U) C. Other Program Funding Summary ($ in Millions)

	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
(U) IWPC Operations & Maintenance, AF (3400)	1.036	1.045	1.061	1.210	1.154	1.176	1.198	Continuing	TBD

(U) D. 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.

Exhibit R-3, RDT&E Project Cost Analysis		DATE February 2004

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0208021F Information Warfare Support	PROJECT NUMBER AND TITLE 0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt

(U) Cost Categories (Tailor to WBS, or System/Item Requirements) ($ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2003 Cost	FY 2003 Cost	FY 2003 Award Date	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) Product Development												
JEFX - Various	Various	Lackland AFB TX/Moutain View CA	0.000	2.941		2.993		1.990		Continuing	TBD	
ITSP II	AF Form 9	Lackland AFB TX	0.000	0.000		0.000		0.740		0.000	0.740	
General Dynamics	AF Form 9	Lackland AFB TX/Moutain View CA	1.667	5.193		3.378		3.370		Continuing	TBD	
MITRE	DDForm 448	Lackland AFB TX	0.000	0.000		0.000		0.380		Continuing	TBD	
IOTA	Various	Lackland AFB TX	0.000	0.000		4.897		0.000		Continuing	TBD	
Subtotal Product Development			1.667	8.134		11.268		6.480		Continuing	TBD	0.000
Remarks:												
(U) Test & Evaluation												
605th Test Squadron	MIPR	Eglin AFB FL	0.000	0.310		0.220		0.220		Continuing	TBD	
46th Test Squadron	MIPR	Eglin AFB FL	0.000	0.554		0.500		0.530		Continuing	TBD	
Subtotal Test & Evaluation			0.000	0.864		0.720		0.750		Continuing	TBD	0.000
Remarks:												
(U) Total Cost			1.667	8.998		11.988		7.230		Continuing	TBD	0.000

Exhibit R-4, RDT&E Schedule Profile		DATE February 2004
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0208021F Information Warfare Support	PROJECT NUMBER AND TITLE 0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt

UNCLASSIFIED // FOR OFFICIAL USE ONLY

IWPC Schedule

Project 0374	R-1 Shopping List - Item No. 158-5 of 158-6	Exhibit R-4 (PE 0208021F)

Exhibit R-4a, RDT&E Schedule Detail	DATE February 2004

BUDGET ACTIVITY **07 Operational System Development**	PE NUMBER AND TITLE **0208021F Information Warfare Support**	PROJECT NUMBER AND TITLE **0374 Electronic Combat Spt, C3 Protection/Multi-Mission, Technology and Spt**

(U) **Schedule Profile**	FY 2003	FY 2004	FY 2005
(U) JEFX		1-4Q	1-4Q
(U) IWPC Contract Award	1Q	1Q	1Q
(U) IWPC Software Development	1-4Q	1-4Q	1-4Q
(U) IWPC Software Integration Testing	4Q	4Q	4Q
(U) IWPC Software Release	4Q	4Q	4Q

Project 0374   R-1 Shopping List - Item No. 158-6 of 158-6   Exhibit R-4a (PE 0208021F)