

UNCLASSIFIED

PE NUMBER: 0604617F
PE TITLE: Agile Combat Support

Exhibit R-2, RDT&E Budget Item Justification

DATE

February 2005

BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0604617F Agile Combat Support

Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	20.556	18.886	10.173	9.996	10.742	9.462	9.715	9.954	Continuing	TBD
2895 CE Readiness	5.971	6.322	6.041	6.432	6.577	6.661	6.809	6.936	Continuing	TBD
4910 Aeromedical Readiness	14.585	12.564	4.132	3.564	4.165	2.801	2.906	3.018	Continuing	TBD

In FY06, Project 2895, Civil Engineering Readiness (CE), includes new start efforts.

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

This Program Element (PE) provides capabilities to rapidly deploy, defend and sustain airfield operations, and command and control activities to ensure readiness. In addition, this PE provides tactical and strategic aeromedical evacuation systems, automated information systems; and medical treatment equipment to meet unique Air Force medical readiness and operational requirements. These activities are prerequisites to establishing air superiority. Development of Agile Combat Support (ACS) systems provides 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), rescue and recovery aids, aeromedical evacuation and treatment equipment; 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, Joint Endeavor, and Enduring Freedom for security, base defense, relief efforts, and special operations throughout the world. Specific ACS capabilities being developed include: power generation and distribution systems to reduce airlift; deployable medical grade oxygen generation systems; a family of deployable shelters to be used as aircraft hangars, maintenance facilities, heavy equipment storage, Command, Control, Communications, Computers and Intelligence (C4I) operations, medical and personnel shelters, systems to repair runway damage, and Joint Service (Army-led) test, evaluation and acquisition of protective systems, and equipment to be used by Air Force EOD technicians for reconnaissance and mine clearing missions.

The Agile Combat Support program is in RDT&E Budget Activity 5 - System Development and Demonstration (SDD) because it supports development, testing and evaluation of materials and equipment for contingency basing, detection and handling of explosive ordnance, tactical shelters, and aeromedical evacuation systems.

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

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Previous President's Budget	13.360	10.053	8.976	8.814
(U) Current PBR/President's Budget	20.556	18.886	10.173	9.996
(U) Total Adjustments	7.196	8.833		
(U) Congressional Program Reductions				
Congressional Rescissions		-0.167		
Congressional Increases		9.000		
Reprogrammings	7.700			
SBIR/STTR Transfer	-0.504			

(U) **Significant Program Changes:**

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BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604617F Agile Combat Support	
<p>In FY04, Project 4910 received two Congressional Adds in the amounts of \$2.8M and \$2.1M, respectively, for Deployable Oxygen System (DOS) programs and Nano-Technology to produce sterile water.</p> <p>Also in FY04, Project 2895, Civil Engineering Readiness, received \$3.0M for the Base Operating Support Assessment Model (BOSAM). Since the BOSAM contract had been executing using O&M funds, reprogramming action was accomplished to recolor \$1.4M of the \$3.0M RDT&E to O&M. The remaining reprogramming actions include \$9.2M for Epidemic Outbreak Surveillance (EOS).</p> <p>In FY05, Project 4910 received four Congressional Adds in the amounts of \$2.8M, \$4.2M, \$1M, and \$1M, respectively for AERO Medical Readiness Water sterilization, Isolation Units with Reactive Nanoparticle Materials, Advanced Casualty Care for AFSOC, and Biostatic Protective Clothing for AFSOC.</p>		
R-1 Shopping List - Item No. 82-2 of 82-16		
Exhibit R-2 (PE 0604617F)		

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Exhibit R-2a, RDT&E Project Justification

DATE

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BUDGET ACTIVITY					PE NUMBER AND TITLE			PROJECT NUMBER AND TITLE		
05 System Development and Demonstration (SDD)					0604617F Agile Combat Support			2895 CE Readiness		
Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
2895 CE Readiness	5.971	6.322	6.041	6.432	6.577	6.661	6.809	6.936	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

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

This project 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. Agile Combat Support (ACS) 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 water source. They also offer crucial utilities, runway stabilization and repair, explosive ordnance disposal (EOD), rescue and recovery aids; and security and reconnaissance capabilities to support global aircraft deployment, employment, recovery and regeneration. Light weight, rapidly deployable equipment has become essential in supporting numerous global contingencies such as ENDURING FREEDOM and IRAQI FREEDOM for security, base defense, relief efforts, and special operations throughout the world. Specific ACS capabilities being developed and fielded include: deployable power generation and distribution systems to reduce airlift and energy consumption, deployable shelters to be used as aircraft hangars, maintenance facilities, heavy equipment storage, C4I operations, medical and personnel shelters, systems to repair runway damage; and Joint Service (Army-led) test, evaluation and acquisition of protective systems, and equipment to be used by Air Force EOD technicians for reconnaissance, mine clearing operations, accessing and neutralizing improvised explosive devices, and equipment in support of Homeland Defense missions.

The Agile Combat Support program is in RDT&E Budget Activity 5 - System Development and Demonstration (SDD) because it supports development, testing and evaluation of materials and equipment for contingency basing, detection and handling of explosive ordnance, tactical shelters, and aeromedical evacuation systems.

(U) **B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Accomplishments/Planned Program				
(U) Continue SDD for All-purpose Remote Transport System (ARTS)/Attachments	1.700	2.100	1.100	
(U) Provide Joint Robotics Program (JRP) Support				0.100
(U) Initiate SDD for Rapid Parking Ramp Expansion (RPRE)	0.100	0.100	1.200	1.900
(U) Continue SDD for Large Shelter System (LSS)	1.392	1.800	0.200	
(U) Continue(d) SDD for Multimedia Training Systems (MTS)	0.952	1.500	1.472	1.100
(U) Continue(d) Product Evaluations for Commercial Technology Exploitation (CTE)	0.227	0.822	0.969	0.932
(U) Initiate SDD for Modular Automated Robotics System (MARS)			0.200	1.000
(U) Initiate SDD for Next-Generation Emergency Airfield Lighting System (NEALS)			0.900	1.400
(U) Initiate Base Operating Support Assessment Model (BOSAM)	1.600	0.000		
(U) Total Cost	5.971	6.322	6.041	6.432

Exhibit R-2a, RDT&E Project Justification

DATE

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BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0604617F Agile Combat Support

PROJECT NUMBER AND TITLE

2895 CE Readiness

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

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</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>Estimate</u>	<u>Complete</u>	
Other Procurement, AF, PE 0401135F, Other Base and										
(U) Maintenance Support, Mobility Equipment (WSC 845420)	92.261	267.077	23.370	27.033	37.712	59.167	74.014	31.892	Continuing	TBD
Other Procurement, AF, PE 0208028F, Other Base and										
(U) Maintenance Support, Air Base Operability (WSC 845100)	21.127	5.411	5.463	5.540	6.418	6.752	6.899	7.078	Continuing	TBD

(U) **D. Acquisition Strategy**

A majority of projects funded in this PE employ a streamlined acquisition approach. Whenever practical, commercial items are tested and evaluated as candidates for solutions to user needs. This normally involves characterization, verification and qualification testing to ensure commercial off-the-shelf equipment is properly adapted for military purposes. ACC/DRM/CEX jointly develop/approve requirements supporting Civil Engineering Readiness and Capabilities Enhancement initiatives, such as Explosive Ordnance Disposal robotics programs. The AAC/YBC Agile Combat Support (ACS) Program Office initiates SDD following receipt of applicable Capabilities Development Documents from those agencies. The Basic Expeditionary Airfield Resource (BEAR) Systems Readiness Board (BSRB) evaluates laboratory and commercial technologies with application for modernization of BEAR assets, such as deployable shelters, power, waste treatment and airfield support systems. With ACC/DRM/LGX/CEX direction and BEAR Program Office approval, the AAC/YBC ACS Program Office initiates SDD, and ACC/LGX aligns BEAR production funding within PE41135F to support modernization of assets. Initiation of SDD includes all 6.4 activities leading up to contract award and subsequent test and evaluation culminating in a Milestone C production decision.

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Exhibit R-3, RDT&E Project Cost Analysis												DATE February 2005		
BUDGET ACTIVITY					PE NUMBER AND TITLE						PROJECT NUMBER AND TITLE			
05 System Development and Demonstration (SDD)					0604617F Agile Combat Support						2895 CE Readiness			
(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY 2004 Cost</u>	<u>FY 2004 Cost</u>	<u>FY 2004 Award Date</u>	<u>FY 2005 Cost</u>	<u>FY 2005 Award Date</u>	<u>FY 2006 Cost</u>	<u>FY 2006 Award Date</u>	<u>FY 2007 Cost</u>	<u>FY 2007 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u> ARTS/Attachments	FFP	Applied Research Associates, South Royalton, VT	5.055	1.700	Nov-03	2.100	Mar-05	1.100	Jan-06			0.000	9.955	9.955
Joint Robotics Program (JRP) Support	FFP	AAC/YBC, Eglin AFB, FL	0.000							0.100	Jan-07	Continuing	TBD	TBD
Rapid Parking Ramp Expansion	FFP	TBD	0.694	0.100	Feb-04	0.100	Mar-05	1.200	Dec-05	1.900	Dec-06	0.700	4.694	4.700
Large Shelter System (LSS)	FFP	Vertigo, Inc., Lake Elsinore, CA	1.215	1.392	Jun-04	1.800	Feb-05	0.200	Jan-06			0.000	4.607	4.700
Multimedia Training Systems (MTS)	FFP	Multiple	4.123	0.952	May-04	1.500	Jan-05	1.472	Feb-06	1.100	Mar-07	Continuing	TBD	TBD
Commercial Technology Exploitation (CTE)	FFP	Multiple	1.743	0.227	Aug-04	0.822	May-05	0.969	May-06	0.932	May-07	Continuing	TBD	TBD
Modular Automated Robotics System (MARS)	TBD	TBD	0.000					0.200		1.000	Dec-06	2.600	3.800	3.800
Next-Generation Emergency Airfield Lighting System (NEALS)	TBD	TBD	0.000					0.900	Mar-06	1.400	Feb-07	0.800	3.100	3.100
Base Operating Support Assessment Model (BOSAM)	FFP	Dynamic Research Corporation, Andover, MA	0.000	1.600	Sep-04			0.000		0.000		0.000	1.600	3.000
Subtotal Product Development			12.830	5.971		6.322		6.041		6.432		Continuing	TBD	TBD
Remarks:													0.000	0.000
(U) <u>Support</u> None.													0.000	0.000
None													0.000	0.000
Subtotal Support			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) <u>Test & Evaluation</u> Various	Various			0.000		0.000						Continuing	TBD	
None													0.000	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000		Continuing	TBD	0.000
Remarks:														
(U) <u>Management</u> Subtotal Management			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Project 2895														
			R-1 Shopping List - Item No. 82-5 of 82-16										Exhibit R-3 (PE 0604617F)	

R-1 Shopping List - Item No. 82-5 of 82-16

Exhibit R-3 (PE 0604617F)

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Exhibit R-3, RDT&E Project Cost Analysis							DATE February 2005		
BUDGET ACTIVITY				PE NUMBER AND TITLE			PROJECT NUMBER AND TITLE		
05 System Development and Demonstration (SDD)				0604617F Agile Combat Support			2895 CE Readiness		
Remarks:									
(U)	Total Cost	12.830	5.971	6.322	6.041	6.432	Continuing	TBD	TBD
NOTE: This is a level of effort Program Element with 20+ years of projects. Prior years breakout not available.									

Exhibit R-4, RDT&E Schedule Profile

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BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0604617F Agile Combat Support

PROJECT NUMBER AND TITLE

2895 CE Readiness

2895 CE Readiness

CE Readiness Schedule

0604617F Agile Combat Support

(U) Schedule Profile**ALL-PURPOSE REMOTE TRANSPORT SYSTEM (ARTS)**

- Awarded ARTS ACS Production Contract
- ARTS Box Rake
- ARTS Box Rake Production
- Submunitions Clearance System (SCS)
- Initiate SCS Production
- Complete T&E for ARTS Data Feedback System (DFS)
- DFS Production

RAPID PARKING RAMP EXPANSION (RPRE)

- Conduct FY04 RPRE Activity
- Conduct FY05 RPRE Pre-SDD Activities
- RPRE Milestone B Decision
- Award RPRE SDD Contract
- Initiate RPRE T&E

LARGE SHELTER SYSTEM (LSS)

- Award LSS SDD Contract
- Start LSS SDD
- Complete LSS T&E
- LSS Milestone C Decision
- LSS First Delivery

FY04

FY05

FY06

FY07



T&E



MS C



Production



T&E



Production

T&E



Exhibit R-4, RDT&E Schedule Profile

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05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0604617F Agile Combat Support

PROJECT NUMBER AND TITLE

2895 CE Readiness

2895 CE Readiness

CE Readiness Schedule

0604617F Agile Combat Support

FY04

FY05

FY06

FY07

(U) Schedule Profile**MULTIMEDIA TRAINING SYSTEMS (MTS)**

- Conduct FY04 MTS Projects
- Conduct FY05 MTS Projects
- Conduct FY06 MTS Projects
- Conduct FY07 MTS Projects

COMMERCIAL TECHNOLOGY EXPLOITATION (CTE)

- Conduct FY04 CTE Product Evaluations
- Conduct FY05 CTE Product Evaluations
- Conduct FY06 CTE Product Evaluations
- Conduct FY07 CTE Product Evaluations

MODULAR AUTOMATED ROBOTICS SYSTEM (MARS)

- Submit MARS RFP
- Award MARS SDD
- Initiate MARS T&E



Exhibit R-4, RDT&E Schedule Profile

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BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0604617F Agile Combat Support

PROJECT NUMBER AND TITLE

2895 CE Readiness

CE Readiness Schedule

0604617F Agile Combat Support
BPAC 652895 CE Readiness

FY04

FY05

FY06

FY07

(U) Schedule Profile**NEXT-GENERATION EMERGENCY AIRFIELD LIGHTING
SYSTEM (NEALS)**

- Submit NEALS RFP
- Award NEALS SDD Contract
- Initiate NEALS T&E

**BASE OPERATIONS SUPPORT ASSESSMENT MODEL
(BOSAM) (CONGRESSIONAL ADD)**

- Completed Pre-Award Activities
- Awarded Development Contract



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Exhibit R-4a, RDT&E Schedule Detail			DATE	
			February 2005	
BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT NUMBER AND TITLE		
05 System Development and Demonstration (SDD)	0604617F Agile Combat Support	2895 CE Readiness		
(U) <u>Schedule Profile</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) ALL-PURPOSE REMOTE TRANSPORT SYSTEM (ARTS)				
(U) Awarded ARTS ACS Production Contract	3Q			
(U) Initiated T&E for ARTS Box Rake	4Q			
(U) Complete T&E for ARTS Box Rake			1Q	
(U) Award ARTS Box Rake Procurement Option			2Q	
(U) Complete Data Feedback System (DFS) T&E		2Q		
(U) Award DFS Procurement Option		3Q		
(U) Initiate T&E for Submunitions Clearance System (SCS)		3Q		
(U) Complete T&E for SCS			2Q	
(U) Award SCS Procurement Option			3Q	
(U) RAPID PARKING RAMP EXPANSION (RPRE)				
(U) Complete FY04 RPRE Activity	4Q			
(U) Complete FY05 RPRE Pre-SDD activities		4Q		
(U) RPRE Milestone B Decision			1Q	
(U) Award SDD Contract			1Q	
(U) Initiate RPRE T&E			2Q	
(U) LARGE SHELTER SYSTEM (LSS)				
(U) Awarded LSS SDD Contract	3Q			
(U) Started LSS SDD	4Q			
(U) Complete LSS T&E			1Q	
(U) LSS Milestone C Decision			1Q	
(U) LSS First Delivery			4Q	
(U) MULTIMEDIA TRAINING SYSTEMS (MTS)				
(U) Completed FY04 MTS Projects	3Q			
(U) Complete FY05 MTS Projects		3Q		
(U) Complete FY06 MTS Projects			3Q	
(U) Complete FY07 MTS Projects				3Q
(U) COMMERCIAL TECHNOLOGY EXPLOITATION (CTE)				
(U) Completed FY04 CTE Product Evaluations		1Q		
(U) Complete FY05 CTE Product Evaluations		4Q		
(U) Complete FY06 CTE Product Evaluations			4Q	
(U) Complete FY07 CTE Product Evaluations				4Q
(U) MODULAR AUTOMATED ROBOTICS SYSTEM (MARS)				
Project 2895				
R-1 Shopping List - Item No. 82-10 of 82-16				
Exhibit R-4a (PE 0604617F)				

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Exhibit R-4a, RDT&E Schedule Detail		DATE
		February 2005
BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT NUMBER AND TITLE
05 System Development and Demonstration (SDD)	0604617F Agile Combat Support	2895 CE Readiness
(U) Submit MARS RFP		4Q
(U) Award MARS SDD		1Q
(U) Initiate MARS T&E		2Q
(U) NEXT-GENERATION EMERGENCY AIRFIELD LIGHTING SYTEM (NEALS)		
(U) Submit NEALS RFP		1Q
(U) Award NEALS SDD Contract		2Q
(U) Initiate NEALS T&E		3Q
(U) NEALS MS C Decision		
(U) BASE OPERATIONS SUPPORT ASSESSMENT MODEL (BOSAM) (CONGRESSIONAL ADD)		
(U) Completed Pre-Award Activities	4Q	
(U) Awarded Development Contract		1Q

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BUDGET ACTIVITY					PE NUMBER AND TITLE			PROJECT NUMBER AND TITLE		
05 System Development and Demonstration (SDD)					0604617F Agile Combat Support			4910 Aeromedical Readiness		
Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4910 Aeromedical Readiness	14.585	12.564	4.132	3.564	4.165	2.801	2.906	3.018	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

In FY04, Project 4910 received two Congressional Adds in the amounts of \$2.8M and \$2.1M, respectively, for the Deployable Oxygen System (DOS) program and Nano-Technology to produce sterile water.

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

This program provides tactical and strategic aeromedical evacuation systems, automated information systems, and medical treatment equipment to meet unique Air Force medical readiness and operational requirements.

The Agile Combat Support program is in RDT&E Budget Activity 5 - System Development and Demonstration (SDD) because it supports development, testing and evaluation of materials and equipment for contingency basing, detection and handling of explosive ordnance, tactical shelters, and aeromedical evacuation systems.

(U) **B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Continue operation support, market research, and acquisition strategy for deployable oxygen systems	0.335	0.535	0.000	0.000
(U) Continue development of oxygen systems to meet deployable oxygen requirements	2.800	1.969	2.455	2.000
(U) Conduct foundational studies and analyses of Nano-Technology to produce sterile water	2.100	0.000	0.000	0.000
(U) Conduct analysis and begin SDD activities for Expeditionary Trauma Resuscitation			1.410	1.293
(U) Congressional add for Advanced Casualty Care for AFSOC		1.000		
(U) Initiate Congressional add for AERO Medical Readiness Water Sterilization (Continuation of FY04 Congressional add for Nano-technology to produce sterile water)		2.800		
(U) Congressional add for Biostatic Protective Clothing for AFSOC		1.000		
(U) Congressional add for Isolation Units with Reactive Nanoparticle Materials		4.200		
(U) Aeromedical Systems Analysis - Conduct foundational studies and analyses, requirements analyses, and product demonstrations to meet operational needs, and define acquisition strategies and baselines for potential system solutions to Air Force Medical Service materiel needs	9.350	1.060	0.267	0.271
(U) Total Cost	14.585	12.564	4.132	3.564

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

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</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>Estimate</u>	<u>Complete</u>	
(U) Other Procurement, AF, Other Base Maintenance and Support Equipment (WSC 845060)	33.720	13.965	14.695	16.998	16.930	18.802	19.239	16.622	Continuing	TBD

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PE NUMBER AND TITLE

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PROJECT NUMBER AND TITLE

4910 Aeromedical Readiness

(U) **D. Acquisition Strategy**

All major projects are awarded under best-value competitive solicitation.

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Exhibit R-3, RDT&E Project Cost Analysis												DATE February 2005		
BUDGET ACTIVITY					PE NUMBER AND TITLE						PROJECT NUMBER AND TITLE			
05 System Development and Demonstration (SDD)					0604617F Agile Combat Support						4910 Aeromedical Readiness			
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2004 Cost	FY 2004 Cost	FY 2004 Award Date	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) Product Development														
Deployable Oxygen Systems (DOS)	N/A		2.087	2.545		0.535		0.000		0.000		0.000	5.167	2.087
Deployable Oxygen Generation System - Small, medium & large gas generators and storage units	TBD	TBD	0.000	0.000		1.969		2.015		1.740		Continuing	TBD	TBD
Nano-Technology to produce sterile water	TIA	Seldon Labs, VT	0.000	2.100	May-04	0.000						0.000	2.100	2.100
Expeditionary Trauma Resuscitation	TBD	TBD	0.000					1.410		1.293		Continuing	TBD	TBD
Assist Surgeon General in developing a capability for Epidemic Outbreak Surveillance	MIPR	USAMRAA, Ft Detrick, MD	0.000	9.115	Jun-04	0.000		0.000		0.000		0.000	9.115	9.115
Congressional add for Advanced Casualy Care for AFSOC	TBD	TBD	0.000	0.000		1.000		0.000		0.000		0.000	1.000	TBD
Congressional add for AERO Medical Readiness Water Sterilization	TBD	TBD	0.000	0.000		2.800		0.000		0.000		0.000	2.800	TBD
Congressional add for Biostatic Protective Clothing	TBD	TBD	0.000	0.000		1.000		0.000		0.000		0.000	1.000	TBD
Congressional add for Isolation Units With Reactive Nanoparticle Materials	TBD	TBD	0.000	0.000		4.200		0.000		0.000		0.000	4.200	TBD
Aeromedical Systems Analysis to include Analysis of Solutions for planned aeromedical and Surgeon General initiatives	N/A	N/A	0.000	0.235		0.331							0.566	
Subtotal Product Development			2.087	13.995		11.835		3.425		3.033		Continuing	TBD	TBD
Remarks:														
(U) Support														
Technical Engineering And Management Support (TEAMS)	Delivery Order			0.340		0.320		0.330		0.200		Continuing	TBD	
Program Management Support & Operations	Various			0.200		0.359		0.327		0.331		Continuing	TBD	
None.													0.000	
Subtotal Support			0.000	0.540		0.679		0.657		0.531		Continuing	TBD	0.000
Remarks:														
(U) Test & Evaluation														
DOS Test and Evaluation				0.050		0.050		0.050				Continuing	TBD	
None.													0.000	
Subtotal Test & Evaluation			0.000	0.050		0.050		0.050		0.000		Continuing	TBD	0.000
Remarks:														
(U) Management														
Subtotal Management			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Total Cost			2.087	14.585		12.564		4.132		3.564		Continuing	TBD	TBD
Project 4910			R-1 Shopping List - Item No. 82-14 of 82-16											
			Exhibit R-3 (PE 0604617F)											

R-1 Shopping List - Item No. 82-14 of 82-16

Exhibit R-3 (PE 0604617F)

Exhibit R-4, RDT&E Schedule Profile

DATE

February 2005

BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0604617F Agile Combat Support

PROJECT NUMBER AND TITLE

4910 Aeromedical Readiness

Aeromedical Readiness Schedule

PE 0604617F Agile Combat Support
BPAC 654910 Aeromedical Readiness

(U) Schedule Profile**DEPLOYABLE OXYGEN SYSTEM (DOS)**

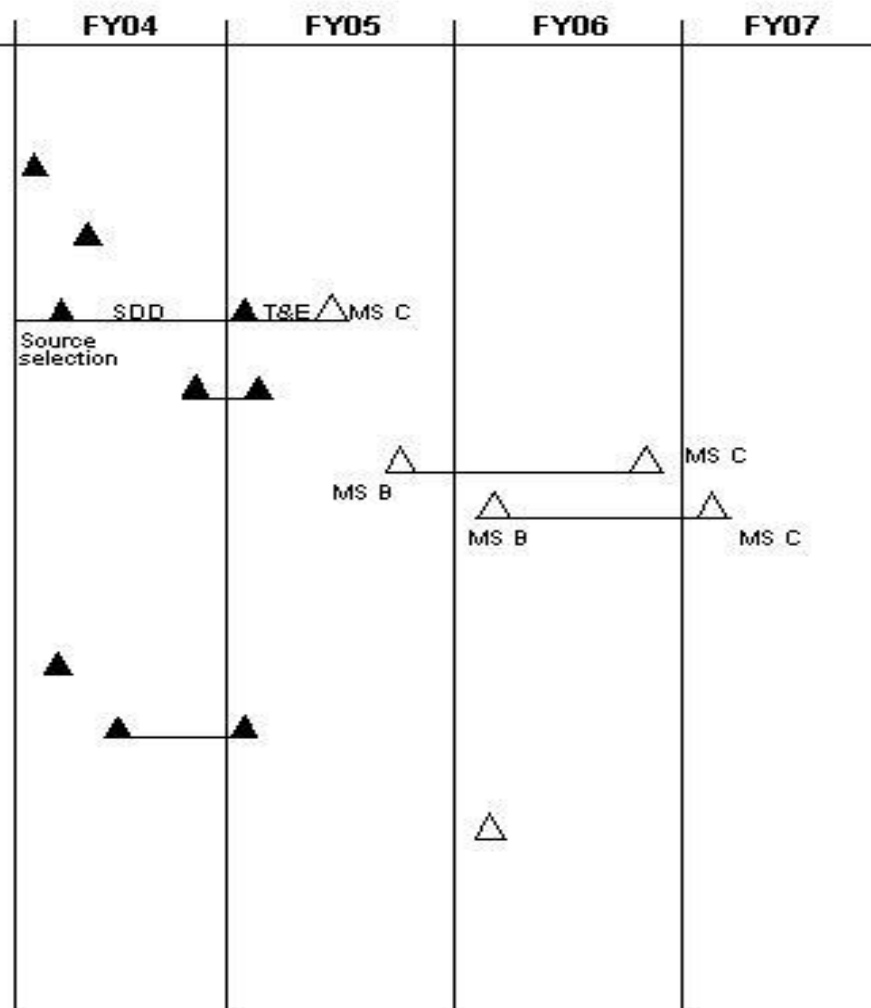
- Completed Deployable Oxygen Gaseous Oxygen Generator (DOGS) limited procurement (40 units)
- Completed Next-generation Patient Therapeutic Liquid Oxygen (NPTLOX) limited procurement (25 units)
- Deployable Liquid Oxygen System (DOLS) prototype development
- Conduct analysis of solutions for oxygen systems to meet deployable oxygen requirements
 - Small oxygen generator and storage unit
 - Medium oxygen generator and storage unit
 - Large oxygen generator and storage unit (MS B, 2Q FY08)

NANO-TECHNOLOGY TO PRODUCE STERILE WATER

- Award Technology Insertion Agreement (TIA)
- Deliver 50 Combat Straws and conduct Military Utility Assessment

EXPEDITIONARY TRAUMA RESUSCITATION

- Conduct MS B/C decision based on technology maturation



UNCLASSIFIED

Exhibit R-4a, RDT&E Schedule Detail

DATE

February 2005

BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0604617F Agile Combat Support

PROJECT NUMBER AND TITLE

4910 Aeromedical Readiness

(U) <u>Schedule Profile</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) DEPLOYABLE OXYGEN SYSTEMS				
(U) -Completed Deployable Gaseous Oxygen Generator (DOGS) limited production	1Q			
(U) -Completed Next-generation Patient Therapeutic Liquid Oxygen (NPTLOX) production	2Q			
(U) -Began Deployable Oxygen Liquification System (DOLS) prototype development	2Q			
(U) -Complete DOLS prototype development		1Q		
(U) -Conduct concept analyses for development of oxygen systems to meet deployment requirements	4Q			
(U) -Conduct Milestone B for small oxygen generator and storage unit		3Q		
(U) -Conduct Milestone C for small oxygen generator and storage unit				4Q
(U) -Conduct Milestone B for medium oxygen generator and storage unit			1Q	
(U) -Conduct Milestone C for medium oxygen generator and storage unit				1Q
(U) NANO-TECHNOLOGY TO PRODUCE STERILE WATER				
(U) -Began Technology Insertion Agreement (TIA) for Nano-Technology to produce sterile water	1Q			
(U) -Complete Technology Insertion Agreement (TIA) for Nano-Technology to produce sterile water		2Q		
(U) EXPEDITIONARY TRAUMA RESUSCITATION				
(U) -Conduct Milestone B/C decision dependent upon technology maturation			1Q	