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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2012 Air Force **DATE:** February 2011

**APPROPRIATION/BUDGET ACTIVITY**

3600: *Research, Development, Test & Evaluation, Air Force*  
BA 7: *Operational Systems Development*

**R-1 ITEM NOMENCLATURE**

PE 0804757F: *JOINT NATIONAL TRAINING CENTER*

<b>COST (\$ in Millions)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	3.108	0.009	0.011	-	0.011	0.068	0.024	0.025	-	Continuing	Continuing
675124: <i>M&amp;S Foundations</i>	3.108	0.009	0.011	-	0.011	0.068	0.024	0.025	-	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

Supports the SECDEF's Transformation in Training/Joint Training Capability (JNTC). Develops capabilities that integrate live, virtual and constructive elements into a seamless joint training environment. Using a scientific and phased approach, researches new technologies and methods that provide a crucial technology-based foundation supporting all JNTC operations. This program is in Budget Activity 7, Operational Systems 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)**

	<b><u>FY 2010</u></b>	<b><u>FY 2011</u></b>	<b><u>FY 2012 Base</u></b>	<b><u>FY 2012 OCO</u></b>	<b><u>FY 2012 Total</u></b>
Previous President's Budget	3.220	9.000	-	-	-
Current President's Budget	3.108	0.009	0.011	-	0.011
Total Adjustments	-0.112	-8.991	0.011	-	0.011
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-0.112	-8.991	0.011	-	0.011

**Change Summary Explanation**

FY11:

- Due to technical error; Air Force requested a technical adjustment

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0804757F: JOINT NATIONAL TRAINING CENTER				PROJECT 675124: M&S Foundations			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
675124: M&S Foundations	3.108	0.009	0.011	-	0.011	0.068	0.024	0.025	-	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
Note .											
A. Mission Description and Budget Item Justification Supports the SECDEF's Transformation in Training/Joint Training Capability (JNTC). Develops capabilities that integrate live, virtual and constructive elements into a seamless joint training environment. Using a scientific and phased approach, researches new technologies and methods that provide a crucial technology-based foundation supporting all JNTC operations. This program is in Budget Activity 7, Operational Systems 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 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: Air Force Modeling and Simulation Tool Kit (AFMSTT) Description: Continue Air Force Modeling and Simulations Tool Kit (AFMSTT) Air Warfare Simulation (AWSIM) Upgrades FY 2010 Accomplishments: Integration of Battlefield Air Operations Kit and the Indirect Fire Forward Air Controller Trainer (I-FACT) into AFMSTT FY 2011 Plans: NA FY 2012 Base Plans: FY 2012 OCO Plans:							1.565	-	-	-	-
Title: Operations Support Description: Continue basic operations support, systems acquisition, engineering and development studies/efforts FY 2010 Accomplishments:							0.445	0.009	0.011	-	0.011

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development			R-1 ITEM NOMENCLATURE PE 0804757F: JOINT NATIONAL TRAINING CENTER				PROJECT 675124: M&S Foundations				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Virtual Predator integration on the Nevada Test and Training Range <b>FY 2011 Plans:</b> Continue to ops support study effort <b>FY 2012 Base Plans:</b> Continue to ops support study effort <b>FY 2012 OCO Plans:</b>											
<b>Title:</b> Space Distributed Mission Operations Center (DMOC)_ CONOPS <b>Description:</b> Begin/Continue Concept of Operations for Space DMOC into JNTC Live -Virtual-Constructive events  <b>FY 2010 Accomplishments:</b> Integration of space effects models into the joint training environment/development of validated and authoritative space modeling and simulation data <b>FY 2011 Plans:</b> NA <b>FY 2012 Base Plans:</b> <b>FY 2012 OCO Plans:</b>							1.098	-	-	-	-
Accomplishments/Planned Programs Subtotals							3.108	0.009	0.011	-	0.011
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• PE 0804757: Joint National Training Center, APAF	5.130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
	4.164	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0804757F: JOINT NATIONAL TRAINING CENTER				PROJECT 675124: M&S Foundations			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• PE 0804757 (1): Joint National Training Center, OPAF											
D. Acquisition Strategy											
The acquisition strategy is competitive, with cost plus fixed fee and fixed price 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.											

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2012 Air Force											<b>DATE:</b> February 2011			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0804757F: <i>JOINT NATIONAL TRAINING CENTER</i>				<b>PROJECT</b> 675124: <i>M&amp;S Foundations</i>						

  

<b>Product Development (\$ in Millions)</b>				<b>FY 2011</b>		<b>FY 2012 Base</b>		<b>FY 2012 OCO</b>		<b>FY 2012 Total</b>			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Air Force Modeling and Simulations Tool Kit (AFMSTT)	C/Various	L3:Mesa, AZ	1.565	-		-		-		-	0.000	1.565	0.000
Distributed Mission Operations Center - Space (DMOC-S)	C/Various	SPARTA:Schriever AFB, CO	1.098	-		-		-		-	0.000	1.098	0.000
Ops Support, System Acq, Engineering & Development Studies	C/Various	Various:Various,	0.445	0.009	Mar 2011	0.011	Mar 2012	-		0.011	0.000	0.465	0.000
<b>Subtotal</b>			3.108	0.009		0.011		-		0.011	0.000	3.128	0.000

  

<b>Remarks</b>													
Due to an inadvertent error the Air Force requests a technical adjustment changing R-1 Line NO. 237 "Joint National Training Center" to \$0.0M													

  

<b>Support (\$ in Millions)</b>				<b>FY 2011</b>		<b>FY 2012 Base</b>		<b>FY 2012 OCO</b>		<b>FY 2012 Total</b>			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
<b>Subtotal</b>			-	-		-		-		-	0.000	0.000	0.000

  

<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2011</b>		<b>FY 2012 Base</b>		<b>FY 2012 OCO</b>		<b>FY 2012 Total</b>			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
<b>Subtotal</b>			-	-		-		-		-	0.000	0.000	0.000

  

<b>Management Services (\$ in Millions)</b>				<b>FY 2011</b>		<b>FY 2012 Base</b>		<b>FY 2012 OCO</b>		<b>FY 2012 Total</b>			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
<b>Subtotal</b>			-	-		-		-		-	0.000	0.000	0.000

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				Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals				3.108	0.009		0.011		-		0.011	0.000	3.128	0.000

**Remarks**