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

APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0207605F: <i>Wargaming and Simulation Centers</i>
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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
Total Program Element	5.829	5.779	5.699	-	5.699	5.762	5.881	6.046	6.124	Continuing	Continuing
672888: <i>Distributed Mission Operations Center (DMOC)</i>	5.829	5.779	5.699	-	5.699	5.762	5.881	6.046	6.124	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

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 (OITL), 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.

B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	6.020	5.779	5.594	-	5.594
Current President's Budget	5.829	5.779	5.699	-	5.699
Total Adjustments	-0.191	-	0.105	-	0.105
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.160	-			
• Other Adjustments	-0.031	-	0.105	-	0.105

Change Summary Explanation

In FY11: Adjustment for Congressional General Reduction (\$.031M) shown in Other Adjustments Row.

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FY13 funding decrease is due to higher Department of Defense priorities.

C. Accomplishments/Planned Programs (\$ in Millions)

	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
<p>Title: Mission Rehearsal</p> <p>Description: Continue to maintain core structure to support users conducting RDT&E, mission rehearsal, and concepts of operation development</p> <p>FY 2011 Accomplishments: Developed Red and Blue Air/Ground simulations and integrated ISR and Close Air Support (CAS) simulators.</p> <p>FY 2012 Plans: Continue to develop Red and Blue Air/Ground simulations, degraded ops, and integrate ISR, SOF, and Close Air Support (CAS) simulators; continue high side operations environment expansion.</p> <p>FY 2013 Base Plans: Will continue to develop Red and Blue Air/Ground simulations, degraded ops, and integrate ISR, SOF, and Close Air Support (CAS) simulators; will continue high side operations environment expansion.</p> <p>FY 2013 OCO Plans: N/A</p>	2.582	2.526	2.544	-	2.544
<p>Title: V,V & A</p> <p>Description: Continue to support requirements definition, test support, scenario development, analysis, systems engineering support, and Verification, Validation, and Accreditation (VV&A) of core systems</p> <p>FY 2011 Accomplishments: Developed Red and Blue Air/Ground simulations and integrated ISR and Close Air Support (CAS) simulators.</p> <p>FY 2012 Plans: Continue to develop Red and Blue Air/Ground simulations, degraded ops, and integrate ISR, SOF, and Close Air Support (CAS) simulators; continue high side operations environment expansion.</p> <p>FY 2013 Base Plans: Will continue to develop Red and Blue Air/Ground simulations, degraded ops, and integrate ISR, SOF, and Close Air Support (CAS) simulators; will continue high side operations environment expansion.</p> <p>FY 2013 OCO Plans:</p>	1.033	1.010	1.018	-	1.018

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
N/A					
<p>Title: DMOC Ops</p> <p>Description: Communications connectivity between DMOC and various other operational and modeling & simulation (M&S) facilities</p> <p>FY 2011 Accomplishments: Developed Red and Blue Air/Ground simulations and integrated ISR and Close Air Support (CAS) simulators.</p> <p>FY 2012 Plans: Continue to develop Red and Blue Air/Ground simulations, degraded ops, and integrate ISR, SOF, and Close Air Support (CAS) simulators; continue high side operations environment expansion.</p> <p>FY 2013 Base Plans: Will continue to develop Red and Blue Air/Ground simulations, degraded ops, and integrate ISR, SOF, and Close Air Support (CAS) simulators; will continue high side operations environment expansion.</p> <p>FY 2013 OCO Plans: N/A</p>	1.549	1.516	1.526	-	1.526
<p>Title: PMO Support</p> <p>Description: Program Management Office (PMO) support</p> <p>FY 2011 Accomplishments: Provided PMO support in the development of Red and Blue Air/Ground simulations and integrated ISR and Close Air Support (CAS) simulators.</p> <p>FY 2012 Plans: Provide PMO support in the continued development of Red and Blue Air/Ground simulations, degraded ops, and integrate ISR, SOF, and Close Air Support (CAS) simulators; continue high side operations environment expansion.</p> <p>FY 2013 Base Plans:</p>	0.665	0.727	0.611	-	0.611

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Will provide PMO support in the continued development of Red and Blue Air/Ground simulations, degraded ops, and integrate ISR, SOF, and Close Air Support (CAS) simulators; continue high side operations environment expansion. FY 2013 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	5.829	5.779	5.699	-	5.699

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

<u>Line Item</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013 Base</u>	<u>FY 2013 OCO</u>	<u>FY 2013 Total</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• N/A: N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

E. Acquisition Strategy
The Distributed Mission Operations Center supports AF/Joint/Coalition DMO and the Joint National Training Capability (JNTC) by awarding 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-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
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Mission Rehearsal	1	2011	4	2017
Verification, Validation, and Accreditation	1	2011	4	2017
DMOC Ops	1	2011	4	2017
PMO Support	1	2011	4	2017