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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Air Force										Date: March 2014		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0401132F I C-130J Program							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	169.586	18.322	22.443	26.715	-	26.715	31.216	26.599	25.209	25.689	-	345.779
675061: C-130J	169.586	15.992	20.343	25.026	-	25.026	31.216	26.599	25.209	25.689	-	339.660
675062: C-130J TRAINERS	0.000	2.330	2.100	1.689	-	1.689	-	-	-	-	-	6.119
MDAP/MAIS Code: 220												
# The FY 2015 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 provides RDT&E funding for required capabilities that are grouped as "Block" upgrades or "Capability" updates. Currently, Block 7.0/8.1 and Capability Management Updates (CMUs) add capabilities to address Communication, Navigation, Surveillance, and Air Traffic Management (CNS/ATM) requirements. All are collaborative efforts between Seven Nations. Content/requirements for block modifications is documented in International Program Directives (IPDs)as determined in the Cooperative Systems and Software Upgrade Requirements Management (COSSURM) process.												
The HC/MC Recap Program will integrate the common-core capabilities developed under this program into the HC-130J, MC-130J and AC-130J.												
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.												

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Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0401132F I C-130J Program			
B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	30.652	22.443	31.778	-	31.778
Current President's Budget	18.322	22.443	26.715	-	26.715
Total Adjustments	-12.330	-	-5.063	-	-5.063
• Congressional General Reductions	-0.028	-			
• Congressional Directed Reductions	-10.000	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.586	-			
• Other Adjustments	-1.716	-	-5.063	-	-5.063
Change Summary Explanation					
FY13: Congressional reduction - forward financing; reduction in other adjustment due to sequestration.					
FY15: Reduction of \$5.063M to align funds to fiscal phasing required.					

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force										Date: March 2014		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0401132F / C-130J Program				Project (Number/Name) 675061 / C-130J			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
675061: C-130J	169.586	15.992	20.343	25.026	-	25.026	31.216	26.599	25.209	25.689	-	339.660
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 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 project provides RDT&E funding for required capabilities that are grouped as "Block" upgrades or "Capability" updates. Content/requirements for block modifications is documented in International Program Directives (IPDs)as determined in the Cooperative Systems and Software Upgrade Requirements Management (COSSURM) process. This project will integrate the common-core capabilities developed under this program into the HC-130J, MC-130J and AC-130J.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2013	FY 2014	FY 2015	
Title: Cooperative Systems and Software Upgrade Requirements Management (COSSURM)									-	-	0.248	
Description: COSSURM - Collects all potential requirements for inclusion into a Block Upgrade or Capability Management Update.												
FY 2013 Accomplishments: N/A												
FY 2014 Plans: N/A												
FY 2015 Plans: CMU COSSURM efforts 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).												
Title: Block 7.0									7.803	2.150	0.100	
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 2013 Accomplishments:												

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Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401132F / C-130J Program	Project (Number/Name) 675061 / C-130J		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2013	FY 2014	FY 2015
Completed Test and Common Core phase, effectively closing the Common Core effort. FY 2014 Plans: Continuation of Data Transfer and Diagnostic System(DTADS) software and Item Unique Identification(IUID) software updates. FY 2015 Plans: Completion of Data Transfer and Diagnostic System(DTADS) software and Item Unique Identification(IUID) software updates.				
Title: Block 8.1 Description: BLOCK 8.1 Adds Identification Friend or Foe (IFF) Mode 5, Civil Data Link, Automatic Dependent Surveillance - Broadcast (ADS-B), Air Traffic Services (ATS)/Airline Operational Control(AOC) Data Link for Line of Sight (LOS) and Beyond Line of Sight (BLOS) communication, enhanced covert lighting, improved Public Address(PA) System, and Approach Procedure with Vertical guidance (APV)/ Localizer Performance with Vertical guidance(LPV) approach capability. Several avionics platforms are impacted that include Flight Managment System Software, Mission Computer Software, Bus Interface Unit software, and Maintenance Management System. FY 2013 Accomplishments: The Block 8.1 effort continued with the Common Core hardware and software development. Begin Development, Test, and Evaluation (DT&E) of Block 8.1 development. FY 2014 Plans: The Block 8.1 effort continues the Common Core hardware and software development. Major milestones include the completion of Critical Design Review (CDR), receipt of the Trial Kit Installation (TKI) aircraft. Continue with DT&E of Block 8.1 development. FY 2015 Plans: The Block 8.1 effort will continue with the Common Core software development. Continuation of DT&E Block 8.1 development.		7.253	13.959	18.572
Title: Test & Evaluation Description: Test and evaluation planning, conduct, and support for developmental, and operational testing. FY 2013 Accomplishments: Funded support for test planning and evaluation of Block 8.1 software build. FY 2014 Plans: Follow on test planning and support that includes Formal Qualification Test (FQT) #1 FY 2015 Plans: Continuation of test planning and support that includes FQT #2		0.336	1.474	3.346
Title: Capability Management Update (CMU)		-	2.160	2.160

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Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0401132F / C-130J Program	Project (Number/Name) 675061 / C-130J		
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2013	FY 2014	FY 2015
Description: CMU's refine Block upgrade modifications that 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. Avionics software impacted includes Flight Management System (FMS) Software, Mission Computer (MC) Software, Bus Interface Unit (BIU) software, and Maintenance Management System. FY 2013 Accomplishments: N/A FY 2014 Plans: Award contract and Common Core software development will begin FY 2015 Plans: Continuation of Common Core software development					
Title: Other AMC Initiatives Description: C-130J initiatives/studies FY 2013 Accomplishments: Updated Mission Planning software FY 2014 Plans: Mission Planning software studies and updates continue FY 2015 Plans: Mission Planning software studies and updates continue			0.500	0.500	0.500
Title: IPO Program Management Description: International Program Office (IPO) Support. Funds for contract services, travel, supplies and DFAS Support. FY 2013 Accomplishments: Provided Travel, Supplies, and DFAS Support FY 2014 Plans: Travel, Supplies, and DFAS Support FY 2015 Plans: Travel, Supplies, and DFAS Support			0.100	0.100	0.100
Accomplishments/Planned Programs Subtotals			15.992	20.343	25.026

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Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401132F / C-130J Program	Project (Number/Name) 675061 / C-130J	

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

Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• APAF: BA05: Line Item # C1300J: C-130J Mods	-	-	-	-	-	28.723	63.999	65.210	66.440	1,114.073	1,338.445

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 CNS/ATM, navigation safety requirement will initially, 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. Subsequently, C-130J modifications will be grouped into smaller CNS/ATM software only updates known as Capability Management Updates (CMU). CMU development is planned to commence upon contract award Q3/2014. Other AMC initiatives include Mission Planning (Mission Computer) upgrades due to Flight Management System (FMS) Software updates.

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.

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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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Air Force												Date: March 2014			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0401132F / C-130J Program				Project (Number/Name) 675061 / C-130J					
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	119.042	7.803	Dec 2011	2.150	Apr 2014	0.100	Nov 2014	-		0.100	-	129.095	129.095
Block 8.1, Air Force Life Cycle Mgmt Ctr (AFMC), WPAFB, OH	SS/CPAF	Lockheed Martin Information Sytems : Marietta, GA	40.132	7.253	Jan 2013	13.959	Apr 2014	18.572	Nov 2014	-		18.572	99.955	179.871	179.871
Capability Management Upgrades (CMU) 1 & 2, Air Force Life Cycle Mgmt Ctr (AFMC), WPAFB, OH	SS/CPAF	Lockheed Martin Aero : Marietta, GA	0.000	-		2.160	Jun 2014	2.160	Nov 2014	-		2.160	4.320	8.640	8.640
AMC-Initiatives, Air Force Life Cycle Mgmt Ctr (AFMC), WPAFB, OH	SS/CPAF	TBD : ,	8.459	0.500	Feb 2013	0.500	Feb 2014	0.500	Feb 2015	-		0.500	2.000	11.959	11.959
Subtotal			167.633	15.556		18.769		21.332		-		21.332	106.275	329.565	329.565
Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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			-	-		-		-		-		-	-	-	-
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 8.1 DT&E	PO	EGLIN AFB : Eglin, FL	0.000	0.336	Jan 2013	1.474	Nov 2013	3.346	Nov 2014	-		3.346	1.514	6.670	6.670
Subtotal			0.000	0.336		1.474		3.346		-		3.346	1.514	6.670	6.670

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Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0401132F / C-130J Program				Project (Number/Name) 675061 / C-130J					
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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 : ,	0.525	0.100	Nov 2012	0.100	Nov 2013	0.100	Nov 2014	-		0.100	0.400	1.225	1.225
COSSURM	TBD	TBD : TBD,	1.428	-		-		0.248		-		0.248	0.524	2.200	2.200
Subtotal			1.953	0.100		0.100		0.348		-		0.348	0.924	3.425	3.425
Remarks															
IPO Support(includes Travel & Supplies)and COSSURM are not included in the baseline															
			Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			169.586	15.992		20.343		25.026		-		25.026	108.713	339.660	339.660
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Air Force

Date: March 2014

Appropriation/Budget Activity

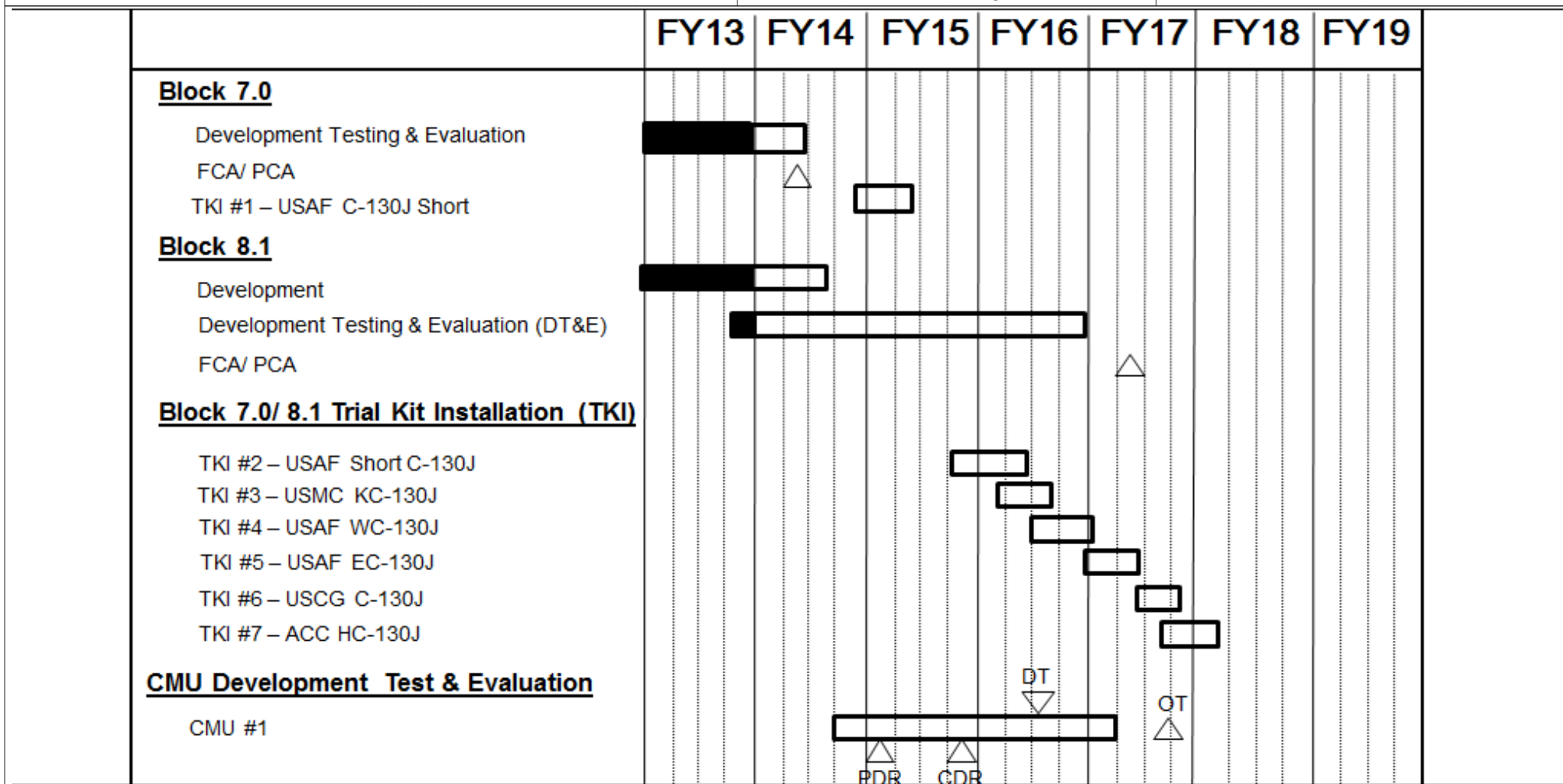
3600 / 7

R-1 Program Element (Number/Name)

PE 0401132F / C-130J Program

Project (Number/Name)

675061 / C-130J



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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Air Force			Date: March 2014
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401132F / C-130J Program	Project (Number/Name) 675061 / C-130J	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Block 7.0 Development Test & Evaluation	1	2013	2	2014
Block 7.0 FCA/ PCA (Functional & Physical Configuration Audit)	1	2014	1	2014
Block 7.0 Trial Kit Installation (TKI) 1	4	2014	1	2015
Block 8.1 Development	1	2013	4	2014
Block 8.1 Development Test & Evaluation	4	2013	4	2016
Block 8.1 FCA/ PCA (Functional & Physical Configuration Audit)	2	2017	2	2017
Block 7.0/ 8.1 Trial Kit Installation (TKI) 2 - 7	4	2015	1	2018
CMU #1	4	2014	1	2017

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force										Date: March 2014				
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0401132F / C-130J Program				Project (Number/Name) 675062 / C-130J TRAINERS					
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost		
675062: C-130J TRAINERS	-	2.330	2.100	1.689	-	1.689	-	-	-	-	-	6.119		
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-				
# The FY 2015 OCO Request will be submitted at a later date.														
Note Project completes in 2015														
A. Mission Description and Budget Item Justification This project will enhance aircrew simulator fidelity utilizing aircraft flight tests to gather data to accurately emulate ground effect, nose wheel and engine-out data points. Currently the 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 2013	FY 2014	FY 2015			
Title: Aero Data Collection Description: Utilize 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. Simulator is currently approved to accomplish only 50% of assault landings. Effort includes aircraft modification to collect all data points and de-modification after data collection to return aircraft to previous status. FY 2013 Accomplishments: One aircraft instrumented and Aero Data collection began. FY 2014 Plans: Continue collection and analysis of Aero Data. De-intrument aircraft. FY 2015 Plans: Integration of the Aero Data collected in 2014 into the Weapon System Trainer (WST) software									2.330	2.100	1.689			
									Accomplishments/Planned Programs Subtotals			2.330	2.100	1.689
									C. Other Program Funding Summary (\$ in Millions) N/A					
Remarks There is not a hardware modification program linked to this RDT&E effort.														

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force			Date: March 2014
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401132F / C-130J Program	Project (Number/Name) 675062 / C-130J TRAINERS	

D. Acquisition Strategy

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.

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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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Air Force												Date: March 2014			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0401132F / C-130J Program						Project (Number/Name) 675062 / C-130J TRAINERS			
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	2.330	Sep 2013	2.100	Jun 2014	1.689	Jun 2015	-		1.689	-	6.119	-
Subtotal			0.000	2.330		2.100		1.689		-		1.689	-	6.119	-
Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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			-	-		-		-		-		-	-	-	-
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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			-	-		-		-		-		-	-	-	-
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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			-	-		-		-		-		-	-	-	-
			Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	2.330		2.100		1.689		-		1.689	-	6.119	-
Remarks															

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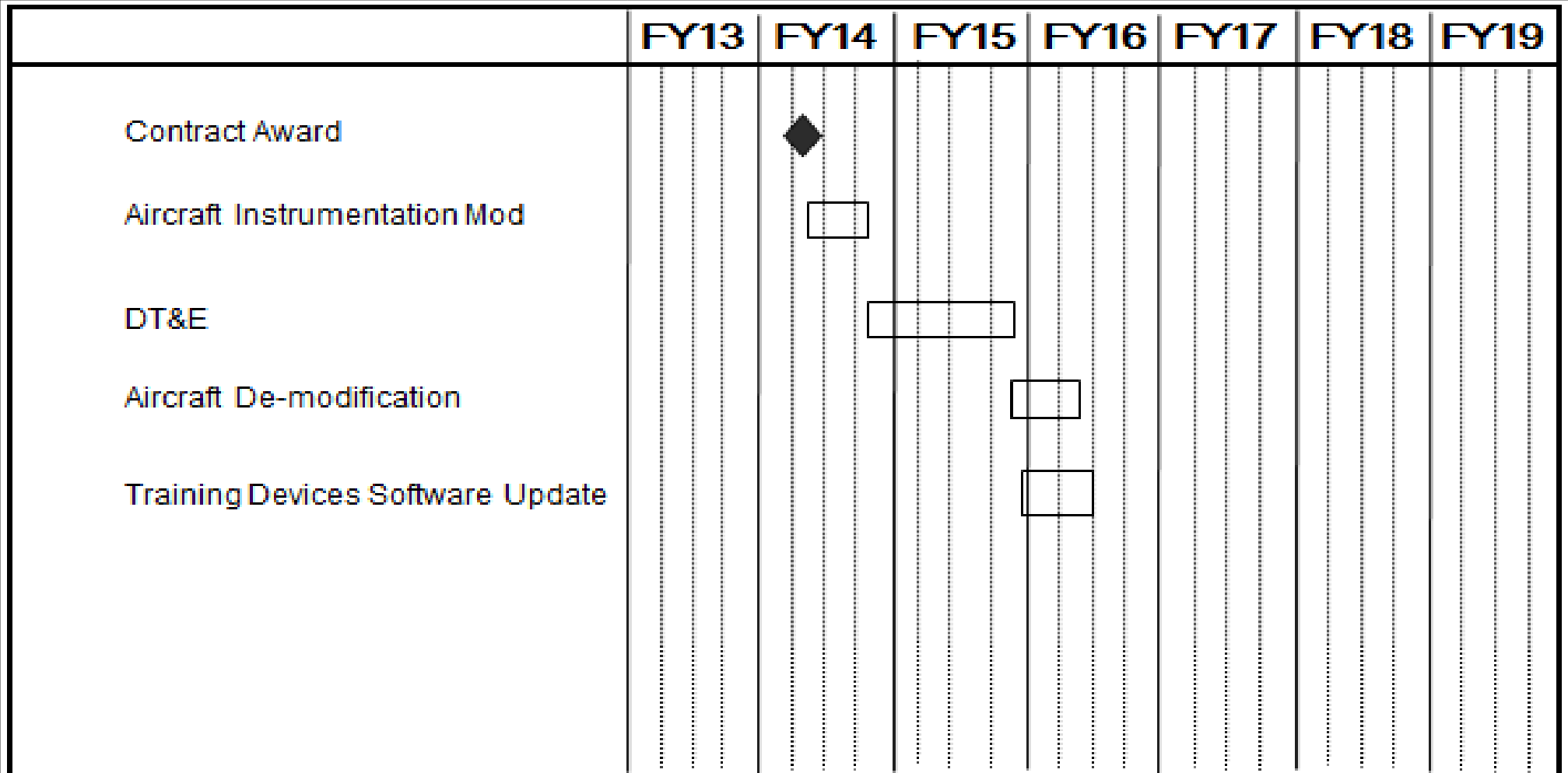
Exhibit R-4, RDT&E Schedule Profile: PB 2015 Air Force

Date: March 2014

Appropriation/Budget Activity
3600 / 7

R-1 Program Element (Number/Name)
PE 0401132F / C-130J Program

Project (Number/Name)
675062 / C-130J TRAINERS



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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Air Force			Date: March 2014
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0401132F / C-130J Program	Project (Number/Name) 675062 / C-130J TRAINERS	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Contract award	4	2013	4	2013
Aircraft Instrumentation/ Data Collection	2	2014	3	2014
Software Development Testing & Evaluation	3	2014	3	2015
Aircraft De-modification	4	2015	1	2016
Training Devices Software Update	4	2015	1	2016