

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)	DATE February 1999
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BUDGET ACTIVITY 5 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604227F Distributed Mission Training (DMT)
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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
Total Program Element (PE) Cost	5,575	1,896	3,835	3,816	3,793	3,771	3,850	3,930	Continuing	Continuing
2325 Simulator Development Activities	3,238	0	0	0	0	0	0	0	0	45,886
2769 Simulator Update Development	2,337	0	0	0	0	0	0	0	0	47,988
4673 Distributed Mission Training (DMT)	0	1,896	3,835	3,816	3,793	3,771	3,850	3,930	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

(U) **A. Mission Description:** This is a continuing program element for development of aircrew and maintenance training devices and techniques. Objectives are to adapt simulation technologies and standards developed by the AF laboratories and industry into prototype training devices in order to satisfy MAJCOM training requirements.

(U) Beginning in FY99, Distributed Mission Training (DMT) became this PE's only effort. DMT is an Air Force simulator modernization program that will network geographically separated, high fidelity aircraft simulators with other battlefield systems (AWACS, JSTARS, C3I, etc.) into a real-time synthetic battlefield. The envisioned end-state is a virtual network of training systems which will allow high-end training not possible in today's simulators and very difficult to accomplish even in the aircraft because of peacetime safety of flight limitations, today's high operations tempos, limited range availability, etc. DMT's focus is to provide AF warfighters a combat mission rehearsal training capability at their home stations. It is envisioned that these geographically separated, dissimilar aircraft simulators will be linked real time and thus be able to practice the complex maneuvers and the critical timing aspects for operations, such as, the first airstrike packages in future conflicts.

(U) **B. Budget Activity Justification:** This program element is included in Budget Activity 5 - Engineering and Manufacturing Development (EMD) because it is devoted to the EMD of aircrew and maintenance training systems.

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

	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>
(U) Previous President's Budget (FY1999 PB)	4,061	1,961	3,904	3,889	Continuing
(U) Appropriated Value	4,305				
(U) Adjustments to Appropriated Value					
a. Congressional/General Reductions	-209	-65			
b. SBIR	-32				
c. Omnibus Offset	-49				
d. Below Threshold Reprogramming	+1,560				
(U) Adjustments to Budget Years Since FY 1999 PB			-69	-73	
(U) Current Budget Submit/2000 PB	5,575	1,896	3,835	3,816	Continuing

(U) Significant Program Changes: Two of the programs in this PE were cancelled in FY98 (Simulator Development Activities and Simulator Update Development). The \$1.56M was reprogrammed into this PE in FY98 to fund program shortfalls.

FY99: \$13K identified as a source for SBIR

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)								DATE February 1999		
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604227F Distributed Mission Training (DMT)				PROJECT 2325		
<i>COST (\$ In Thousands)</i>	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
2325 Simulator Development Activities	3,238	0	0	0	0	0	0	0	0	45,886
<p>(U) A. <u>Mission Description:</u> This program was terminated in FY98. Previously, it supported engineering development of new aircraft and maintenance training technologies and standards. It also funded the development of training devices to satisfy the customer's training requirements. The majority of the funding shown here is for ongoing projects in support of aircraft simulator development. In FY99, funding for simulator development has moved into BPAC 4673.</p> <p>(U) <u>FY 1998 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) 100 Integrated Threat Environment Database Development - (U) 50 AF Reserve Command (AFRC) Simulator Evaluation Study - (U) 100 A-10 Simulator Networking Studies and Analyses - (U) 98 Geometric Force Model Development - (U) 100 Fighter Visual Cue Analysis - (U) 99 Joint Fighter Systems Operation - (U) 2,150 Operations & Integration (O&I) Phase I Contract - (U) 30 SEI Support - (U) 230 HLA Performance Evaluation - (U) 280 Mission Support - (U) 1 Omnibus Offset - (U) \$3,238 Total <p>(U) <u>FY 1999 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$0 Total <p>(U) <u>FY 2000 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$0 Total <p>(U) <u>FY 2001 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$0 Total 										
Project 2325			Page 3 of 14 Pages				Exhibit R-2A (PE 0604227F)			

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)	DATE February 1999
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BUDGET ACTIVITY 5 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604227F Distributed Mission Training (DMT)	PROJECT 2325
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(U) **B. Project Change Summary - Description of Significant Changes:** This project was cancelled in FY98.

(U) **C. Other Program Funding Summary (\$ in Thousands):** Not Applicable

(U) **D. Acquisition Strategy:** Maximize the use of free and open competitive awards. Mission support efforts use a variety of contract vehicles. Specific programs use contract types appropriate to the work to be performed.

(U) **E. Schedule Profile**

	<u>FY 1998</u>				<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
(U) Prototype Training System SMART 2000 and Visual Systems				*												
(U) Technology Roadmap				*												
(U) G-Suit/G-Seat Sensory Simulation				*												
(U) Visual and Radar Database Standards				*												

X Denotes milestone start
* Denotes milestone completion

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)						DATE February 1999					
BUDGET ACTIVITY					PE NUMBER AND TITLE					PROJECT	
5 - Engineering and Manufacturing Development					0604227F Distributed Mission Training (DMT)					2325	
(U) A. <u>Project Cost Breakdown (\$ in Thousands)</u>											
					<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>			
(U)	Integrated Threat Environment Database Development				100	0	0	0			
(U)	AFRC Evaluation Study				50	0	0	0			
(U)	A-10 Networking Studies and Analyses				100	0	0	0			
(U)	Geometric Force Model Development				98	0	0	0			
(U)	Analysis of Improved Fighter Visual Cues				100	0	0	0			
(U)	Joint Fighter Systems Operation				99	0	0	0			
(U)	Operations & Integration (O&I) Network; Phase I				2,150	0	0	0			
	Contract										
(U)	Technical Support				30	0	0	0			
(U)	HLA Performance Evaluation				230	0	0	0			
(U)	Mission Support				280	0	0	0			
(U)	Omnibus Offset				1	0	0	0			
(U)	Total				3,238	0	0	0			
(U) B. <u>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 1998	Budget FY 1998	Budget FY 1999	Budget FY 2000	Budget FY 2001	Budget to Complete	Total Program
<u>Product Development Organizations</u>											
Numerous	Various	Various	N/A	N/A	42,402	2,957	0			0	45,359
Project 2325			Page 5 of 14 Pages				Exhibit R-3 (PE 0604227F)				

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE February 1999	
BUDGET ACTIVITY					PE NUMBER AND TITLE					PROJECT	
5 - Engineering and Manufacturing Development					0604227F Distributed Mission Training (DMT)					2325	
<u>Support and Management Organizations</u>											
Training Systems	Various	Various	0	0	246	280	0	0	0	0	526
Program Office, ASC, WPAFB											
<u>Test and Evaluation Organizations:</u> Not Applicable											
Government Furnished Property: None											
<u>Item Description</u>	<u>Contract Method/Type or Funding Vehicle</u>	<u>Award or Obligation Date</u>	<u>Delivery Date</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>	
Subtotal Product Development				42,402	2,957	0	0	0	0	45,359	
Subtotal Support and Management				246	280	0	0	0	0	526	
Subtotal Test and Evaluation				0	0	0	0	0	0	0	
Omnibus Offset				0	1	0	0	0	0	1	
Total Project				42,648	3,238	0	0	0	0	45,886	

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)								DATE February 1999		
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604227F Distributed Mission Training (DMT)				PROJECT 2769		
<i>COST (\$ In Thousands)</i>	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
2769 Simulator Update Development	2,337	0	0	0	0	0	0	0	0	47,988
<p>(U) A. <u>Mission Description</u> This program was cancelled in FY98. Previously it had provided critical Training System Product Group (TSPG) support for user commands' products including F-16 Weapons System Trainer, B-1B conventional upgrade, Simulator for Electronic Combat Training (SECT), C-17 training suite, Universal Training Device, and C-141 Aircrew Training System. These support systems include a computer center, communications, Advisory and Assistance Services (A&AS) contracting, travel, supplies, specialized training, and equipment. Beginning in FY99, this support will be paid for from the various weapons systems program offices (SPOs).</p> <p>(U) <u>FY 1998 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) 475 Travel - (U) 282 Mission Support - (U) 32 Communications - (U) 61 Training - (U) 591 A&AS - (U) 495 Management - (U) 132 Supplies - (U) 204 Equipment - (U) 17 Miscellaneous - (U) 48 Omnibus Offset - (U) \$2,337 Total <p>(U) <u>FY 1999 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$0 Total <p>(U) <u>FY 2000 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$0 Total <p>(U) <u>FY 2001 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$0 Total 										
Project 2769			Page 7 of 14 Pages				Exhibit R-2A (PE 0604227F)			

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)		DATE
BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
5 - Engineering and Manufacturing Development	0604227F Distributed Mission Training (DMT)	2769
<p>(U) B. <u>Project Change Summary - Description of Significant Changes:</u> Program was cancelled in FY98.</p> <p>(U) C. <u>Other Program Funding Summary (\$ in Thousands):</u> Not Applicable</p> <p>(U) D. <u>Acquisition Strategy:</u> Not Applicable</p> <p>(U) E. <u>Schedule Profile:</u> Not Applicable. Level of effort task.</p>		
Project 2769	Page 8 of 14 Pages	Exhibit R-2A (PE 0604227F)

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)						DATE February 1999					
BUDGET ACTIVITY					PE NUMBER AND TITLE					PROJECT	
5 - Engineering and Manufacturing Development					0604227F Distributed Mission Training (DMT)					2769	
 (U) A. <u>Project Cost Breakdown (\$ in Thousands)</u>											
					<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>			
(U) Travel					475	0	0	0			
(U) Mission Support					282	0	0	0			
(U) Communications					32	0	0	0			
(U) Training					61	0	0	0			
(U) A&AS					591	0	0	0			
(U) Management					495	0	0	0			
(U) Supplies					132	0	0	0			
(U) Equipment					204	0	0	0			
(U) Miscellaneous					17	0	0	0			
(U) Omnibus Offset					48	0	0	0			
(U) Total					2,337	0	0	0			
 (U) B. <u>Budget Acquisition History and Planning Information (\$ in Thousands)</u>											
Performing Organizations:											
Contractor or Government	Contract Method/Type	Award or Obligation	Performing Activity	Project Office	Total Prior to FY 1998	Budget FY 1998	Budget FY 1999	Budget FY 2000	Budget FY 2001	Budget to Complete	Total Program
<u>Activity</u>	<u>Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>	<u>FY 1998</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Complete</u>	<u>Program</u>
<u>Product Development Organizations:</u> Not Applicable											
<u>Support and Management Organizations</u>											
Training System	Various	Various	N/A	N/A	45,651	2,337	0	0	0	0	47,988
Program Office (SPO) ASC, WPAFB OH											
Project 2769											

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE February 1999	
BUDGET ACTIVITY					PE NUMBER AND TITLE					PROJECT	
5 - Engineering and Manufacturing Development					0604227F Distributed Mission Training (DMT)					2769	
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
<u>Test and Evaluation Organizations:</u> Not Applicable											
Government Furnished Property: None											
Omnibus Reduction					0	48	0	0	0	0	48
Subtotal Product Development					0	0	0	0	0	0	0
Subtotal Support and Management					45,651	2,289	0	0	0	0	47,940
Subtotal Test and Evaluation					0	0	0	0	0	0	0
					45,651	2,337	0	0	0	0	47,988

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)	DATE February 1999
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BUDGET ACTIVITY 5 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604227F Distributed Mission Training (DMT)	PROJECT 4673
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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
4673 Distributed Mission Training (DMT)	0	1,896	3,835	3,816	3,793	3,771	3,850	3,930	Continuing	Continuing

(U) **A. Mission Description** Distributed Mission Training (DMT) will revolutionize aerospace team training by implementing a "train the way we fight" philosophy -- as a team. The DMT program will share a synthetic environment of geographically separated aircraft simulators, linked real time to C3I assets and other battlefield systems and trainers into a synthetic battlefield environment. This will allow the Air Force to conduct mission rehearsal and most combat mission training, which today can only be done to a limited extent because of constraints on flying hours, platform and airspace availability, as well as environmental constraints. DMT will be funded principally with Operations and Maintenance funds. Engineering development efforts will focus on development, demonstration, and transitioning of enhancements of critical functions associated with the DMT network and linked simulators. Areas of emphasis include development and demonstration of network architectures, common databases and database interfaces, improved simulator fidelity, and integration with constructive simulations for C3I. The ultimate objective of the program is for DMT to be able to conduct full joint and combined forces mission rehearsals.

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

- (U) \$0 Total

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

- (U) \$ 1,461 Develop and implement the DMT network including standards development, multilevel security and latency management approaches.
- (U) \$ 213 Develop and demonstrate a common environmental, terrain, and threat databases.
- (U) \$ 209 Develop and demonstrate visual database interface technologies to improve image-generation fidelity.
- (U) \$ 13 Identified as a source for SBIR
- (U) \$ 1896 Total

(U) FY 2000 (\$ in Thousands):

- (U) \$ 1,590 Continued development and demonstration of common network standards, multilevel security and latency management approaches.
- (U) \$ 1,838 Continued development and demonstration of common environmental, terrain, and threat databases.
- (U) \$ 407 Continued development and demonstration of visual database interface technologies to improve image-generation fidelity.
- (U) \$ 3,835 Total

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<p>(U) <u>FY 2001 (\$ in Thousands):</u></p> <ul style="list-style-type: none"> - (U) \$ 1,092 Complete development and demonstration of common network standards - (U) \$ 2,270 Continued development and demonstration of common environmental, terrain and threat databases - (U) \$ 454 Continued development and demonstration of visual database interface technologies to improve image-generation fidelity - (U) \$ 3,816 Total <p>(U) B. <u>Project Change Summary - Description of Significant Changes:</u> Not Applicable</p> <p>(U) C. <u>Other Program Funding Summary (\$ in Thousands):</u> The O&M funding shown below resides in the respective weapons system PEs to pay for the DMT program.</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;"></th> <th style="width: 5%;"></th> <th style="width: 5%;"><u>FY 1998</u></th> <th style="width: 5%;"><u>FY 1999</u></th> <th style="width: 5%;"><u>FY 2000</u></th> <th style="width: 5%;"><u>FY 2001</u></th> <th style="width: 5%;"><u>FY 2002</u></th> <th style="width: 5%;"><u>FY 2003</u></th> <th style="width: 5%;"><u>FY 2004</u></th> <th style="width: 5%;"><u>FY 2005</u></th> <th style="width: 5%;"><u>To</u></th> <th style="width: 5%;"><u>Total</u></th> </tr> <tr> <td></td> <td style="text-align: center;"><u>Compl</u></td> <td style="text-align: center;"><u>Cost</u></td> </tr> </thead> <tbody> <tr> <td>(U) PE 0207130F, F-15 Squadrons</td> <td></td> <td align="right">0</td> <td align="right">23,162</td> <td align="right">34,687</td> <td align="right">28,308</td> <td align="right">29,752</td> <td align="right">40,097</td> <td align="right">41,044</td> <td align="right">41,902</td> <td align="center">cont</td> <td align="center">cont</td> </tr> <tr> <td>Appropriation: O&M, AF</td> <td></td> </tr> <tr> <td>(U) PE 0207417F, AWACS Squadron</td> <td></td> <td align="right">200</td> <td align="right">575</td> <td align="right">3,519</td> <td align="right">3,605</td> <td align="right">3,609</td> <td align="right">3,707</td> <td align="right">3,788</td> <td align="right">3,872</td> <td align="center">cont</td> <td align="center">cont</td> </tr> <tr> <td>Appropriation: O&M, AF</td> <td></td> </tr> <tr> <td>(U) PE 0207133F, O&M, F-16 Squadron</td> <td></td> <td align="right">0</td> <td align="right">104</td> <td align="right">10,205</td> <td align="right">17,507</td> <td align="right">14,008</td> <td align="right">12,712</td> <td align="right">4,714</td> <td align="right">3,017</td> <td align="center">cont</td> <td align="center">cont</td> </tr> </tbody> </table> <p>(U) D. <u>Acquisition Strategy:</u> The lead program in the DMT program is the F-15C Commercial Training Simulation Service (CTSS). The F-15C CTSS acquisition strategy differs significantly from previous AF simulator procurements. It shifts from govt-procured simulators to a contractor-provided service. The contractor owns and provides the simulator equipment, maintains simulator concurrency with the weapons system, and has incentives to keep his equipment abreast with the latest simulator and network technologies.</p> <p>(U) E. <u>Schedule Profile</u></p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;"></th> <th style="width: 5%;"></th> <th colspan="3" style="width: 15%;"><u>FY 1998</u></th> <th style="width: 5%;"></th> <th colspan="3" style="width: 15%;"><u>FY 1999</u></th> <th style="width: 5%;"></th> <th colspan="3" style="width: 15%;"><u>FY 2000</u></th> <th style="width: 5%;"></th> <th colspan="3" style="width: 15%;"><u>FY 2001</u></th> </tr> <tr> <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></td> <td></td> <td></td><td></td><td></td> </tr> </thead> <tbody> <tr> <td>(U) F-15 Four Ship Operations begin at Eglin AFB</td> <td align="center">1</td> <td></td><td></td><td></td> <td></td> <td></td><td align="center">X</td><td></td> <td></td> <td></td><td></td><td></td> <td></td> <td></td><td></td><td></td> </tr> <tr> <td>(U) F-15 Four Ship Operations begin at Langley AFB</td> <td></td> <td></td><td></td><td></td> <td></td> <td></td><td></td><td align="center">X</td> <td></td> <td></td><td></td><td></td> <td></td> <td></td><td></td><td></td> </tr> <tr> <td>(U) DMT Integration & Operations begin</td> <td></td> <td></td><td></td><td></td> <td></td> <td align="center">X</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) AWACS ops begin :Tinker AFB, OK</td> <td></td> <td></td><td></td><td></td> <td></td> <td></td><td></td><td></td> <td align="center">X</td> <td></td><td></td><td></td> <td></td> <td></td><td></td><td></td> </tr> <tr> <td>(U) Training Device Models and Software</td> <td align="center">*</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> <td></td><td></td><td></td> </tr> </tbody> </table> <p>* = completed event X = planned event</p>														<u>FY 1998</u>	<u>FY 1999</u>	<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>To</u>	<u>Total</u>											<u>Compl</u>	<u>Cost</u>	(U) PE 0207130F, F-15 Squadrons		0	23,162	34,687	28,308	29,752	40,097	41,044	41,902	cont	cont	Appropriation: O&M, AF												(U) PE 0207417F, AWACS Squadron		200	575	3,519	3,605	3,609	3,707	3,788	3,872	cont	cont	Appropriation: O&M, AF												(U) PE 0207133F, O&M, F-16 Squadron		0	104	10,205	17,507	14,008	12,712	4,714	3,017	cont	cont			<u>FY 1998</u>				<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>																				(U) F-15 Four Ship Operations begin at Eglin AFB	1						X										(U) F-15 Four Ship Operations begin at Langley AFB								X									(U) DMT Integration & Operations begin						X											(U) AWACS ops begin :Tinker AFB, OK									X								(U) Training Device Models and Software	*															
		<u>FY 1998</u>	<u>FY 1999</u>	<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>To</u>	<u>Total</u>																																																																																																																																																																																																											
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Appropriation: O&M, AF																																																																																																																																																																																																																						
(U) PE 0207133F, O&M, F-16 Squadron		0	104	10,205	17,507	14,008	12,712	4,714	3,017	cont	cont																																																																																																																																																																																																											
		<u>FY 1998</u>				<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>																																																																																																																																																																																																								
(U) F-15 Four Ship Operations begin at Eglin AFB	1						X																																																																																																																																																																																																															
(U) F-15 Four Ship Operations begin at Langley AFB								X																																																																																																																																																																																																														
(U) DMT Integration & Operations begin						X																																																																																																																																																																																																																
(U) AWACS ops begin :Tinker AFB, OK									X																																																																																																																																																																																																													
(U) Training Device Models and Software	*																																																																																																																																																																																																																					
Project 4673		Page 12 of 14 Pages					Exhibit R-2A (PE 0604227F)																																																																																																																																																																																																															

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 1999				
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604227F Distributed Mission Training (DMT)				PROJECT 4673			
(U) A. <u>Project Cost Breakdown (\$ in Thousands)</u>											
				<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>				
(U) Identified as a source for SBIR					13						
(U) DMT Network Architecture Development				0	1,461	1,590	1,092				
(U) Common database and interface integration				0	213	1,838	2,270				
(U) Demonstration of improved simulator/network fidelity				0	209	407	454				
(U) Total				0	1,896	3,835	3,816				
(U) B. <u>Budget Acquisition History and Planning Information (\$ in Thousands)</u>											
Performing Organizations:											
<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>
Identified as a source for SBIR							13				
13											
<u>Product Development Organizations</u>											
TBD	CPAF/FPAT (for development) FFP/FPAT (for operations)	Jun 99 (estimated)	TBD	TBD	0	0	1,761	2,681	2,602	continuing	continuing
Project 4673											
Page 13 of 14 Pages											
Exhibit R-3 (PE 0604227F)											

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE February 1999	
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development					PE NUMBER AND TITLE 0604227F Distributed Mission Training (DMT)					PROJECT 4673	
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
<u>Support and Management Organizations</u>											
Training Systems Product Group			N/A	N/A	0	0	122	834	864	continuing	continuing
(U) B. Budget Acquisition History and Planning Information Continued (\$ in Thousands)											
<u>Test and Evaluation Organizations:</u>											
TBD	CPAF/FPAT	Jun 99	TBD	TBD	0	0	0	320	350	continuing	continuing
Government Furnished Property: Not Applicable											
Identified as a source for SBIR							13				13
Subtotal Product Development					0	0	1,761	2,681	2,602	continuing	continuing
Subtotal Support and Management					0	0	122	834	864	continuing	continuing
Subtotal Test and Evaluation					0	0	0	320	350	0	0
Total Project					0	0	1,896	3,835	3,816	continuing	continuing