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

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

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

PE 0305230F: *MC-12* 

BA 5: System Development & Demonstration (SDD)

COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	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	-	0.000	19.949	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
654673: Distributed Mission Training (DMT)	-	0.000	19.949	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		

<sup>&</sup>lt;sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

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

The Air Force uses Aircrew Training Devices (ATD) to provide realistic, cost effective flight training to aircrews. Some of the training, such as emergency procedure familiarity cannot be fully conducted in the aircraft because of safety, airspace, equipment, and security restrictions. The MC-12W Mission Training Center (MTC) Program will provide simulation for pilots and mission system operators.

The MC-12W MTC will consist of a cockpit simulator and an aircrew systems simulator, instructor/operator stations, and control equipment work stations. The MTC will be capable of integrating with the Air Force Distributed Mission Operations network that integrates the Air Force's vast array of weapon system simulators. Additionally, the MTC will be able to replicate theater-specific environments and combat situations, overcoming constraints that may limit combat preparation.

This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full rate production.

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<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

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APPROPRIATION/BUDGET AC 3600: Research, Development, 7 BA 5: System Development & De	Test & Evaluation, Air Force			<b>M NOMEN</b> 5230F: <i>MC</i>	CLATURE -12					
B. Program Change Summary	(\$ in Millions)	FY 201	12 FY 2	2013	FY 2014 F	Base	FY 2014	OCO	FY 2014 T	otal
Previous President's Bud	•	0.00	00 19.	.949	C	0.000		_	0	.000
Current President's Budg	0.00		.949		0.000				.000	
Total Adjustments	0.00	00 0.	.000	C	0.000		_	.000		
	General Reductions	-	- 0.	.000						
<ul> <li>Congressional</li> </ul>	Directed Reductions	-	- 0.	.000						
<ul> <li>Congressional</li> </ul>	Rescissions	0.00	0.	.000						
Congressional	Adds	-	- 0.	.000						
Congressional	Directed Transfers	-	- 0.	.000						
Reprogramming	gs	0.00	00 0.	.000						
• SBIR/STTR Tra		0.00	00 0.	.000						
<ul> <li>Other Adjustme</li> </ul>	ents	0.00	0.00	.000	C	0.000		-	0	.000
C. Accomplishments/Planned	Programs (\$ in Millions)							FY 2012	FY 2013	FY 2014
Title: Simulator Development								0.000	18.749	0.000
•	clude development and fieldin	g of the MC-1	2 Mission Tra	aining Cen	ter				18.749	0.000
Title: Simulator Development	/elopment of an operational M	lission Trainin	ng Center (MT	ΓC) system	n to include s	oftware and			18.749	0.000
Title: Simulator Development  Description: Planned efforts inc  FY 2013 Plans:  Conducting engineering and development	/elopment of an operational M	lission Trainin	ng Center (MT	ΓC) system	n to include s	oftware and			18.749	0.000
Title: Simulator Development  Description: Planned efforts incomplete Plans: Conducting engineering and development integration and testing  Title: PMA  Description: Accomplishes the development of the MC-12 simular FY 2013 Plans:	velopment of an operational M i. Complete the development System Program Office (SPC lator	lission Trainin and deliver a ) managemer	ng Center (MT fielded opera nt services an	ΓC) system ational MT and related a	n to include s C system.			0.000		
Title: Simulator Development  Description: Planned efforts inco  FY 2013 Plans: Conducting engineering and development integration and testing  Title: PMA  Description: Accomplishes the development of the MC-12 simulation.	velopment of an operational M i. Complete the development System Program Office (SPC lator	lission Trainin and deliver a ) managemer	ng Center (MT fielded opera nt services an tor developme	ΓC) systemational MTond related a	n to include s C system. activities ass	ociated with	the	0.000	1.200	0.000
Title: Simulator Development  Description: Planned efforts inco FY 2013 Plans: Conducting engineering and development integration and testing  Title: PMA  Description: Accomplishes the development of the MC-12 simulary for the MC-12 simulary for the MC-13 Plans:	velopment of an operational M i. Complete the development System Program Office (SPC lator	lission Trainin and deliver a ) managemer	ng Center (MT fielded opera nt services an tor developme	ΓC) systemational MTond related a	n to include s C system.	ociated with	the	0.000		0.00
Title: Simulator Development  Description: Planned efforts inco FY 2013 Plans: Conducting engineering and development integration and testing  Title: PMA  Description: Accomplishes the development of the MC-12 simulary for the MC-12 simulary for the MC-13 Plans:	velopment of an operational M . Complete the development System Program Office (SPC lator  nt services in support of the M	lission Trainin and deliver a ) managemer	ng Center (MT fielded opera nt services an tor developme	ΓC) systemational MTond related a	n to include s C system. activities ass	ociated with	the	0.000	1.200	
Title: Simulator Development  Description: Planned efforts inco FY 2013 Plans: Conducting engineering and development integration and testing  Title: PMA  Description: Accomplishes the development of the MC-12 simulation  FY 2013 Plans: Accomplishing SPO management  D. Other Program Funding Sur	velopment of an operational Management  System Program Office (SPC) lator  Int services in support of the Management (\$ in Millions)	lission Trainin and deliver a b) managemer MC-12 Simulat	ng Center (MT fielded operant services and tor development of Accomp	ΓC) systemational MTond related a	n to include s C system. activities ass	ociated with	the	0.000	1.200 19.949 Cost To	0.000
Title: Simulator Development  Description: Planned efforts inco FY 2013 Plans: Conducting engineering and development integration and testing  Title: PMA  Description: Accomplishes the development of the MC-12 simulation  FY 2013 Plans: Accomplishing SPO management	velopment of an operational M . Complete the development System Program Office (SPC lator  nt services in support of the M	lission Trainin and deliver a r) managemer	ng Center (MT fielded opera nt services an tor developme Accomp	FC) system ational MT and related a ent	n to include s C system. activities ass	ociated with	the	0.000	1.200	0.000

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APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

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

PE 0305230F: *MC-12* 

BA 5: System Development & Demonstration (SDD)

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

FY 2014 FY 2014 FY 2014

Cost To

DATE: April 2013

Line Item FY 2012 FY 2013 Base OCO Total FY 2015 FY 2016 FY 2017 FY 2018 Complete Total Cost

Remarks

MC-12W APAF funding totals are projected to remain intact and the Program Manager will execute the funding from the PE as required to meet mission objectives.

#### E. Acquisition Strategy

The MC-12W Mission Training Center will be developed and maintained through the 645th Aeronautical Systems Group (BIG SAFARI). The procured supplies and services are supported across the full spectrum of system life-cycle management. Due to the rapidly changing threat environment, the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander requirements.

#### 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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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 0305230F: MC-12 654673: Distributed Mission Training (DMT) BA 5: System Development & Demonstration (SDD) FY 2014 FY 2014 FY 2014 **Product Development (\$ 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 Date Cost Date Cost Date Complete Cost Contract Cost Cost Simulator Development Various 0.000 18.749 0.000 0.000 Continuing Continuing TBD:. Subtotal 0.000 0.000 18.749 0.000 0.000 0.000 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 Category Item** & Type **Activity & Location** Years Cost Date Cost Date Cost Date Cost Date Cost 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) FY 2013 oco FY 2012 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 **PMA** Various TBD:. 0.000 1.200 0.000 0.000 0.000 1.200 0.000 0.000 1.200 0.000 0.000 0.000 0.000 1.200 Subtotal Remarks FY13 contract actions are new start efforts and on hold pending resolution of FY13 CR. Target All Prior FY 2014 FY 2014 FY 2014 **Cost To** Total Value of Years FY 2012 FY 2013 Base oco Total Complete Cost Contract 0.000 19.949 0.000 **Project Cost Totals** 0.000 0.000 0.000 Remarks

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Exhibit R-4. RDT&E Schedule Profile: PB 2014 Air Force

APPROPRIATION/BUDGET ACTIVITY

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

BA 5: System Development & Demonstration (SDD)

**R-1 ITEM NOMENCLATURE** 

PE 0305230F: MC-12

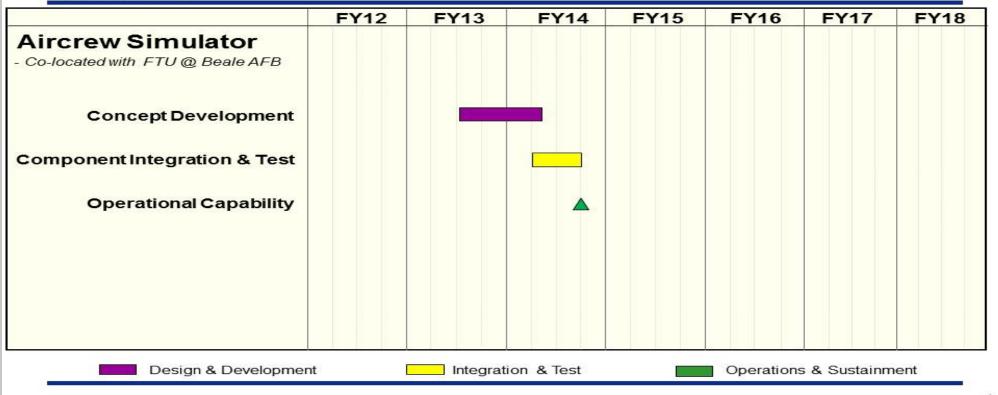
**PROJECT** 

654673: Distributed Mission Training (DMT)

DATE: April 2013



# MC-12W LPA Simulator Schedule



PE 0305230F: MC-12

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

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE **PROJECT** 

3600: Research, Development, Test & Evaluation, Air Force PE 0305230F: *MC-12* 

654673: Distributed Mission Training (DMT) BA 5: System Development & Demonstration (SDD)

## Schedule Details

	Start		End	
Events	Quarter	Year	Quarter	Year
Concept Development, Engineering, Integration & Testing	3	2013	2	2014
Component Integration & Test	2	2014	3	2014
Operational Capability	4	2014	4	2014

PE 0305230F: MC-12

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