

**UNCLASSIFIED**

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 2000		
BUDGET ACTIVITY <b>05 - Engineering and Manufacturing Development</b>				PE NUMBER AND TITLE <b>0604617F Agile Combat Support</b>				PROJECT <b>652895</b>		
COST (\$ in Thousands)		FY 1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
652895	Air Base Operability	2,332	0	668	0	0	0	0	Continuing	TBD
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0
<p>Congress eliminated FY00 funding. The Air Force is in the process of consolidating three small dollar Civil Engineer (CE) readiness R&amp;D programs ( PE64617f - Agile Combat Support; PE64708f - Civil , Fire, Environmental, Shelters; and the 3600 portion of PE28031f - War Reserve Material) under PE 64617. This will meet the intent of the House action to eliminate smaller PEs and provide a more cohesive, manageable CE Readiness modernization effort.</p> <p>(U) <b><u>A. Mission Description</u></b>            This Program Element provides capabilities to rapidly deploy, defend and sustain airfield operations and command and control activities to ensure readiness. These activities are prerequisites to establishing air superiority. These systems provide beddown for aircraft, support equipment, and forces at both main operating bases and contingency operating locations, which may have only a runway and a water source. They also offer crucial utilities, runway stabilization and repair, explosive ordnance disposal (EOD), and security and reconnaissance capabilities to support aircraft deployment, launch, recovery and regeneration. Lighter-weight, rapidly deployable equipment has become essential in supporting numerous global contingencies such as DESERT SHIELD/DESERT STORM, Provide Comfort, Restore Hope, and Joint Endeavor for security, base defense, relief efforts, and special operations throughout the world. Agile Combat Support capabilities being developed include: power generation and distribution systems to reduce airlift; medium shelters; systems to repair runway damage; and Joint Service (Army-led) test, evaluation and acquisition of protective vehicles to be used by Air Force EOD technicians for reconnaissance and mine clearing missions.</p> <p>(U) <b><u>FY 1999 (\$ in Thousands)</u></b>            (U) \$667 Completed EMD for Medium Shelter Systems.            (U) \$349 Completed EMD for Deployable Power Generator and Distribution System (DPGDS).            (U) \$829 Initiated Commercial Item Performance Evaluation (CIPE) in support of EMD for All-purpose Remote Transport System (ARTS).            (U) \$487 Continued other technical support.            (U) \$2,332 Total</p> <p>(U) <b><u>FY 2000 (\$ in Thousands)</u></b>            (U) \$0 No Activity            (U) \$0 Total</p>										
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<p>(U) <b><u>A. Mission Description Continued</u></b></p> <p>(U) <u>FY 2001 (\$ in Thousands)</u></p> <p>(U) \$310                      Conduct EMD for EOD Support Equipment.</p> <p>(U) \$310                      Complete EMD for ARTS.</p> <p>(U) \$48                        Complete other technical support.</p> <p>(U) \$668                      Total</p> <p>(U) <b><u>B. Budget Activity Justification</u></b></p> <p>The Air Base Operability program is in RDT&amp;E budget activity 5 - Engineering and Manufacturing Development (EMD) because it conducts development, testing and evaluation of materials and equipment for contingency basing, detection and handling of explosive ordnance, and tactical shelters.</p> <p>(U) <b><u>C. Program Change Summary (\$ in Thousands)</u></b></p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="text-align: right;"><u>FY 1999</u></th> <th style="text-align: right;"><u>FY 2000</u></th> <th style="text-align: right;"><u>FY 2001</u></th> <th style="text-align: right;"><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget (FY 2000 PBR)</td> <td style="text-align: right;">2,485</td> <td style="text-align: right;">946</td> <td style="text-align: right;">674</td> <td style="text-align: right;">TBD</td> </tr> <tr> <td>(U) Appropriated Value</td> <td style="text-align: right;">2,503</td> <td style="text-align: right;">0</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 style="text-align: right;">-11</td> <td></td> <td></td> <td></td> </tr> <tr> <td>    b. Small Business Innovative Research</td> <td style="text-align: right;">-39</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: right;">-101</td> <td></td> <td></td> <td></td> </tr> <tr> <td>    e. Rescissions</td> <td style="text-align: right;">-20</td> <td></td> <td></td> <td></td> </tr> <tr> <td>    f. Other</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Budget Years Since FY 2000 PBR</td> <td></td> <td></td> <td style="text-align: right;">-6</td> <td></td> </tr> <tr> <td>(U) Current Budget Submit/FY 2001 PBR</td> <td style="text-align: right;">2,332</td> <td style="text-align: right;">0</td> <td style="text-align: right;">668</td> <td style="text-align: right;">TBD</td> </tr> </tbody> </table> <p>(U) <b><u>Significant Program Changes:</u></b> Funding: FY00 funding eliminated. Reduction in FY01 made to fund higher priority AF programs - FY01 project scope reduced.</p>				<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>	(U) Previous President's Budget (FY 2000 PBR)	2,485	946	674	TBD	(U) Appropriated Value	2,503	0			(U) Adjustments to Appropriated Value					a. Congressional/General Reductions	-11				b. Small Business Innovative Research	-39				c. Omnibus or Other Above Threshold Reprogram					d. Below Threshold Reprogram	-101				e. Rescissions	-20				f. Other					(U) Adjustments to Budget Years Since FY 2000 PBR			-6		(U) Current Budget Submit/FY 2001 PBR	2,332	0	668	TBD
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<b>BUDGET ACTIVITY</b> <b>05 - Engineering and Manufacturing Development</b>	<b>PE NUMBER AND TITLE</b> <b>0604617F Agile Combat Support</b>	<b>PROJECT</b> <b>652895</b>
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(U) <b><u>D. Other Program Funding Summary (\$ in Thousands)</u></b>	<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>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) Other Procurement, AF, Other Base Maintenance and Support Program:									
(U) Mobility Equipment (0208031F) (WSC 845420)	35,883	46,865	50,513	27,742	27,173	20,461	19,687	Continuing	TBD
(U) Air Base Operability (0208028F) (WSC 845100)	5,309	4,378	1,838	0	0	0	0	0	TBD

(U) **E. Acquisition Strategy**  
 Many of the projects funded in the PE employ a streamlined acquisition approach, instead of traditional EMD. Whenever practical, commercial items are tested and evaluated as candidates for solutions to user needs. As a modified form of EMD, this approach uses Commercial Item Performance Evaluation (CIPE) to provide characterization, verification and qualification testing to ensure off-the-shelf equipment is properly adapted for military purposes. Initiation of the CIPE phase includes all 6.4 activities leading up to contract award and subsequent test and evaluation culminating in a Milestone III production decision.

(U) <b><u>F. Schedule Profile</u></b>	<u>FY 1999</u>			<u>FY 2000</u>			<u>FY 2001</u>					
	1	2	3	4	1	2	3	4	1	2	3	4
(U) MEDIUM SHELTER SYSTEMS												
(U) CIPE Contract Award	*											
(U) Complete IOT&E			*									
(U) Milestone III Decision						X						
(U) Award Production Option (Production Funds)						X						
(U) DEPLOY POWER GEN & DISTRO SYS												
(U) Award Phase II Contract			*									
(U) ALL-PURPOSE REMOTE TRANSPORT SYSTEM II												
(U) Milestone I/II Decision			*									
(U) Directed Sole Source Contract Award for the FY99 Procurement											*	
(U) Award Production Option (Production Funds)									X			
(U) Complete test of FY01 ARTS tools												X

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(U) **F. Schedule Profile Continued**

	<u>FY 1999</u>				<u>FY 2000</u>				<u>FY 2001</u>			
	1	2	3	4	1	2	3	4	1	2	3	4
(U) EOD SUPPORT EQUIPMENT												
(U) Initiate CIPE of FY01 Equipment									X			
(U) Complete CIPE of FY01 Equipment											X	

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 2000			
BUDGET ACTIVITY <b>05 - Engineering and Manufacturing Development</b>				PE NUMBER AND TITLE <b>0604617F Agile Combat Support</b>				PROJECT <b>652895</b>		
<b>(U) A. Project Cost Breakdown (\$ in Thousands)</b>										
						<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>
(U)	Contracts					867		0		0
(U)	Administrative and &Analytic Support (A&AS)					464		0		570
(U)	Other Government Agencies					432		0		50
(U)	Materials/Equipment					82		0		0
(U)	Other Technical Support					487		0		48
(U)	Total					2,332		0		668
<b>(U) B. Budget Acquisition History and Planning Information (\$ in Thousands)</b>										
<b>(U) Performing Organizations:</b>										
<u>Contractor or</u>	<u>Contract</u>									
<u>Government</u>	<u>Method/Type</u>	<u>Award or</u>	<u>Performing</u>	<u>Project</u>						
<u>Performing</u>	<u>or Funding</u>	<u>Obligation</u>	<u>Activity</u>	<u>Office</u>	<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>	<u>Total</u>
<u>Activity</u>	<u>Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>	<u>to FY 1999</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Complete</u>	<u>Program</u>
<u>Product Development Organizations</u>										
Medium Shelter Systems -	FFP	Feb 98	1,050	1,050	500	667	0	0	Continuing	TBD
A&AS										
Deployable Power - Radian	FFP	May 98	2,238	2,238	1,341	349	0	0	Continuing	TBD
ARTS - A&AS	FFP	Feb 98	2,800	2,800	0	829	0	310	Continuing	TBD
EOD Support Equipment -	FFP	Feb 00				0	0	310	Continuing	TBD
A&AS										
<u>Support and Management Organizations</u>										
Various	Various	Various	N/A	N/A	798	487	0	48	Continuing	TBD
<u>Test and Evaluation Organizations</u>										
<b>(U) Government Furnished Property:</b>										
	<u>Contract</u>									
<u>Item</u>	<u>Method/Type</u>	<u>Award or</u>	<u>Delivery</u>		<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>	<u>Total</u>
<u>Description</u>	<u>or Funding</u>	<u>Obligation</u>	<u>Date</u>		<u>to FY 1999</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Complete</u>	<u>Program</u>
	<u>Vehicle</u>	<u>Date</u>	<u>Date</u>							

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BUDGET ACTIVITY 05 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604617F Agile Combat Support			PROJECT 652895	
<b>(U) Government Furnished Property Continued:</b>								
	<u>Contract</u>	<u>Award or</u>						
<u>Item</u>	<u>Method/Type</u>	<u>Obligation</u>	<u>Delivery</u>	<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>
<u>Description</u>	<u>or Funding</u>	<u>Date</u>	<u>Date</u>	<u>to FY 1999</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Complete</u>
<u>Product Development Property</u>	<u>Vehicle</u>							<u>Total</u>
None								<u>Program</u>
<u>Support and Management Property</u>								
None								
<u>Test and Evaluation Property</u>								
None								
				<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>
<u>Subtotals</u>				<u>to FY 1999</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Complete</u>
*								<u>Total</u>
Subtotal Product Development				1,841	1,845	0	620	TBD
Subtotal Support and Management				798	487	0	48	TBD
Subtotal Test and Evaluation								
Total Project				2,639	2,332	0	668	TBD
* Basket Program Element with 20+ years of projects, prior years breakout not available.								