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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force **DATE:** February 2012

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)				PE 0604617F: Agile Combat Support							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	34.037	7.978	13.059	-	13.059	16.750	18.595	16.657	14.718	Continuing	Continuing
652895: CE Readiness	29.281	4.258	10.098	-	10.098	13.750	15.533	13.509	11.528	Continuing	Continuing
654910: Aeromedical Readiness	4.756	3.720	2.961	-	2.961	3.000	3.062	3.148	3.190	Continuing	Continuing

Note

In FY13, Project 652895 contains one New Start effort for Airfield Damage Repair Unexploded Ordnance (UXO) Removal.

A. Mission Description and Budget Item Justification

This Program Element (PE) provides capabilities to rapidly deploy, defend and sustain airfield operations, command and control activities, and force protection 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 providing the ability to quickly establish operations, security, and base defense in support of numerous global contingencies, including various humanitarian/relief efforts, and special operations throughout the world.

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

B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	37.987	11.878	10.490	-	10.490
Current President's Budget	34.037	7.978	13.059	-	13.059
Total Adjustments	-3.950	-3.900	2.569	-	2.569
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-3.900			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.956	-			
• Other Adjustments	-2.994	-	2.569	-	2.569

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<u>Change Summary Explanation</u> FY11 adjustments include -\$2.800 Congressional Directed Reductions, -\$.194 Congressional General Reductions and -.956 SBIR FY12 -\$3.9M Congressional Directed Reductions on the Basic Expeditionary Airfield resources (BEAR) effort FY13 \$2.5M increase provides funding for the Airfield Damage Repair Unexploded Ordnance (UXO) effort identified in Project 652895.		

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Air Force								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604617F: Agile Combat Support				PROJECT 652895: CE Readiness			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
652895: CE Readiness	29.281	4.258	10.098	-	10.098	13.750	15.533	13.509	11.528	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
Note											
FY12 \$3.9M reduction mark against the Basic Expeditionary Airfield resources (BEAR)											
FY13, Project 652895 contains one New Start effort for Airfield Damage Repair Unexploded Ordnance (UXO) Removal.											
A. Mission Description and Budget Item Justification											
This project provides capabilities to rapidly deploy, defend and sustain airfield operations, command and control activities, and force protection to ensure readiness. These activities are prerequisites to establishing air superiority. Also, this project provides 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. Lighter-weight, rapidly deployable equipment has become essential in providing the ability to quickly establish operations, security, and base defense in support of numerous global contingencies, including various humanitarian/relief efforts, and special operations throughout the world.											
The Civil Engineering Readiness program is in RDT&E Budget Activity 5 - Engineering and Manufacturing Development (EMD) because it supports development, test, and evaluation of materials and equipment for contingency basing, detection and handling of explosive ordnance, and tactical shelters.											
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2011	FY 2012	FY 2013	
Title: Airfield Damage Repair								2.771	4.258	7.598	
Description: Develop, test and certify equipment for the rapid repair of runway and airfield damage after attack.											
FY 2011 Accomplishments: Initiated test and certification of equipment, tactics, techniques and procedures for the rapid repair of runway and airfield damage after attack.											
FY 2012 Plans: Continue test and certification of equipment, tactics, techniques and procedures for the rapid repair of runway and airfield damage after attack.											
FY 2013 Plans:											

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2011	FY 2012	FY 2013
Continue test and certification of equipment, tactics, techniques and procedures for the rapid repair of runway and airfield damage after attack.				
Title: Airfield Damage Repair Unexploded Ordnance Removal Description: Provide the capability to rapidly mitigate UXOs on damaged airfields after attack to support sortie generation. FY 2011 Accomplishments: Not applicable FY 2012 Plans: Not applicable FY 2013 Plans: Initiate development of a capability to rapidly mitigate UXOs on damaged airfields after attack to support sortie generation.		-	-	2.500
Title: Explosives Ordnance Disposal (EOD) Description: Develop, test, evaluate and/or certify equipment that will improve the Air Force Explosive Ordnance Disposal (EOD) technician's ability to respond, assess, neutralize/render safe and dispose of all types of ordnance, to include conventional and unconventional, chemical, biological, nuclear, Improvised Explosive Devices (IEDs) and Weapons of Mass Destruction (WMD). FY 2011 Accomplishments: Initiated integration of the counter-IED Hand-Held Detection Device audio capability into the EOD bomb suit. FY 2012 Plans: Not Applicable FY 2013 Plans: Not applicable.		1.510	-	-
Title: Joint Concept Technology Demonstration (JCTD) Description: Facilities Study. Cost benefit analysis and recommended set of solutions addressing facilities vulnerabilities. FY 2011 Accomplishments: Complete selection and field testing of a representative sample of current technologies and products to harden or otherwise make resilient, including pipelines, fuel and water storage, electrical power grid, communications nodes, and munitions storage. FY 2012 Plans:		25.000	-	-

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B. Accomplishments/Planned Programs (\$ in Millions)							FY 2011	FY 2012	FY 2013		
Not Applicable											
FY 2013 Plans: Not applicable.											
Accomplishments/Planned Programs Subtotals							29.281	4.258	10.098		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• 59: <i>PE 0208028F, Other Procurement, AF (OPAF), Other Base and Maintenance Support, Airbase Operability</i>	43.799	34.854	5.358	0.000	5.358	21.939	46.596	32.629	33.656	Continuing	Continuing
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.											
E. Performance Metrics											
Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.											

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Air Force			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604617F: <i>Agile Combat Support</i>	PROJECT 652895: <i>CE Readiness</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Test and certfy equipment to support expedient airfield damage repair after attack	4	2011	2	2014
Engineering and Manufacturing Development for Airfield Damage Repair Unexploded Ordnance Removal	2	2013	3	2017
Integrate Hand-Held Detection Device Audio into EOD Bomb Suit	2	2012	4	2012
Facilities Study JCTD	3	2011	4	2012

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COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
654910: Aeromedical Readiness	4.756	3.720	2.961	-	2.961	3.000	3.062	3.148	3.190	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
Note The Blood Oxygenation System identified in the FY12 Budget Item Justification Documents was terminated due to technology immaturity.											
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. Current efforts include the Deployable Oxygen System (DOS), Field Intravenous Reconstitution (FIVR), and the Blood Oxygenation System (BOS) programs. The Aeromedical Readiness program is in RDT&E Budget Activity 5 - Engineering and Manufacturing Development (EMD) because it supports development, testing, and evaluation of systems and equipment for patient care during contingency operations and aeromedical evacuations.											
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2011	FY 2012	FY 2013	
Title: Deployable Oxygen System (DOS) Description: Development of oxygen systems to meet deployable oxygen requirements FY 2011 Accomplishments: Continued development of oxygen systems to meet deployable oxygen requirements FY 2012 Plans: Continue development of oxygen systems to meet deployable oxygen requirements FY 2013 Plans: Continue development of oxygen systems to meet deployable oxygen requirements								0.033	0.870	2.385	
Title: Field Intravenous Reconstitution (FIVR) Description: EMD of FIVR for Expeditionary Trauma Resuscitation (ETR) FY 2011 Accomplishments: Continue EMD of FIVR for ETR FY 2012 Plans:								4.723	2.850	0.576	

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B. Accomplishments/Planned Programs (\$ in Millions)							FY 2011		FY 2012		FY 2013	
Continue EMD of FIVR for ETR												
FY 2013 Plans: Continue EMD of FIVR for ETR												
Accomplishments/Planned Programs Subtotals							4.756		3.720		2.961	
C. Other Program Funding Summary (\$ in Millions)												
Line Item		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• Not Applicable: N/A		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
D. Acquisition Strategy All major projects are awarded under best-value competitive solicitation.												
E. Performance Metrics Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.												

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Air Force			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604617F: Agile Combat Support	PROJECT 654910: Aeromedical Readiness	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Engineering and Manufacturing Development Phase for the Deployable Oxygen Generator System - Small	3	2012	2	2016
Continue Engineering and Manufacturing Development Phase for the Field Intravenous Reconstitution System	1	2011	3	2016