

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 2002	
BUDGET ACTIVITY 05 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0207701F Full Combat Mission Training				PROJECT 5012	
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
5012 Full Combat Mission Training	0	3,725	3,731	3,795	3,864	3,935	4,010	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0

In FY 2002, Project Number 655012, Full Combat Mission Training, efforts were transferred from PE 0604227F, Distributed Mission Training, Project Number 654673, Distributed Mission Training, 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 new start

(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. Engineering development efforts 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 2001 (\$ in Thousands)
 (U) \$0 No Activity
 (U) \$0 Total

(U) FY 2002 (\$ in Thousands)
 (U) \$456 Continue development, demonstration and insertion of multi-level security capability
 (U) \$1,901 Continue development, demonstration and insertion of DMT related technologies. Includes but not limited to common databases and improved image generation fidelity
 (U) \$1,368 Continue Program office support
 (U) \$3,725 Total

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BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT		
05 - Engineering and Manufacturing Development	0207701F Full Combat Mission Training	5012		
(U) <u>A. Mission Description Continued</u>				
(U) <u>FY 2003 (\$ in Thousands)</u>				
(U) \$461	Continue development, demonstration and insertion of multi-level security capability			
(U) \$1,902	Continue development, demonstration and insertion of DMT related technologies. Includes but not limited to common databases and improved image generation fidelity			
(U) \$1,368	Continue Program office support			
(U) \$3,731	Total			
(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.				
(U) <u>C. Program Change Summary (\$ in Thousands)</u>				
	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>Total Cost</u>
(U) Previous President's Budget	0	3,763	3,740	TBD
(U) Appropriated Value		3,763		
(U) Adjustments to Appropriated Value				
a. Congressional/General Reductions		-38		
b. Small Business Innovative Research				
c. Omnibus or Other Above Threshold Reprogram				
d. Below Threshold Reprogram				
e. Rescissions				
(U) Adjustments to Budget Years Since FY 2002 PBR		0	-9	
(U) Current Budget Submit/FY 2003 PBR		3,725	3,731	TBD
(U) <u>Significant Program Changes:</u>				
In FY 2002 Project Number 5012, Full Combat Mission Training, efforts were transferred from PE 0604227F, Distributed Mission Training, Project Number 4673, Distributed Mission Training, 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 new start				
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BUDGET ACTIVITY 05 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0207701F Full Combat Mission Training				PROJECT 5012			
(U) D. Other Program Funding Summary (\$ in Thousands)											
	<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) AF RDT&E								Continuing	TBD		
(U) PE 0207133, F-16 Squadrons	0	4,300	0	0	0	0	0	Continuing	TBD		
(U) AF O&M								Continuing	TBD		
(U) PE 0207701F, Full Combat Mission Training, O&M, AF	0	80,533	75,459	67,613	66,010	72,868	68,624	Continuing	TBD		
Note 1: FY 2002 RDT& E funding in PE 0207133 are Congressional adds specifically for F-16 Distributed Training Centers											
Note 2: FY 02 - FY 07 Other Program Funding funding transferred from individual weapon system PEs 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 new start.											
(U) E. Acquisition Strategy											
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 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. CTSS contracts are currently in place for F-15C, F-16, AWACS, and Operations and Integration.											
(U) F. Schedule Profile											
				<u>FY 2001</u>			<u>FY 2002</u>		<u>FY 2003</u>		
				1	2	3	4	1	2	3	4
(U) F-16 Four Ship Operations begin: Shaw AFB										X	
(U) F-16 Single Ship Operations begin: MT Home										X	
(U) AWACS Operations begin: Tinker #2									X		
(U) F-16 4-ship operations begin: Spangdahlem											X
(U) F-16 2-ship operations begin (adds one device): Mt. Home #2:											X
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