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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 0401132F: C-130J Program							
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	-	38.345	30.652	22.443	-	22.443	31.778	28.739	24.973	25.422	Continuing	Continuing
675061: C-130J	-	38.345	28.248	20.343	-	20.343	30.068	28.739	24.973	25.422	Continuing	Continuing
675062: C-130J TRAINERS	-	0.000	2.404	2.100	-	2.100	1.710	0.000	0.000	0.000	Continuing	Continuing
MDAP/MAIS Code(s): 220												
# 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 C-130J is a medium-sized transport aircraft capable of performing a variety of combat delivery (tactical airlift) operations across a broad range of mission environments. The C-130J aircraft, with its extended (by 15 feet) fuselage, provides additional cargo carrying capacity for the USAF combat delivery mission compared with legacy C-130E/H and the C-130J (short). Special mission variants of the C-130J conduct airborne psychological operations (EC-130J), weather reconnaissance (WC-130J), search and rescue (HC-130J), and special operations (MC-130J and AC-130J). All aircraft variants must be capable of worldwide operations.												
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 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total				
Previous President's Budget				39.537	30.652	40.320	-	40.320				
Current President's Budget				38.345	30.652	22.443	-	22.443				
Total Adjustments				-1.192	0.000	-17.877	-	-17.877				
• 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				-1.192	0.000							
• Other Adjustments				0.000	0.000	-17.877	-	-17.877				
Change Summary Explanation												
Due to combining Block 7.0 and 8.1, \$17.9M was identified as early to need in FY14.												

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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0401132F: C-130J Program				PROJECT 675061: C-130J			
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
675061: C-130J	-	38.345	28.248	20.343	-	20.343	30.068	28.739	24.973	25.422	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 C-130J is a medium-sized transport aircraft capable of performing a variety of combat delivery (tactical airlift) operations across a broad range of mission environments. The C-130J aircraft, with its extended (by 15 feet) fuselage, provides additional cargo carrying capacity for the USAF combat delivery mission compared with legacy C-130E/H and the C-130J (short). Special mission variants of the C-130J conduct airborne psychological operations (EC-130J), weather reconnaissance (WC-130J), search and rescue (HC-130J), and special operations (MC-130J and AC-130J). All aircraft variants must be capable of worldwide operations.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2012	FY 2013	FY 2014	
Title: Cooperative Systems and Software Upgrade Requirements Management (COSSURM)									0.903	0.500	0.000	
Description: COSSURM - Collects all potential requirements for inclusion into a Block Upgrade.												
FY 2012 Accomplishments: Block 9.0 COSSURM efforts continued. The Block Requirements Approval Meeting (BRAM) #1 was conducted, which concluded the Block 9.0 COSSURM efforts. Capability Management Update (CMU) COSSURM efforts subsequently commenced. Major milestones completed include the Initial Kick-off Meeting and the Improvements Evaluation and Prioritization (IE&P) meeting.												
FY 2013 Plans: CMU COSSURM efforts will continue. Major milestones expected to be completed include the Design Approach and Approval Meeting (DAAM), Requirements Approval Meeting (RAM), Systems Requirements Review (SRR), System Design Review (SDR), Certification Working Group (CertWG) and approval to proceed to Request for Proposal (RFP). The CMU COSSURM efforts will be completed after the RFP is released.												
Title: Block 7.0									5.149	2.620	0.000	

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013
Description: BLOCK 7.0: Adds Link 16, a new Flight Management System (FMS), Civil Global Positioning System (GPS) Navigation, and a Special Mission Processor-Interface (SMP-I). DCMA Support is included here. FY 2012 Accomplishments: Continuation of the test and Common Core phase. FY 2013 Plans: Conclude Test and Common Core phase, effectively closing the Common Core effort.			
Title: Block 8.1 Description: BLOCK 8.1. Adds Identification Friend or Foe (IFF) Mode 5, Civil Data Link, and Automatic Dependent Surveillance - Broadcast (ADS-B) FY 2012 Accomplishments: The Block 8.1 continues the Common Core hardware and software development. Major Milestones of Systems Requirements Review (SRR) and Preliminary Design Review (PDR) were completed. FY 2013 Plans: The Block 8.1 effort will continue with the Common Core hardware and software development. Major milestones expected to be completed include Critical Design Review (CDR) and receipt of the Trial Kit Installation (TKI) aircraft. FY 2014 Plans: The Block 8.1 effort will continue with the Common Core hardware and software development. Milestones expected to be completed include Test Readiness Review (TRR) and receipt of Trial Kit Installation (TKI) aircraft.		30.693	23.528
Title: Capability Management Upgrade (CMU) Description: Refinement of Block upgrade modifications to improve operational effectiveness, satisfy emerging operational needs, and enhance human machine interface (HMI) to allow a workload that meets human factors standards and maintains the present crew complement FY 2014 Plans: Award contract and Common Core software development will begin		0.000	0.000
Title: Other AMC Initiatives Description: C-130J initiatives/studies		1.500	1.500

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2012	FY 2013	FY 2014
<i>FY 2012 Accomplishments:</i> Improved Propeller Dolly to reduce maintainability costs <i>FY 2013 Plans:</i> Mission Planning software studies and updates <i>FY 2014 Plans:</i> Mission Planning software studies and updates			
<i>Title:</i> IPO Program Management <i>Description:</i> International Program Office (IPO) Support. Funds for contract services, travel, supplies and DFAS Support. <i>FY 2012 Accomplishments:</i> Travel, Supplies, and DFAS Support <i>FY 2013 Plans:</i> Travel, Supplies, and DFAS Support <i>FY 2014 Plans:</i> Travel, Supplies, and DFAS Support	0.100	0.100	0.100
Accomplishments/Planned Programs Subtotals	38.345	28.248	20.343

C. 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 # C1300J: <i>C-130J Mods</i>	13.576	35.261	0.000		0.000	0.000	28.723	64.505	65.675	835.250	1,042.990
Remarks The Mods above are linked to C-130J R&D. There are other C-130J modification projects without associated R&D.											
D. Acquisition Strategy The C-130J aircraft will be modified using a "block upgrade" strategy. The full CNS/ATM, navigation safety requirement will be met in three block upgrades. Block 6.0 development was funded from FY03-07. Block 7.0 started in FY07 and Block 8.1 which began in FY12, should complete the known CNS/ATM and navigation safety requirements.											

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In order to better manage the fleet and to avoid having to simultaneously support three separate aircraft configurations (Block 6, Block 7 and Block 8.1) the USAF has decided to combine the Block 7 and Block 8.1 mods. This will allow the aircraft and trainers to only have to be modified one time. The proportion of CNS/ATM and navigation safety requirements allocated to Blocks 6.0 through 8.1 was determined via a design trade study conducted by Lockheed Martin (the C-130J prime contractor) and verified by the C-130J system program office and AMC. The development costs are being shared via a global Project Arrangement (PA) by the United States (USAF, USMC, USCG), the United Kingdom, Italy, Australia, Denmark, Canada, and Norway. An international program office (IPO), with USAF lead (Wright Patterson AFB, OH), manages the block upgrades development effort. Retrofit of a Block on the aircraft is the responsibility of each nation. <u>E. Performance Metrics</u> 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			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development						R-1 ITEM NOMENCLATURE PE 0401132F: C-130J Program				PROJECT 675061: C-130J					
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
Block 7.0, Air Force Life Cycle Mgmt Ctr (AFMC), WPAFB, OH	SS/CPAF	Lockheed Martin Aeronautics:Marietta, GA	-	5.149	Dec 2011	2.620		0.000		-		0.000	Continuing	Continuing	
Block 8.1, Air Force Life Cycle Mgmt Ctr (AFMC), WPAFB, OH	SS/CPAF	Lockheed Martin Information Sytems:Marietta, GA	-	30.693	Feb 2012	23.658	Jan 2013	15.397		-		15.397	Continuing	Continuing	
Capability Management Upgrades (CMU) 1 & 2, Air Force Life Cycle Mgmt Ctr (AFMC), WPAFB, OH	SS/CPAF	Lockheed Martin Aero:Marietta, GA	-	0.000		0.000		3.346	Jun 2014	-		3.346	Continuing	Continuing	
AMC-Initiatives, Air Force Life Cycle Mgmt Ctr (AFMC), WPAFB, OH	SS/CPAF	TBD:,	-	1.500	Feb 2012	1.500	Feb 2013	1.500	Feb 2014	-		1.500	Continuing	Continuing	
Subtotal			0.000	37.342		27.778		20.243		0.000		20.243			
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
IPO Support	TBD	TBD:,	-	0.100	Nov 2011	0.100	Nov 2012	0.100		-		0.100	Continuing	Continuing	
Subtotal			0.000	0.100		0.100		0.100		0.000		0.100			
Remarks Travel, Supplies - all vary on support needed															
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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APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>						R-1 ITEM NOMENCLATURE PE 0401132F: <i>C-130J Program</i>				PROJECT 675061: <i>C-130J</i>				

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
COSSURM	TBD	TBD:TBD,	-	0.903		0.370		0.000		-		0.000	Continuing	Continuing	
Subtotal			0.000	0.903		0.370		0.000		0.000		0.000			

	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	38.345	28.248	20.343	0.000	20.343			

Remarks

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

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

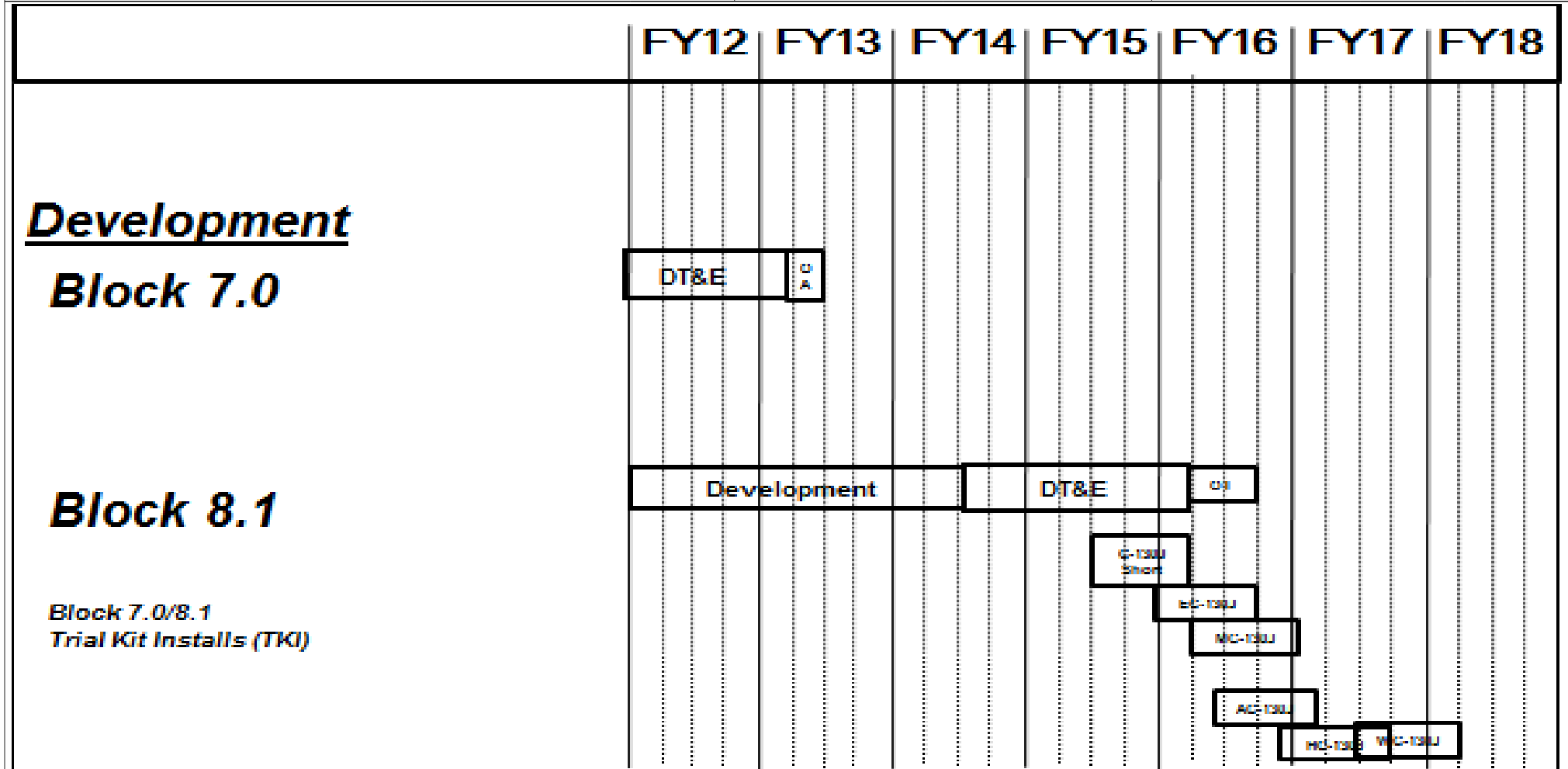
3600: Research, Development, Test & Evaluation, Air Force
BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

PE 0401132F: C-130J Program

PROJECT

675061: C-130J



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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 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0401132F: <i>C-130J Program</i>	PROJECT 675061: <i>C-130J</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Block 7.0 Test	1	2012	2	2013
Block 7.0 Force Development Evaluation (FDE)	4	2013	1	2014
Block 8.1 Common Core Development	1	2012	2	2014
Block 8.1 Test	3	2014	1	2016
Block 7.0/8.1 Trial Kit Installs	3	2015	1	2018
Block 8.1 FDE	3	2016	4	2016

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>					R-1 ITEM NOMENCLATURE PE 0401132F: <i>C-130J Program</i>				PROJECT 675062: <i>C-130J TRAINERS</i>			
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
675062: <i>C-130J TRAINERS</i>	-	0.000	2.404	2.100	-	2.100	1.710	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												
Project Number 675062, C-130J Trainers was a new start in 2013. Utilizing aircraft flight tests, gather data for simulator to accurately emulate ground effect, nose wheel and engine-out data points to give the simulator more fidelity. Currently simulator is approved to accomplish only 50% of annual assault landings. This added capability will allow more training to be accomplished in the simulator so the aircraft will be available for more real world missions. The ability to accomplish more training in the simulator also reduces the annual aircraft O&M requirement.												
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2012	FY 2013	FY 2014
Title: Aero Data Collection										0.000	2.404	2.100
Description: Utilizing aircraft flight tests, gather data for simulator to accurately emulate ground effect, nose wheel and single engine data points to make simulator land like the aircraft. Currently simulator is approved to accomplish only 50% of assault landings.												
FY 2013 Plans: Continue collection and analysis of Aero Data												
FY 2014 Plans: Integration of the aero data collected in 2013 into the Weapon System trainer software												
Accomplishments/Planned Programs Subtotals										0.000	2.404	2.100
C. 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: BA 05: Line Item # C1300J: <i>C-130J Mods</i>	0.000	8.145	7.545		7.545	0.000	0.000	0.000	0.000	Continuing	Continuing	
Remarks												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force		DATE: April 2013
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<u>D. Acquisition Strategy</u> One C-130J will be instrumented to collect data during takeoff, approach and landing phases of flight. This data will be used to enable the C-130J Weapon System Trainers to more accurately emulate ground effect, nose wheel, and engine out data points so the simulator will land more like the aircraft. The ability to accomplish more training in the simulator also reduces the annual aircraft O&M requirement. <u>E. Performance Metrics</u> 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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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development							R-1 ITEM NOMENCLATURE PE 0401132F: C-130J Program				PROJECT 675062: C-130J TRAINERS				

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
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	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
Simulator Aero Data	SS/FFP	Lockheed Martin GTL:Orlando, FL	-	0.000		2.404	Jun 2013	2.100		-		2.100	Continuing	Continuing	
Subtotal			0.000	0.000		2.404		2.100		0.000		2.100			

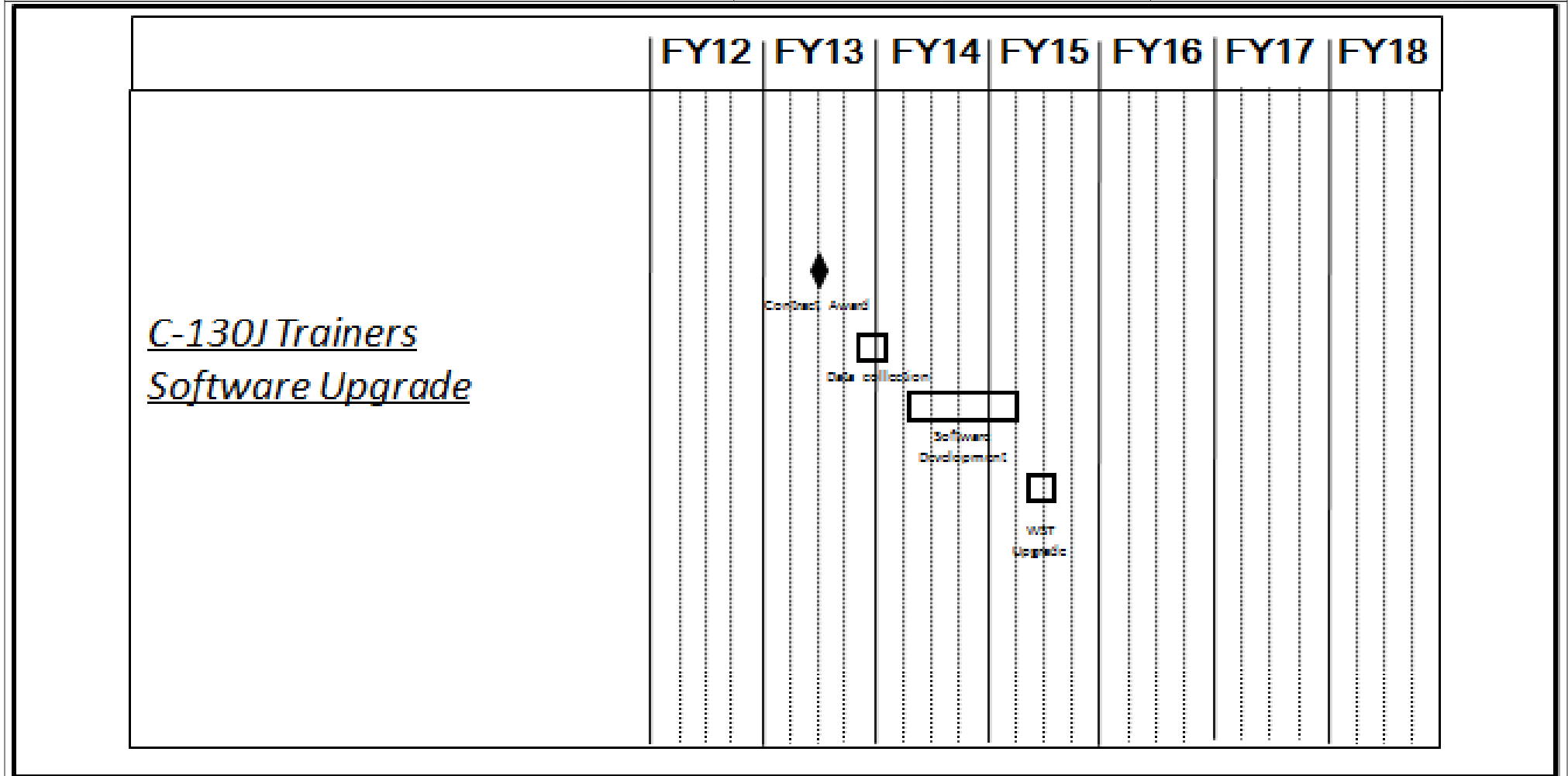
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000

			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		2.404		2.100		0.000		2.100				

Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Air Force		DATE: April 2013
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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
Contract award	3	2013	3	2013
Aircraft Instrumentation/ Data Collection	4	2013	1	2014
Aero Data Model Simulator Software Development	2	2014	1	2015
Simulator Upgrades	2	2015	3	2015