

UNCLASSIFIED

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 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0305230F: MC-12							
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	-	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		

[#] 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 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.

UNCLASSIFIED

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)											
B. Program Change Summary (\$ in Millions)					FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total		
Previous President's Budget					0.000	19.949	0.000	-	0.000		
Current President's Budget					0.000	19.949	0.000	-	0.000		
Total Adjustments					0.000	0.000	0.000	-	0.000		
• 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	0.000	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	
Description: Planned efforts include development and fielding of the MC-12 Mission Training Center											
FY 2013 Plans:											
Conducting engineering and development of an operational Mission Training Center (MTC) system to include software and hardware integration and testing. Complete the development and deliver a fielded operational MTC system.											
Title: PMA								0.000	1.200	0.000	
Description: Accomplishes the System Program Office (SPO) management services and related activities associated with the development of the MC-12 simulator											
FY 2013 Plans:											
Accomplishing SPO management services in support of the MC-12 Simulator development											
Accomplishments/Planned Programs Subtotals								0.000	19.949	0.000	
D. Other Program Funding Summary (\$ in Millions)											
Line Item	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
• APAF: BA05: Line Item #	33.843	17.054	5.000		5.000	23.223	12.456	12.689	12.917	Continuing	Continuing
C012WM: MC-12W LPA											

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force										DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>					R-1 ITEM NOMENCLATURE PE 0305230F: <i>MC-12</i>						
D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u> <u>Base</u>	<u>FY 2014</u> <u>OCO</u>	<u>FY 2014</u> <u>Total</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
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.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force													DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>							R-1 ITEM NOMENCLATURE PE 0305230F: MC-12				PROJECT 654673: <i>Distributed Mission Training (DMT)</i>				
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
Simulator Development	Various	TBD:,	-	0.000		18.749		0.000		-		0.000	Continuing	Continuing	
Subtotal			0.000	0.000		18.749		0.000		0.000		0.000			
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
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
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
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
PMA	Various	TBD:,	-	0.000		1.200		0.000		-		0.000	0.000	1.200	
Subtotal			0.000	0.000		1.200		0.000		0.000		0.000	0.000	1.200	
Remarks FY13 contract actions are new start efforts and on hold pending resolution of FY13 CR.															
			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	0.000		19.949		0.000		0.000		0.000			
Remarks															

UNCLASSIFIED

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 5: System Development & Demonstration (SDD)

R-1 ITEM NOMENCLATURE

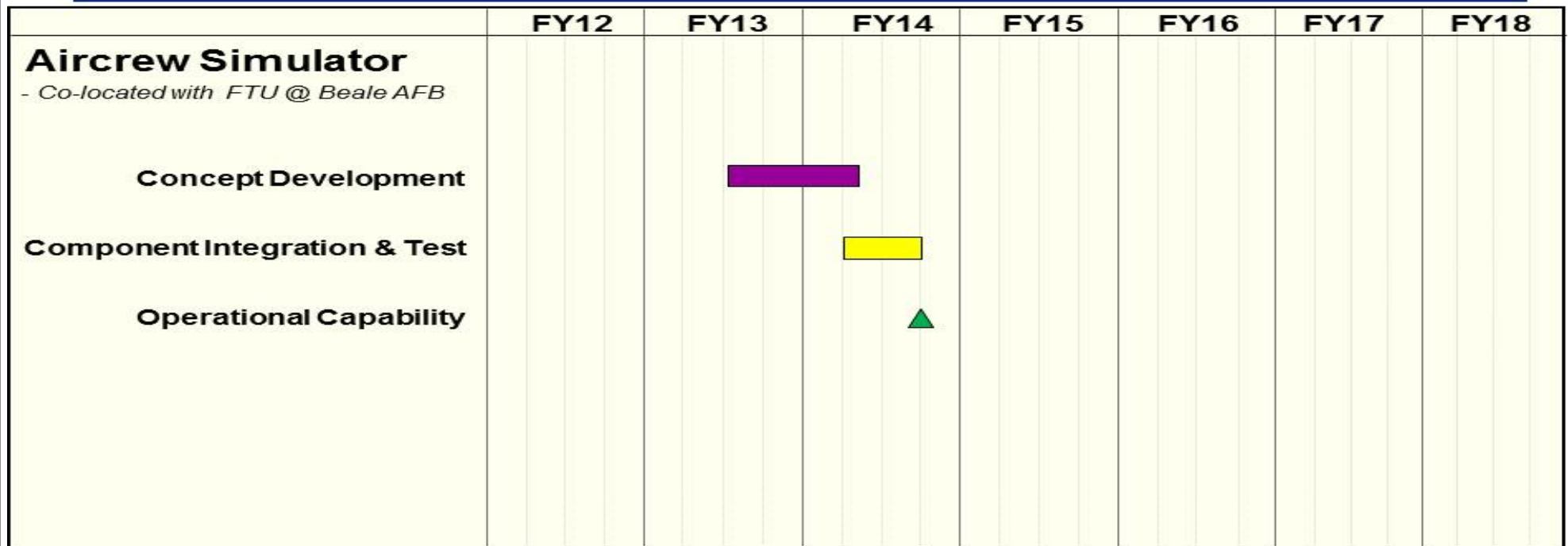
PE 0305230F: MC-12

PROJECT

654673: Distributed Mission Training (DMT)



MC-12W LPA Simulator Schedule



Design & Development



Integration & Test



Operations & Sustainment

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0305230F: <i>MC-12</i>	PROJECT 654673: <i>Distributed Mission Training (DMT)</i>

Schedule Details

Events	Start		End	
	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