Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force

R-1 ITEM NOMENCLATURE

3600: Research, Development, Test & Evaluation, Air Force

PE 0207697F: Distributed Training and Exercises

DATE: April 2013

BA 7: Operational Systems Development

APPROPRIATION/BUDGET ACTIVITY

	•											
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	3.147	4.425	3.301	-	3.301	4.513	4.438	4.213	4.289	Continuing	Continuing
675042: Log Application Logisitics Integration (LALI)	-	0.523	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
675190: JFCOM Wargaming	-	2.624	4.425	3.301	-	3.301	4.513	4.438	4.213	4.289	Continuing	Continuing

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

A. Mission Description and Budget Item Justification

In September 03, the AF/CV directed the establishment of funding to increase participation in joint transformation activities including joint concept development and experimentation and joint Doctrine, Organization, Training, Material, Leadership & Education, Personnel & Facilities (DOTMLPF) recommendations. Air Force A5XS ensures accurate representation of air, space and cyber space capabilities in joint activities, through modeling and simulation and wargaming activities. The primary activity this is accomplished with is the Chief of Staff of the United States Air Force's Unified Engagement (UE) wargame series. UE is a two cycle of plan, execute, analyze and report of activities that include workshops, seminars, capstone event, senior leader seminar, and Building Partnership Capacity events. The capstone event includes over 400 Joint, other Agency, and coalition partners supported by cutting edge technology. The Wargaming Environment (WIE) evolves with each UE game cycle and is made up of three main parts GamePoint, ViewPoint, and Modeling and Simulation Tools. GamePoint provides the latest collaboration and information throughout and during the wargame and associated events. ViewPoint provides users a simple method to visually view the information and conduct their own analysis. Modeling and Simulation provides integration of the latest modeling, simulation and analysis tools and also the infrastructure to support the WIE. This program is categorized in Budget Activity (BA) 07 because it supports the development efforts of operational systems.

B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	3.147	4.417	0.000	-	0.000
Current President's Budget	3.147	4.425	3.301	-	3.301
Total Adjustments	0.000	0.008	3.301	-	3.301
Congressional General Reductions	-	0.000			
 Congressional Directed Reductions 	-	0.000			
 Congressional Rescissions 	0.000	0.000			
 Congressional Adds 	-	0.000			
 Congressional Directed Transfers 	-	0.000			
 Reprogrammings 	0.000	0.000			
SBIR/STTR Transfer	0.000	0.000			
Other Adjustments	0.000	0.008	3.301	-	3.301

PE 0207697F: Distributed Training and Exercises Air Force

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^{##} The FY 2014 OCO Request will be submitted at a later date

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0207697F: Distributed Training and Exerci	ises
<u>Change Summary Explanation</u> FY14 funding increased to provide wargaming operations capal	bilities.	

PE 0207697F: *Distributed Training and Exercises* Air Force

APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207697F: Distributed Training and Exercises				PROJECT 675042: Log Application Logisitics Integration (LALI)				
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
675042: Log Application	-	0.523	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing (Continuing

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force

A. Mission Description and Budget Item Justification

Description/Justification for Logistics Application/Logistics Integration (LALI) located in BPAC 675042 PE 0708611F.

0

FY12 \$523K for LALI incorrectly aligned to PE 0207697F and will be realigned during execution.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2012	FY 2013	FY 2014	
Title: Log Application Logisitics Integration (LALI)	0.523	0.000	0.000	
Description: Logistics Application Logistics Integration (LALI) funding provides development in support of the Air Force logistics transformation initiative for the 21st century, eLog21.				
FY 2012 Accomplishments: Support AF Logistics business process transformation (eLog21) initiatives through Business Intelligence (BI)capabilities (reports, predictive analyses, what-if analyses, etc).				
Accomplishments/Planned Programs Subtotals	0.523	0.000	0.000	

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

N/A

Remarks

D. Acquisition Strategy

Logisitics Integration (LALI)

Quantity of RDT&E Articles

LALI projects will be competively acquired using a variety of fixed price and cost plus contracts.

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.

PE 0207697F: Distributed Training and Exercises Air Force

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DATE: April 2013

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^{*}FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

Exhibit R-3, RDT&E	Project Co	ost Analysis: PB	2014 Air F	orce								DATE	: April 20	13	
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development						R-1 ITEM NOMENCLATURE PE 0207697F: Distributed Training and Exercises PROJECT 675042: Log Application Logisitics Integration (LALI)									
Product Development (\$ in Millions)				FY 2	2012	FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contrac
LALI	C/CPFF	TBD:Arlington, VA	-	0.523	Sep 2012	0.000		0.000		-		0.000	Continuing	Continuing	
		Subtotal	0.000	0.523		0.000		0.000		0.000		0.000			
Support (\$ in Million	ns)			FY 2	2012	FY 2	2013	FY 2	-	FY 2		FY 2014 Total			
	Contract				Assessed		Award		Award		Award		Cost To	Total	Target Value o
Cost Category Item	Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Date	Cost	Date	Cost	Date	Cost	Complete	Cost	Contract
Cost Category Item			- 1	Cost 0.000	Date	Cost 0.000	Date	Cost 0.000		Cost 0.000		0.000		Cost 0.000	Contrac
	& Type	Activity & Location Subtotal	Years		Date		Date		Date		Date 2014				Contrac
	& Type	Activity & Location Subtotal ons) Performing Activity & Location	Years 0.000 All Prior Years	0.000 FY 2	Date 2012 Award Date	0.000 FY 2	Date	0.000 FY 2 Bas	Date	0.000 FY 2 OC	Date 2014	0.000 FY 2014 Total Cost	0.000 Cost To Complete	Total Cost	O.00 Target Value of Contract
Test and Evaluation Cost Category Item	& Type (\$ in Milli Contract Method & Type	Activity & Location Subtotal Ons) Performing Activity & Location Subtotal	Years 0.000	0.000 FY 2	Date 2012 Award Date	0.000 FY 2	Date 2013 Award Date	0.000 FY 2 Ba	O14 se Award Date	0.000 FY 2 OC	Date 2014 CO Award Date	0.000 FY 2014 Total	0.000 Cost To Complete	0.000	O.000 Target Value of
Test and Evaluation	& Type (\$ in Milli Contract Method & Type	Activity & Location Subtotal Ons) Performing Activity & Location Subtotal	Years 0.000 All Prior Years	0.000 FY 2 Cost 0.000	Date 2012 Award Date	0.000 FY 2 Cost 0.000	Date 2013 Award Date	0.000 FY 2 Ba: Cost 0.000	O14 se Award Date	0.000 FY 2 OC Cost 0.000	Date 2014 CO Award Date	0.000 FY 2014 Total Cost 0.000 FY 2014	0.000 Cost To Complete	Total Cost	
Test and Evaluation Cost Category Item Management Service	(\$ in Milli Contract Method & Type es (\$ in M Contract Method	Activity & Location Subtotal Ons) Performing Activity & Location Subtotal illions) Performing	All Prior Years 0.000	0.000 FY 2 Cost 0.000	Date 2012 Award Date 2012 Award	0.000 FY 2 Cost 0.000 FY 2	Date 2013 Award Date 2013 Award	0.000 FY 2 Ba: Cost 0.000 FY 2 Ba:	Date 014 se Award Date 014 se Award	0.000 FY 2 OC Cost 0.000 FY 2	Date 2014 CO Award Date 2014 CO Award	0.000 FY 2014 Total Cost 0.000 FY 2014 Total	Cost To Complete 0.000 Cost To Complete	Total Cost 0.000	Target Value of Contrac 0.00 Target Value of Contrac Contrac Contrac Contrac
Test and Evaluation Cost Category Item Management Service	(\$ in Milli Contract Method & Type es (\$ in M Contract Method	Activity & Location Subtotal Ons) Performing Activity & Location Subtotal illions) Performing Activity & Location	All Prior Years 0.000 All Prior Years	0.000 FY 2 Cost 0.000 FY 2	Date 2012 Award Date 2012 Award Date	0.000 FY 2 Cost 0.000 FY 2	Date 2013 Award Date 2013 Award Date	0.000 FY 2 Base Cost 0.000 FY 2 Base Cost	Date 014 se Award Date 014 se Award Date	0.000 FY 2 OC Cost 0.000 FY 2 OC Cost	Date 2014 CO Award Date 2014 CO Award Date	0.000 FY 2014 Total Cost 0.000 FY 2014 Total Cost	Cost To Complete 0.000 Cost To Complete	Total Cost 0.000 Total Cost	Target Value of Contrac

PE 0207697F: *Distributed Training and Exercises* Air Force

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force DATE: April 2013 APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE **PROJECT** 3600: Research, Development, Test & Evaluation, Air Force PE 0207697F: Distributed Training and 675190: JFCOM Wargaming BA 7: Operational Systems Development Exercises FY 2014 **All Prior** FY 2014 FY 2014 Cost To Total COST (\$ in Millions) OCO ## FY 2012 | FY 2013# Base Total FY 2015 FY 2016 FY 2017 FY 2018 | Complete Years Cost 4.289 Continuing Continuing 675190: JFCOM Wargaming 2.624 4.425 3.301 3.301 4.513 4.438 4.213 0 Quantity of RDT&E Articles 0 0 0

A. Mission Description and Budget Item Justification

In September 03, the AF/CV directed the establishment of funding to increase participation in joint transformation activities including joint concept development and experimentation and joint Doctrine, Organization, Training, Material, Leadership & Education, Personnel & Facilities (DOTMLPF) recommendations. Air Force A5XS ensures accurate representation of air, space and cyber space capabilities in joint activities, through modeling and simulation and wargaming activities. The primary activity this is accomplished with is the Chief of Staff of the United States Air Force's Unified Engagement (UE) wargame series. UE is a two cycle of plan, execute, analyze and report of activities that include workshops, seminars, capstone event, senior leader seminar, and Building Partnership Capacity events. The capstone event includes over 400 Joint, other Agency, and coalition partners supported by cutting edge technology. The Wargaming Environment (WIE) evolves with each UE game cycle and is made up of three main parts GamePoint, ViewPoint, and Modeling and Simulation Tools. GamePoint provides the latest collaboration and information throughout and during the wargame and associated events. ViewPoint provides users a simple method to visually view the information and conduct their own analysis. Modeling and Simulation provides integration of the latest modeling, simulation and analysis tools and also the infrastructure to support the WIE.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2012	FY 2013	FY 2014
Title: MAJOR THRUST 1	0.918	2.301	1.665
Description: Develop air, space and cyber space wargaming specific functionality in existing modeling and simulation and analysis tools and integrate into the latest version of the WIE.			
FY 2012 Accomplishments: Develops air and space wargaming specific functionality in existing simulation and analysis tools (e.g., JWARS, THUNDER/STORM)			
FY 2013 Plans: Develops air and space wargaming specific functionality in existing simulation and analysis tools (e.g., JWARS, THUNDER/STORM)			
FY 2014 Plans:			

PE 0207697F: Distributed Training and Exercises

Air Force

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^{*} FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force		DATE:	April 2013	
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development	PROJECT 675190: JFCOM Wargaming			
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
Develops air and space wargaming specific functionality in existing sim STORM)	nulation and analysis tools (e.g., JWARS, THUNDER	N .		
Title: MAJOR THRUST 2		0.684	1.000	0.800
Description: Provides for capabilities, Requirements, and Risk Assess	sment (CRRA)			
FY 2012 Accomplishments: Provides for Capabilities, Requirements, and Risk Assessment (CRRA	N)			
FY 2013 Plans: Provides for Capabilities, Requirements, and Risk Assessment (CRRA	\)			
FY 2014 Plans: Provides for Capabilities, Requirements, and Risk Assessment (CRRA	N)			
Title: MAJOR THRUST 3		0.622	0.700	0.541
Description: Enables entity-level simulation tools and effects-based members by Experimentation	nodeling for Joint Concept Development and			
FY 2012 Accomplishments: Enables entity-level simulation tools and effects-based modeling for Jo	oint Concept Development and Experimentation			
FY 2013 Plans: Enables entity-level simulation tools and effects-based modeling for Jo	oint Concept Development and Experimentation			
FY 2014 Plans: Enables entity-level simulation tools and effects-based modeling for Jo	oint Concept Development and Experimentation			
Title: MAJOR THRUST 4		0.400	0.424	0.295
Description: Supplies platforms for software in operational environme	nts and for programmed replacement costs			
FY 2012 Accomplishments: Enables entity-level simulation tools and effects-based modeling for Jo	oint Concept Development and Experimentation			
FY 2013 Plans: Enables entity-level simulation tools and effects-based modeling for Jo	oint Concept Development and Experimentation			
FY 2014 Plans:				

PE 0207697F: *Distributed Training and Exercises* Air Force

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force	DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
3600: Research, Development, Test & Evaluation, Air Force	PE 0207697F: Distributed Training and	675190: <i>JF</i>	COM Wargaming
BA 7: Operational Systems Development	Exercises		

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2012	FY 2013	FY 2014
Enables entity-level simulation tools and effects-based modeling for Joint Concept Development and Experimentation			
Accomplishments/Planned Programs Subtotals	2.624	4.425	3.301

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

N/A

Remarks

Air Force

D. Acquisition Strategy

Unified Engagement (UE) Wargame Information Environment (WIE) support: The WIE is a continually evolving system that is a deployable standalone Local Area Network (LAN) with servers and laptops that host applications to support virtual battlespace collaboration, decision making, and three dimensional visualizations. Behind these applications are cutting edge technologies and database architectures from both commercial off the shelf and government developed software that assures relevance to the UE Wargame. The modeling, simulation, and analysis applications allow UE participants, adjudicators, and control team members to effectively and efficiently create UE Report with tested concepts and conclusions to improve our future Air Force to the CSAF biannually. The current version of the WIE is 2.5 and 3.0 is to be released is Dec 2013 which coincides with Unified Engagement Wargame capstone event which occurs every 2 years. Risks are low in the research, development, and test of the WIE because of the iterative nature in the design and development of the system.

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.

PE 0207697F: Distributed Training and Exercises

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DATE: April 2013 Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force APPROPRIATION/BUDGET ACTIVITY **R-1 ITEM NOMENCLATURE PROJECT** 3600: Research, Development, Test & Evaluation, Air Force PE 0207697F: Distributed Training and 675190: JFCOM Wargaming BA 7: Operational Systems Development Exercises FY 2014 FY 2014 FY 2014 **Product Development (\$ in Millions)** FY 2012 FY 2013 Base oco Total Contract Target Method Performing All Prior Award Award Award Award **Cost To** Total Value of **Cost Category Item** & Type Activity & Location Years Cost Date Date Cost Date Cost Date Complete Contract Cost Cost Cost C/CPFF TBD:TBD 2.624 Nov 2012 4.425 Nov 2013 3.301 Nov 2013 3.301 Continuing Continuing TBD Various Subtotal 0.000 2.624 4.425 3.301 0.000 3.301 FY 2014 FY 2014 FY 2014 Support (\$ in Millions) oco Total FY 2012 FY 2013 Base Contract Target Method All Prior Value of Performing Award Award Award Award Cost To Total **Cost Category Item** & Type **Activity & Location** Years Cost Date Cost Date Cost Date Cost Date Cost Complete Cost Contract Subtotal 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 FY 2014 FY 2014 FY 2014 Test and Evaluation (\$ in Millions) FY 2012 FY 2013 Base oco Total Contract Target **Cost To** Method Performing All Prior Award Award Award Award Total Value of Cost **Cost Category Item** & Type **Activity & Location** Years Cost Date Cost Date Cost Date Cost Date Complete Cost Contract 0.000 0.000 0.000 0.000 0.000 0.000 Subtotal 0.000 0.000 0.000 FY 2014 FY 2014 FY 2014 Management Services (\$ in Millions) oco FY 2012 FY 2013 Base Total Contract Target Method Performing All Prior Award Award Award Award **Cost To** Total Value of **Cost Category Item** & Type **Activity & Location** Years Cost Date Cost Date Cost Date Cost Date Cost Complete Cost Contract Subtotal 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

Remarks

Note: Unified Engagement (UE) Wargame Information Environment (WIE): Funding is for a continuous series of updates and modifications to a continually evolving system that is a deployable standalone Local Area Network(LAN)which includes modeling, simulation, and analysis applications.

FY 2012

2.624

There are no Articles published as a result, however there are reports that are produced and sent to the CSAF biannually.

Project Cost Totals

All Prior

Years

0.000

PE 0207697F: Distributed Training and Exercises

Air Force

FY 2013

4.425

R-1 Line #166

FY 2014

oco

0.000

FY 2014

Total

3.301

Cost To

Complete

Total

Cost

FY 2014

Base

3.301

Target

Value of

Contract

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Exhibit R-4, RDT&E Schedule Profile: Pl	B 2014 Air Force						DATE: A	April 2013	
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Eva BA 7: Operational Systems Development		MENCLATURE : Distributed Trail	ning and	PROJECT 675190: <i>JF</i> 6	CT : JFCOM Wargaming				
JFCOM Wargaming									
	FY12	FY13	FY14	FY15	FY16	FY1	L7	FY18	
Tool Development									
Develop & Integrate M&S Tools						A. B. K.	0.		
Enhance ViewPoint						A. I. A.			1
			12		12	- 1		12	1
Enhance Gamepoint			ia a			A. A			
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PE 0207697F: *Distributed Training and Exercises* Air Force

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE PROJECT

3600: Research, Development, Test & Evaluation, Air Force PE 0207697F: Distributed Training and 675190: JFCOM Wargaming

BA 7: Operational Systems Development Exercises

Schedule Details

	Start		End		
Events	Quarter	Year	Quarter	Year	
Tool Development	1	2012	4	2018	
Develop and Integrate M&S Tools	1	2012	4	2018	
Enhance ViewPoint	1	2012	4	2018	
Improve GamePoint	1	2012	4	2018	

PE 0207697F: *Distributed Training and Exercises* Air Force