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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Air Force	DATE: February 2011
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				PE 0401115F: C-130 AIRLIFT SQUADRONS							
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
Total Program Element	105.356	113.107	24.509	-	24.509	18.377	-	-	-	Continuing	Continuing
674885: <i>Avionics Modernization Program (AMP)</i>	102.347	43.472	24.509	-	24.509	18.377	-	-	-	Continuing	Continuing
675362: <i>AMP Phase II</i>	3.009	69.635	-	-	-	-	-	-	-	Continuing	Continuing

A. Mission Description and Budget Item Justification

Totals include funding for PRCP Program Number 298, C-130 AMP.

This C-130 Airlift Squadrons Program Element contains three project codes: C-130 Avionics Modernization Program (AMP), C-130 AMP Phase II and C-130 Initiatives.

C-130 Avionics Modernization Program (AMP) will modernize the avionics suites & cockpit configurations for 221 Combat Delivery C-130s in order to meet the International Civil Aviation Organization's (ICAO) & the FAA's mandated Communication, Navigation, Surveillance/ Air Traffic Management (CNS/ATM) and AF Nav/ Safety mandates.

C-130 Initiatives is for new requirements not covered by C-130 AMP or C-130 AMP Phase II.

C-130 Avionics Modernization Program (AMP) Phase II will modernize the avionics suites & cockpit configurations of 74 AC/EC/MC/LC-130 Special Mission aircraft and 28 Combat Delivery C-130s to meet the CNS/ATM and AF Nav/Safety mandates. The FY11 funds will enable initial contract award for risk reduction efforts. This program intends to leverage design efforts completed under AMP Phase I. AC-130U and MC-130H/W will require SOF-unique capabilities integrated within AMP Phase II. Funds for these will be provided in Major Force Program-11 (MFP-11) and are not shown here.

BA7- 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.

UNCLASSIFIED

UNCLASSIFIED

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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 0401115F: <i>C-130 AIRLIFT SQUADRONS</i>
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B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	109.250	113.107	7.700	-	7.700
Current President's Budget	105.356	113.107	24.509	-	24.509
Total Adjustments	-3.894	-	16.809	-	16.809
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-3.894	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-	-	16.809	-	16.809

Change Summary Explanation

The FY12 \$2.86M was taken because funds will be freed up by contractor to civilian conversions.

\$16.809M has been transferred in FY12 from AMP's APAF line into its RDT&E line to fund the AMP's IOT&E and complete software development.

UNCLASSIFIED

UNCLASSIFIED

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 0401115F: C-130 AIRLIFT SQUADRONS				PROJECT 674885: Avionics Modernization Program (AMP)			
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
674885: Avionics Modernization Program (AMP)	102.347	43.472	24.509	-	24.509	18.377	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

Note

Totals include funding for PRCP Program Number 298, C-130 AMP.

Prior Years RDT&E funding estimate is \$1,332.660. This does not include \$257.9M of Major Force Program (MFP)-11 funding from FY01-06. The To-Complete funding estimate is \$18.377M in FY13.

Prior Quantity of RDT&E Articles is 3.

A. Mission Description and Budget Item Justification

To date, Boeing has completed all Critical Design Reviews (CDR) for AMP's hardware and majority of the software requirements. First flight with the initial software build was in Aug 08. Software upgrades will continue into 2011. Retrofit of the three test aircraft to production configuration was completed in Jun 10. Developmental efforts for the AMP's training systems will continue through FY13. In addition, this System Development & Design (SDD) contract allows for Special Mission analyses, studies, and engineering efforts in support of additional Mission Design Series (MDS) and planning for future block upgrades.

The C-130 Avionics Modernization Program (AMP) Phase I consolidates and installs the mandated Communications, Navigation, Surveillance/Air Traffic Management (CNS/ATM) capabilities, the AF Navigation/Safety modifications and C-130 Broad Area Review requirements on AF's 221 Combat Delivery C-130s. These mods are incorporated with other Reliability, Maintainability, and Sustainability (RM&S) upgrades which include: new fleet-wide weather radars, aircrew displays, dual autopilots, dual flight management systems and HF/UHF/VHF radios/data links. An AMP-equipped C-130 will be able to safely and effectively operate worldwide in today's and tomorrow's airspace. In addition to meeting CNS/ATM and Nav/Safety requirements, AMP will also lower the cost of ownership and increase survivability of the Mobility Air Forces' (MAF) C-130 Combat Delivery fleet.

This fleet consists of three different MDSs to be modified by AMP: C-130H2, H2.5, and H3s. Within each of these MDSs, multiple cockpit and avionics variations exist. Today, these differences create significant logistics support and aircrew training inefficiencies. Also, these differences greatly complicate aircrew/aircraft scheduling and interoperability particularly at forward operating locations. C-130 AMP standardizes the cockpit configurations and avionics suites for these different variants into a single cockpit configuration by installing a core avionics package with a common cockpit layout, eliminating many of these logistics, interoperability and training issues.

A number of C-130 obsolescence and Diminishing Manufacturing Sources (DMS) issues were addressed during SDD resulting in new hardware incorporated in the AMP design. Shown here are RDT&E funds for only C-130 AMP Phase I.

UNCLASSIFIED

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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 0401115F: C-130 AIRLIFT SQUADRONS	PROJECT 674885: Avionics Modernization Program (AMP)				
<p>The SDD contract was awarded to The Boeing Company on 30 Jul 01. From FY02-05, the combination of funding and requirements instability, coupled with increases in development costs pushed AMP into cost and schedule breaches. With the completion of an Air Force Service Cost Position in Oct 06, a major cost deviation was confirmed.</p> <p>In Dec 06, a Program Deviation Report (PDR) was issued and a critical Nunn-McCurdy (N-M) breach was reported to Congress in Feb 07. In Jun 07, following a five month review, USD(AT&L) recertified AMP to Congress, albeit for a reduced number of 222 aircraft, further reduced to 221 due to a Jun 08 aircraft loss. This program is now called C-130 AMP Phase I (AMP PH-I). This certified fleet constitutes the majority of AF's Combat Delivery fleets operated by AMC, ANG and AFRC.</p> <p>The 119 Special Mission and 47 C-130H1 Combat Delivery aircraft, separated from core AMP at N-M certification in Jun 07, are now referred to as AMP Phase II. Disposition of these 166 aircraft will be addressed as a separate modification program.</p> <p>All aircraft flight test Development Test and Evaluation (DT&E) requirements were completed in Dec 09. Initial Operational Test & Evaluation (IOT&E) is scheduled to start in 2nd quarter FY12. Software Build 0.2 will require follow-on Development and Operational Testing scheduled to begin in 4th quarter FY12. Funding to complete SDD was reprogrammed from 3010 to 3600 in FY12 and FY13.</p> <p>On 19 Jun 10, USD/AT&L issued an ADM approving C-130 AMP's entrance into the Low-Rate Initial Production and Deployment Phase. The ADM authorized installation of Lot 1 AMP kits, procurement & installation of Lots 2 & 3 kits at the depot and at the contractors' facilities.</p> <p>BA7- 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.</p>							
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: SDD			99.016	41.731	19.434	-	19.434
Description: Complete design activities for software spirals and remaining Group A engineering data release for the H2, H2.5, and H3 configurations. Contractor also provide flight test support. To achieve the overall AMP development efforts, the following RDT&E tasks also are required: Training Systems Development (aircrew and maintenance systems), Engineering Change Orders (ECO), Gov't Furnished Equipment (GFE), the contractor Award Fee and program support efforts.							
FY 2010 Accomplishments: Complete design activities for software spirals and remaining Group A engineering data release for the H2, H2.5, and H3 configurations. Contractor also provide flight test support. To achieve the overall AMP development efforts, the following RDT&E tasks also are required: Training Systems Development (aircrew							

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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 0401115F: C-130 AIRLIFT SQUADRONS	PROJECT 674885: Avionics Modernization Program (AMP)				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
and maintenance systems), Engineering Change Orders (ECO), GFE, the contractor Award Fee and program support efforts. FY 2011 Plans: Complete design activities for software spirals and remaining Group A engineering data release for the H2, H2.5, and H3 configurations. Contractor also provide flight test support. To achieve the overall AMP development efforts, the following RDT&E tasks also are required: Training Systems Development (aircrew and maintenance systems), Engineering Change Orders (ECO), Development of new hardware resulting from DMS issues, GFE, the contractor Award Fee and program support efforts. FY 2012 Base Plans: Complete design activities for software spirals and remaining Group A engineering data release for the H2, H2.5, and H3 configurations. Contractor also provide flight test support. To achieve the overall AMP development efforts, the following RDT&E tasks also are required: Training Systems Development (aircrew and maintenance systems),ECO, GFE, the contractor Award Fee and program support efforts. FY 2012 OCO Plans:						
Title: DT&E Description: Developmental Test and Evaluation (DT&E). FY 2010 Accomplishments: Developmental Test and Evaluation (DT&E). FY 2011 Plans: Developmental Test and Evaluation (DT&E). FY 2012 Base Plans: Developmental Test and Evaluation (DT&E). FY 2012 OCO Plans:		3.331	1.741	5.075	-	5.075
Accomplishments/Planned Programs Subtotals		102.347	43.472	24.509	-	24.509

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0401115F: <i>C-130 AIRLIFT SQUADRONS</i>	PROJECT 674885: <i>Avionics Modernization Program (AMP)</i>	

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

<u>Line Item</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u> <u>Base</u>	<u>FY 2012</u> <u>OCO</u>	<u>FY 2012</u> <u>Total</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• PE 0401115F: <i>APAF, C-130 AMP, BP11</i>	0.000	170.529	235.635	0.000	235.635	248.722	372.784	557.192	699.483	Continuing	Continuing

D. Acquisition Strategy

The C-130 AMP contract was awarded 30 July 01 as a Cost-Plus Award Fee contract to develop and install AMP kits for the development aircraft and conduct developmental flight test. A Restructure Engineering Change Proposal (ECP) 1302 was awarded to Boeing 20 Aug 03. The ECP rebaselined the program due to funding reductions in FY03-04 which resulted in delays in System Development and Demonstration (SDD) program exceeding 2 years. Revisions to the AF training system began in Jul 06 under the AMP contract. This effort will modify the various training programs, courses, Weapons Systems Trainers, and Maintenance Trainers to the AMP configuration.

The Nunn-McCurdy certification resulted in the need for a 2nd restructure and rebaseline for the remaining program activities with a contract modification Aug 08. The program office awarded two pre-Milestone C kit buys in Sep 08 under a Jul 08 OSD Acquisition Decision Memorandum (ADM). The C-130 AMP Milestone C hardware, through Lot 3 buys and installs, was authorized on 19 Jun 10. In addition to the kit buys and installs, the ADM also approved associated training and support. The Lot 1 kits were delivered Sep 09 and Feb 10, and were inducted for WR-ALC installation Aug 10 and Oct 10 respectively. The LRIP Lot 4/5 approval will require a return to OSD for an IPR/DAB review in 1st quarter FY12.

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.

UNCLASSIFIED

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Exhibit R-3, RDT&E Project Cost Analysis: 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 0401115F: C-130 AIRLIFT SQUADRONS				PROJECT 674885: Avionics Modernization Program (AMP)						
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
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	
System Design & Development	SS/CPAF	Boeing:Long Beach, CA	85.527	40.131	Jan 2011	22.584	Nov 2011	-		22.584	17.862	166.104	0.000	
Subtotal			85.527	40.131		22.584		-		22.584	17.862	166.104	0.000	
Remarks														
Note: Funds shown here are required for System Design & Development, ECO, Training System Upgrades, Government Furnished Property (GFP), & Award Fees. Award Dates vary throughout the year depending on activity.														
Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
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	
Program Office Support	TBD	TBD:Wright Patterson AFB, OH	13.489	1.600		0.975		-		0.975	0.375	16.439	0.000	
Subtotal			13.489	1.600		0.975		-		0.975	0.375	16.439	0.000	
Remarks														
Beginning in FY11, most of Program Office Support efforts will be funded with 3010 appropriated C-130 AMP funding.														
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
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	
Various	TBD	TBD:Edwards AFB, CA	3.331	1.741	Nov 2010	0.950	Nov 2011	-		0.950	0.140	6.162	0.000	
Subtotal			3.331	1.741		0.950		-		0.950	0.140	6.162	0.000	
Remarks														
DT&E flight test program is primarily done out of Edwards AFB. FY11 efforts required as a result of software upgrades to AMP. FY12 funding required to support possible follow-on efforts related to IOT&E testing results.														

UNCLASSIFIED

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Air Force											DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0401115F: <i>C-130 AIRLIFT SQUADRONS</i>				PROJECT 674885: <i>Avionics Modernization Program (AMP)</i>					
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
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
Subtotal			-	-		-		-		-	0.000	0.000	0.000
			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			102.347	43.472		24.509		-		24.509	18.377	188.705	0.000
Remarks													

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2012 Air Force		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0401115F: <i>C-130 AIRLIFT SQUADRONS</i>	PROJECT 674885: <i>Avionics Modernization Program (AMP)</i>

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2012 Air Force			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0401115F: <i>C-130 AIRLIFT SQUADRONS</i>	PROJECT 674885: <i>Avionics Modernization Program (AMP)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Source Familiarization Phase (SFP) Request for Proposals (RFP)	1	2011	2	2012
Functional Configuration Audit (FCA)	3	2011	3	2011
Assessment of Operational Test Readiness (AOTR)	4	2011	1	2012
Physical Configuration Audit (PCA)	2	2012	2	2012
SFP Contract Award	2	2012	2	2012
IOT&E & IOT&E Test Report	2	2012	4	2012
Follow-On Test and Evaluation (FOT&E)-(Build 0.2 Requirement)	4	2012	1	2013
Follow-On Test and Evaluation (FOT&E)	4	2012	1	2013
Installation Completion of SFP's contractor's 2nd kit install	4	2013	4	2013
Full-Rate Production (FRP) Request for Proposals (RFP)	4	2013	4	2013
FRP Contract Award	4	2014	4	2014

UNCLASSIFIED

UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0401115F: <i>C-130 AIRLIFT SQUADRONS</i>	PROJECT 675362: <i>AMP Phase II</i>
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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
675362: <i>AMP Phase II</i>	3.009	69.635	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The C-130 Avionics Modernization Program Phase II (AMP PH-II) was broken out from core AMP during the Nunn-McCurdy certification in Jun 07. The 166 C/AC/EC/LC/MC-130s (119 Special Mission and 47 C-130H1 Combat Delivery aircraft) originally in PH-II, has been reduced to 102 aircraft (74 AC/LC/MC-130s and 28 C-130H1s) as the users have elected to replace some fleets with new C-130Js.

AMP PH-II will consolidate and install the mandated Communications, Navigation, Surveillance/Air Traffic Management (CNS/ATM) capabilities; the AF Nav/Safety modifications; and C-130 Broad Area Review requirements. Since these aircraft were part of core AMP since its inception in 2001 until 2007, it's anticipated that AMP PH-II will leverage AMP's core hardware and software to accommodate the unique requirements of these Special Mission aircraft.

The funding for these aircraft was postponed until FY10 as a result of AMP's Nunn-McCurdy certification in Jun 2007. These mandated modifications will be incorporated with various other Reliability, Maintainability, and Sustainability (RM&S) upgrades to include installation of new weather radars, aircrew displays, dual autopilots, dual flight management systems and HF/UHF/VHF radios/data links. An AMP-equipped aircraft will be able to safely and effectively operate world-wide in today's and tomorrow's airspace. In addition, AMP Phase II will lower the cost of ownership and increase survivability for both the Mobility Air Forces (MAF) and Special Operations Forces (SOF) C-130 fleets.

The fleets consist of six (6) different Mission Design Series (MDS) aircraft to be modified (AC-130U, EC-130H, LC-130H, MC-130H, MC-130W, and C-130H1). Within each MDS, multiple configurations exist among the aircraft that will be modified. Today, different models and cockpit configurations create significant logistics support and aircrew training inefficiencies. Also, these differences greatly complicate aircrew and aircraft scheduling and interoperability particularly at forward operating locations.

C-130 AMP Phase II will standardize the cockpit configurations and avionics suites for these variants into a single cockpit configuration by installing the core AMP avionics package with a common cockpit layout, thus eliminating many of these significant logistics, interoperability and training problems. Also, many of the C-130 Diminishing Manufacturing Sources (DMS) issues are resolved as a result of new hardware included in the AMP design. Shown here are RDT&E funds for only C-130 AMP Phase II. The funds enable initial contractual award for risk reduction efforts.

USSOCOM's AC-130U and MC-130H/W require SOF-unique capabilities integrated with AMP Phase II. Funds for these capabilities will be provided in MFP-11 and are not shown here.

BA7- 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.

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force						DATE: February 2011					
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0401115F: <i>C-130 AIRLIFT SQUADRONS</i>				PROJECT 675362: <i>AMP Phase II</i>			
B. Accomplishments/Planned Programs (\$ in Millions)											
						FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	
Title: Risk Reduction Description: Conduct risk reduction and design activities for CNS/ATM compliance, improved avionics/cockpit commonality, RM&S improvements, and related obsolescence/DMS fixes for the AC-130U, MC-130H/W, and C-130H1. FY 2010 Accomplishments: Conduct risk reduction and design activities for CNS/ATM compliance, improved avionics/cockpit commonality, RM&S improvements, and related obsolescence/DMS fixes for the AC-130U, MC-130H/W, and C-130H1. FY 2011 Plans: These funds will be used for risk reduction efforts if the core C-130 AMP is to be adapted to accommodate the unique mission requirements of some of these aircraft such as an AC-130 gunship. FY 2012 Base Plans: FY 2012 OCO Plans:						3.009	69.635	-	-	-	
Accomplishments/Planned Programs Subtotals						3.009	69.635	-	-	-	
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 0401115F: <i>APAF, C-130 AMP Phase II, BP11</i>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
D. Acquisition Strategy The AMP Phase II work is divided into short-term and long-term efforts. The short-term effort meets near-term CNS/ATM mandates and obsolescence. The long-term and main effort will integrate AMP Phase I's capabilities onto each MDS in AMP Phase II, add SOF-unique capabilities (e.g. terrain following radar) and preserve the current unique capabilities. This program includes modifications to training and support systems. The long-term contractual actions are divided into two main parts. The first part updates preliminary design with sub-system risk reduction to provide decision knowledge for the second part, a traditional Engineering and Manufacturing Development effort. The long-term effort leverages the existing AMP contract and core design, but segments activities to permit focus on each aircraft type. Both of these contracts will be cost plus award fee.											

UNCLASSIFIED

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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 0401115F: <i>C-130 AIRLIFT SQUADRONS</i>	PROJECT 675362: <i>AMP Phase II</i>

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.

UNCLASSIFIED

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Air Force											DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0401115F: <i>C-130 AIRLIFT SQUADRONS</i>				PROJECT 675362: <i>AMP Phase II</i>						

Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
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
Short term radios, enhanced mode S, and voice/data recorder	C/Various	330th Aircraft Sustainment Wing:Robins AFB	3.000	28.000		-		-		-	0.000	31.000	0.000
Long-term hardware and software design, integration, and test	SS/CPIF	Boeing:Long Beach, CA	-	36.685	Jun 2011	-		-		-	Continuing	Continuing	TBD
Subtotal			3.000	64.685		-		-		-			

Remarks													
Note: Funds shown here contain SDD, ECO, Training System Upgrades and the Award Fee.													

Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
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
Program Support Office	C/Various	Various:Various	0.343	4.100		-		-		-	Continuing	Continuing	TBD
Subtotal			0.343	4.100		-		-		-			

Remarks													
Award dates vary throughout the year depending on activity (TDY, Training, Contractor Support)													

Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
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
Various	Various	Various:Various	-	0.850	Jun 2011	-		-		-	Continuing	Continuing	TBD
Subtotal			-	0.850		-		-		-			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Air Force											DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>					R-1 ITEM NOMENCLATURE PE 0401115F: <i>C-130 AIRLIFT SQUADRONS</i>					PROJECT 675362: <i>AMP Phase II</i>			

Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
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
Subtotal			-	-		-		-		-	0.000	0.000	0.000

	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	3.343	69.635		-		-		-			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Air Force		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0401115F: <i>C-130 AIRLIFT SQUADRONS</i>	PROJECT 675362: <i>AMP Phase II</i>

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Exhibit R-4A, RDT&E Schedule Details: 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 0401115F: *C-130 AIRLIFT SQUADRONS*

PROJECT

675362: *AMP Phase II*

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Short Term radios, enhanced mode S, and voice/data recorders	4	2010	4	2011
Long term Material Development Decision	3	2010	3	2010
Long term Risk Reduction Contract Award	3	2011	3	2011

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