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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 0207605F: Wargaming and Simulation Centers							
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	-	5.617	5.699	5.512	-	5.512	6.031	6.146	6.124	6.233	Continuing	Continuing
672888: Distributed Mission Operations Center (DMOC)	-	5.617	5.699	5.512	-	5.512	6.031	6.146	6.124	6.233	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		

[#] 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

A. Mission Description and Budget Item Justification

The United States Air Force (USAF) Distributed Mission Operations Center (DMOC) is an Air Combat Command, USAF Warfare Center, 505th Command and Control Wing (505th CCW) organization. It provides joint interoperability training and testing to geographically separated Live, Virtual, and Constructive (LVC) assets--real-world weapon systems, operator-in-the-loop, and computer-driven simulations. Responsibilities include: development and integration of Distributed Mission Operations (DMO) training and test events, networks, scenarios, and databases in support of service, joint, and coalition warfighters. Activities also include studies and analysis to support both current program planning and execution and future program planning.

DMOC is the lead integrator for Air Force DMO and virtual contributions to the Joint National Training Capability (JNTC). Additionally, DMOC is the lead agency for Virtual Flag (VF) exercises and the DMO Multi-Level Security (MLS)/Cross-Domain Solution (CDS) testbed.

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.

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B. Program Change Summary (\$ in Millions)		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget		5.779	5.699	5.762	-	5.762
Current President's Budget		5.617	5.699	5.512	-	5.512
Total Adjustments		-0.162	0.000	-0.250	-	-0.250
• 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		-0.162	0.000			
• Other Adjustments		0.000	0.000	-0.250	-	-0.250
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2012	FY 2013	FY 2014
Title: Distributed Mission Operations (DMO) Capability / Battlespace Systems Development (Mission Rehearsal)				3.306	3.420	3.208
Description: Simulation software / hardware development in support of users conducting RDT&E, mission rehearsal, and concepts of operation development.						
FY 2012 Accomplishments: Enhanced Red and Blue Air/Ground simulators, initial testing of virtual Contested Degraded Operations (CDO), integrated virtual datalink infrastructure, and enhanced simulator interoperability.						
FY 2013 Plans: Continuing enhancements of Red and Blue Air/Ground/Sea simulators and DMO interoperability tools, development of virtual CDO, and high side operations environment expansion.						
FY 2014 Plans: Will continue enhancements of Red and Blue Air/Ground/Sea simulators and DMO interoperability tools, development of virtual CDO, and high side operations environment expansion.						
Title: Certification & Accreditation (C&A) and Networkiness (V, V&A)				0.867	0.855	0.864
Description: Support requirements definition, test support, scenario development, analysis, systems engineering support, and C&A and Networkiness of core systems.						
FY 2012 Accomplishments:						

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
Initiated the C&A of the Distributed Training Network Guard (DTNG), a DMOC/NAVAIR partnership program. Accomplished some accreditation work for the DMOC Replay Tool, Multinational Information Sharing (MNIS) rule set, and Distributed Interactive Simulation (DIS) Filter. FY 2013 Plans: Continuing C&A efforts for DTNG and other emerging requirements based on technology changes. FY 2014 Plans: Will continue C&A efforts for emerging requirements based on technology changes.				
Title: Distributed Training Sites & Systems Integration (DMOC Ops) Description: Establish site/system integration / interoperability between DMOC, operational units, and modeling & simulation facilities. FY 2012 Accomplishments: Integrated external simulators into DMO events and resolved interoperability issues. Enabled first ever integration of weapons systems/trainers for Air Interdiction of Maritime Targets (AIMT) training. FY 2013 Plans: Continuing to integrate new sites and systems into DMO events and resolve interoperability issues. Expand Air Sea Battle distributed training capability. Respond to emerging USAF, Joint, COCOM, and Coalition requirements. FY 2014 Plans: Will continue to integrate new sites and systems into DMO events and resolve interoperability issues based on emerging USAF, Joint, COCOM, and Coalition requirements.		0.884	0.872	0.881
Title: Program Management Administrative/Office (PMA/PMO) Support Description: PMO support costs include travel, supplies, facility sustainment, and support of the Comprehensive Cost and Requirements (CCaR) System, all of which are necessary costs to execute DMOC's three major efforts. FY 2012 Accomplishments: PMO support included travel, supplies, facility sustainment, and support of the Comprehensive Cost and Requirements (CCaR) System, all of which are necessary costs to execute DMOC/s three major efforts. FY 2013 Plans:		0.560	0.552	0.559

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013
PMO support includes travel, supplies, facility sustainment, and support of the Comprehensive Cost and Requirements (CCaR) System, all of which are necessary costs to execute DMOC's for three major efforts.			
FY 2014 Plans: Will continue PMO support to include travel, supplies, facility sustainment, and support of the Comprehensive Cost and Requirements (CCaR) System, all of which are necessary costs to execute DMOC's three major efforts.			
Accomplishments/Planned Programs Subtotals		5.617	5.699
D. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
E. Acquisition Strategy The Distributed Mission Operations Center (DMOC) supports AF/Joint/Coalition DMO and the Joint National Training Capability (JNTC) through the development and integration of DMO training and test events, networks, scenarios, and databases. Due to ever-changing modeling & simulation technology, the DMOC is an on-going, evolutionary effort to keep pace with those changes by continuously developing/upgrading DMO environment generators, systems, and tools and ensuring integration/interoperability of new systems (i.e. 5th Gen Fighter) into DMO to provide the best warfighter training possible. DMOC awards full and open contracts that manage the acquisition, development, testing, and integration of DMO standards, training, modeling and simulation, multi-level security testbed, and exercises on Air Force and Joint DMO networks.			
F. 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-3, RDT&E Project Cost Analysis: PB 2014 Air Force												DATE: April 2013			
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Product Development (\$ in Millions)				FY 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 Contract
Distributed Mission Operations (DMO) Capability / Battlespace Systems Development (Mission Rehearsal)	C/CPFF	Lockheed Martin:Kirtland AFB, NM	-	2.612	Mar 2012	2.736	Mar 2013	2.516	Mar 2014	-		2.516	Continuing	Continuing	TBD
Certification & Accreditation (C&A) and Networthiness (V, V&A)	C/CPFF	Lockheed Martin:Kirtland AFB, NM	-	0.694	Mar 2012	0.684	Mar 2013	0.692	Mar 2014	-		0.692	Continuing	Continuing	TBD
Distributed Training Sites & Systems Integration (DMOC Ops)	C/CPFF	Lockheed Martin:Kirtland AFB, NM	-	0.278	Mar 2012	0.274	Mar 2013	0.277	Mar 2014	-		0.277	Continuing	Continuing	TBD
Subtotal			0.000	3.584		3.694		3.485		0.000		3.485			
Support (\$ in Millions)				FY 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 Contract
Technical requirements development, integration/ acceptance testing, and engineering support	C/CPFF	Modern Technology Solutions, Inc.:Kirtland AFB, NM	-	1.473	Sep 2012	1.453	Sep 2013	1.469	Sep 2014	-		1.469	Continuing	Continuing	TBD
Subtotal			0.000	1.473		1.453		1.469		0.000		1.469			
Test and Evaluation (\$ in Millions)				FY 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 Contract
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000

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Management Services (\$ in Millions)				FY 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 Contract
Program Management Office Support	Various	705 CTS:Kirtland AFB, NM	-	0.560	Oct 2011	0.552	Oct 2012	0.558	Oct 2013	-		0.558	Continuing	Continuing	TBD
Subtotal			0.000	0.560		0.552		0.558		0.000		0.558			

	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	5.617	5.699	5.512	0.000	5.512			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: 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 0207605F: *Wargaming and Simulation Centers*

PROJECT

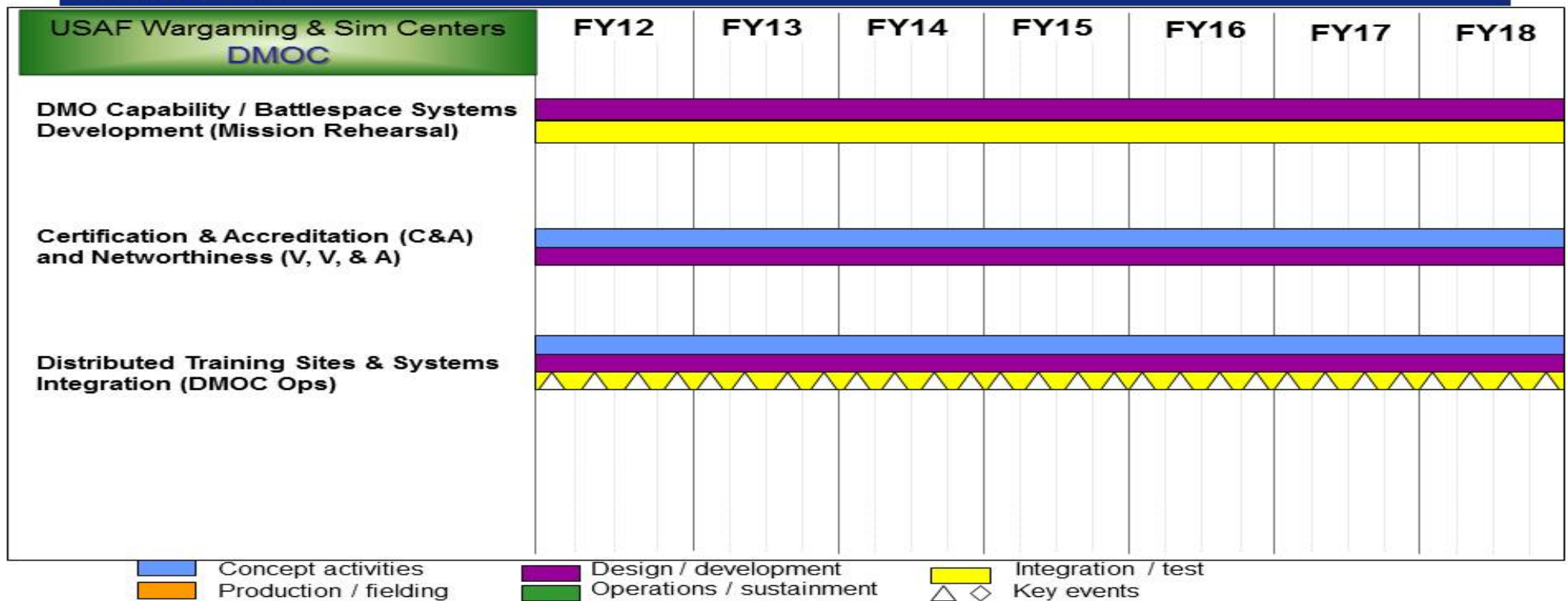
672888: *Distributed Mission Operations Center (DMOC)*



PE 27605F – Wargaming & Sim Centers

Distributed Mission Operations Center (672888) Schedule

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force			DATE: April 2013
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
DMO Capability / Battlespace Systems Development (Mission Rehearsal)	1	2012	4	2018
Certification & Accreditation (C&A) and Networthiness (V, V, & A)	1	2012	4	2018
Distributed Training Sites & Systems Integration (DMOC Ops)	1	2012	4	2018