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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 2002	
BUDGET ACTIVITY 05 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604227F Distributed Mission Training (DMT)				PROJECT 4673	
COST (\$ in Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
4673 Distributed Mission Training (DMT)	3,597	0	0	0	0	0	0	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0
<p>In FY 2002, Project Number 654673, Distributed Mission Training, PE 0604227F, Distributed Mission Training, efforts were transferred to Project Number 655012, Full Combat Mission Training, PE 0207701F, in order to consolidate accounts supporting Distributed Mission Training in to a single PE to provide for more effective program management and oversight. This is not a program termination.</p> <p>(U) A. Mission Description Distributed Mission Training (DMT) is revolutionizing aerospace team training by implementing a 'train the way we fight' philosophy -- as a team. The DMT program provides a shared synthetic environment of geographically separated aircraft simulators and will link real time to C3I assets and other battlefield systems in a synthetic battlefield environment. This will allow the Air Force to conduct mission rehearsal and 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 is funded principally with Operations and Maintenance funds. RDT&E funds support the engineering development efforts focusing 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.</p> <p>Note: FY 02-FY07 funding transferred from PE 64227F, Distributed Mission Training, to PE 27701F, Full Combat Mission Training, to consolidate accounts supporting Distributed Mission Training in to a single PE to provide for more effective program management and oversight. This is not a program termination.</p> <p>(U) FY 2001 (\$ in Thousands)</p> <p>(U) \$1,041 Continued development, demonstration and insertion of multi-level security capability</p> <p>(U) \$1,228 Continued development, demonstration and insertion of DMT related technologies. Includes but not limited to common databases and improved image generation fidelity.</p> <p>(U) \$1,328 Continued Program office support</p> <p>(U) \$3,597 Total</p>									
Project 4673			Page 1 of 5 Pages				Exhibit R-2 (PE 0604227F)		

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<p>(U) <u>A. Mission Description Continued</u></p> <p>(U) <u>FY 2002 (\$ in Thousands)</u></p> <p>(U) \$0 No Activity</p> <p>(U) \$0 No Activity</p> <p>(U) \$0 No Activity</p> <p>(U) \$0 Total</p> <p>(U) <u>FY 2003 (\$ in Thousands)</u></p> <p>(U) \$0 No Activity</p> <p>(U) \$0 Total</p> <p>(U) <u>B. Budget Activity Justification</u> This program element is included in Budget Activity 5 - Engineering and Manufacturing Development (EMD) as it supports development, demonstration and insertion of Distributed Mission Training applications.</p> <p>(U) <u>C. Program Change Summary (\$ in Thousands)</u></p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;"></th> <th style="width:10%; text-align: center;"><u>FY 2001</u></th> <th style="width:10%; text-align: center;"><u>FY 2002</u></th> <th style="width:10%; text-align: center;"><u>FY 2003</u></th> <th style="width:10%; text-align: center;"><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget</td> <td style="text-align: center;">3,782</td> <td style="text-align: center;">0</td> <td></td> <td style="text-align: center;">TBD</td> </tr> <tr> <td>(U) Appropriated Value</td> <td style="text-align: center;">3,782</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Appropriated Value</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> a. Congressional/General Reductions</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> b. Small Business Innovative Research</td> <td style="text-align: center;">-31</td> <td></td> <td></td> <td></td> </tr> <tr> <td> c. Omnibus or Other Above Threshold Reprogram</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> d. Below Threshold Reprogram</td> <td style="text-align: center;">-120</td> <td></td> <td></td> <td></td> </tr> <tr> <td> e. Rescissions</td> <td style="text-align: center;">-34</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Budget Years Since FY 2002 PBR</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Current Budget Submit/FY 2003 PBR</td> <td style="text-align: center;">3,597</td> <td></td> <td></td> <td style="text-align: center;">TBD</td> </tr> </tbody> </table>				<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>Total Cost</u>	(U) Previous President's Budget	3,782	0		TBD	(U) Appropriated Value	3,782				(U) Adjustments to Appropriated Value					a. Congressional/General Reductions					b. Small Business Innovative Research	-31				c. Omnibus or Other Above Threshold Reprogram					d. Below Threshold Reprogram	-120				e. Rescissions	-34				(U) Adjustments to Budget Years Since FY 2002 PBR					(U) Current Budget Submit/FY 2003 PBR	3,597			TBD
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Project 4673	Page 2 of 5 Pages	Exhibit R-2 (PE 0604227F)																																																							

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BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT	
05 - Engineering and Manufacturing Development				0604227F Distributed Mission Training (DMT)				4673	
(U) <u>C. Program Change Summary (\$ in Thousands) Continued</u>									
(U) <u>Significant Program Changes:</u>									
In FY 2002, Project Number 654673, Distributed Mission Training, PE 0604227F, Distributed Mission Training, efforts were transferred to Project Number 655012, Full Combat Mission Training, PE 0207701F, in order to consolidate accounts supporting Distributed Mission Training in to a single PE to provide for more effective program management and oversight. This is not a program termination.									
(U) <u>D. Other Program Funding Summary (\$ in Thousands)</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>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(U) PE 0207130F, F-15 Squadrons Appropriation: O&M, AF	42,593	0	0	0	0	0	0	Continuing	TBD
(U) PE 0207417F, AWACS Squadron	3,696	0	0	0	0	0	0	Continuing	TBD
(U) Appropriation: O&M, AF (U) PE 0207133F, O&M, F-16 Squadron	18,205	0	0	0	0	0	0	Continuing	TBD
Note: FY 02 - FY 07 funding transferred to PE 27701F, Full Combat Mission Training, to consolidate accounts supporting Distributed Mission Training into a single PE to provide for more effective program management and oversight. This is not a program termination.									
(U) <u>E. Acquisition Strategy</u>									
An innovative acquisition strategy is being employed for some weapon systems in conjunction with DMT. Termed ' Commercial Training Simulation Service (CTSS)', this strategy differs significantly from previous AF simulator procurements. It shifts from government-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 current with the latest simulator and network technologies. CTSS contracts are currently in place for F-15C, F-16, AWACS, and Operations and Integration.									
(U) <u>F. Schedule Profile</u>									
			<u>FY 2001</u>			<u>FY 2002</u>			<u>FY 2003</u>
			1 2 3 4			1 2 3 4			1 2 3 4
(U) AWACS ops begin: Tinker AFB, OK			X						
Project 4673			Page 3 of 5 Pages				Exhibit R-2 (PE 0604227F)		

UNCLASSIFIED

RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 2002				
BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT			
05 - Engineering and Manufacturing Development				0604227F Distributed Mission Training (DMT)				4673			
(U) A. Project Cost Breakdown (\$ in Thousands)											
						<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>	
(U)	DMT Network Architecture Development					0					
(U)	Common database and interface integration					0					
(U)	Demonstration of improved simulator/network fidelity					200					
(U)	Multi-level Security					1,041		0			
(U)	Develop, demonstrate, insert DMT technology					1,028		0			
(U)	Support and management					1,328		0			
(U)	Total					3,597		0			
(U) B. Budget Acquisition History and Planning Information (\$ in Thousands)											
(U) Performing Organizations:											
	<u>Contractor or Government</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 2001</u>	<u>Budget FY 2001</u>	<u>Budget FY 2002</u>	<u>Budget FY 2003</u>	<u>Budget to Complete</u>	<u>Total Program</u>
	<u>Product Development Organizations</u>										
	Training Systems Product Group	CPAF/FPAT development) FFP/FPAT (for operations)	Aug 99			7,289	2,269	0		Continuing	TBD
	<u>Support and Management Organizations</u>										
	Training Systems Product Group			N/A	N/A	1,577	1,328	0		Continuing	TBD
	<u>Test and Evaluation Organizations</u>										
	Training Systems Product Group	CPAF/FPAT	Aug 99	TBD	TBD	320	0	0		Continuing	TBD
Project 4673				Page 4 of 5 Pages				Exhibit R-3 (PE 0604227F)			

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BUDGET ACTIVITY		PE NUMBER AND TITLE			PROJECT	
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		<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>
		<u>to FY 2001</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>Complete</u>
						<u>Total</u>
	<u>Subtotals</u>					<u>Program</u>
	Subtotal Product Development	7,289	2,269	0		TBD
	Subtotal Support and Management	1,577	1,328	0		TBD
	Subtotal Test and Evaluation	320	0	0		TBD
	Total Project	9,186	3,597	0		TBD