

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
---	------------------------------

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0401138F Joint Cargo Aircraft
---	---

Cost (\$ in Millions)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	1.400	15.723	42.368	74.433	0.000	0.000	0.000	0.000	Continuing	TBD
5259 Joint Cargo Aircraft (JCA)	1.400	15.723	42.368	74.433	0.000	0.000	0.000	0.000	Continuing	TBD

FY06: The FY06 Omnibus reprogramming action approved JCA new start with \$1.4M.
 FY07: The FY07 PB was APAF, BP10. Per USAF request, the FY07 Defense Appropriations bill transferred the FY07 funds to RDT&E.
 FY10-FY13: Final AF JCA requirements and procurement quantities are still being defined. These requirements will be validated by early FY08. The AF intends to transfer a portion of APAF funds to RDT&E in the FY10 POM to support any resulting aircraft, training system, test, and support system development requirements that remain.

(U) A. Mission Description and Budget Item Justification

The Joint Cargo Aircraft (JCA) is an Army/Air Force aircraft program. It procures a commercial derivative aircraft that meets the Army's immediate needs and implements a RDT&E program to integrate, test, and install additional equipment packages required to meet Air Force mission requirements. In early FY08 the Air Force will complete its requirements analysis and will begin the development program to support Air Force unique JCA mission requirements. The Army's plan is to procure its first aircraft in May 2007. Initial USAF procurement is planned for FY10.

The JCA is a fixed wing airlift platform that performs airlift missions in support of the Joint Force Commander (JFC), in a Joint Operations Area (JOA), at a time and place of the JFC's choosing to achieve strategic, operational and tactical objectives. Joint Publication 3-17, Joint Doctrine, Tactics, Techniques and Procedures for Air Mobility Operations, 14 AUG 02, identifies five basic airlift missions. The JCA provides the Joint Force Commander (JFC) with these mission capabilities predominantly at the tactical level across the designated Joint Operations Area. This is most effective when operating the aircraft as close as possible to the end user, and which may require using austere or unimproved landing zones, but also includes more traditional airfield operations. The Air Force will use the JCA to conduct intratheater airlift in support of operational and tactical objectives. This role will be a part of the common airlift user pool as defined in Joint Publication 3-17.

FY08 Budget Justification: Program implements joint Live Fire Test & Evaluation (LFT&E) and Initial Operational Test & Evaluation (IOT&E) programs, initiates the AF mission equipment integration design/development program, test aircraft order, and engineering, training, and logistics support studies and analysis.

FY09 Budget Justification: Continues joint LFT&E, and IOT&E programs; continues AF mission equipment integration design/development program; continues test aircraft purchase; engineering, training, and logistics support studies and analysis.

Exhibit R-2, RDT&E Budget Item Justification

DATE

February 2007

BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0401138F Joint Cargo Aircraft

(U) **B. Program Change Summary (\$ in Millions)**

	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Previous President's Budget	0.000	0.000	0.000	0.000
(U) Current PBR/President's Budget	1.400	15.723	42.368	74.433
(U) Total Adjustments	1.400			
(U) Congressional Program Reductions				
Congressional Rescissions				
Congressional Increases		15.723		
Reprogrammings	1.400			
SBIR/STTR Transfer				

(U) **Significant Program Changes:**

Per USAF request, the FY07 appropriations bill reprogrammed FY07 APAF, BP10 to RDT&E

Exhibit R-2a, RDT&E Project Justification

DATE
February 2007

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)					PE NUMBER AND TITLE 0401138F Joint Cargo Aircraft			PROJECT NUMBER AND TITLE 5259 Joint Cargo Aircraft (JCA)		
Cost (\$ in Millions)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
5259 Joint Cargo Aircraft (JCA)	1.400	15.723	42.368	74.433	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	1	0	0	0		

FY06: The FY06 Omnibus reprogramming action approved JCA new start with \$1.4M.

FY07: The FY07 PB was APAF, BP10. Per USAF request, the FY07 Defense Appropriations bill transferred the FY07 funds to RDT&E.

FY10-FY13: Final AF JCA requirements and procurement quantities are still being defined. These requirements will be validated by early FY08. The AF intends to transfer a portion of APAF funds to RDT&E in the FY10 POM to support any resulting aircraft, training system, test, and support system development requirements that remain.

(U) A. Mission Description and Budget Item Justification

The Joint Cargo Aircraft (JCA) is an Army/Air Force aircraft program. It procures a commercial derivative aircraft that meets the Army's immediate needs and implements a RDT&E program to integrate, test, and install additional equipment packages required to meet Air Force mission requirements. In early FY08 the Air Force will complete its requirements analysis and will begin the development program to support Air Force unique JCA mission requirements. The Army's plan is to procure its first aircraft in May 2007. Initial USAF procurement is planned for FY10.

The JCA is a fixed wing airlift platform that performs airlift missions in support of the Joint Force Commander (JFC), in a Joint Operations Area (JOA), at a time and place of the JFC's choosing to achieve strategic, operational and tactical objectives. Joint Publication 3-17, Joint Doctrine, Tactics, Techniques and Procedures for Air Mobility Operations, 14 AUG 02, identifies five basic airlift missions. The JCA provides the Joint Force Commander (JFC) with these mission capabilities predominantly at the tactical level across the designated Joint Operations Area. This is most effective when operating the aircraft as close as possible to the end user, and which may require using austere or unimproved landing zones, but also includes more traditional airfield operations. The Air Force will use the JCA to conduct intratheater airlift in support of operational and tactical objectives. This role will be a part of the common airlift user pool as defined in Joint Publication 3-17.

FY08 Budget Justification: Program implements joint Live Fire Test & Evaluation (LFT&E) and Initial Operational Test & Evaluation (IOT&E) programs, initiates the AF mission equipment integration design/development program, test aircraft order, and engineering, training, and logistics support studies and analysis.

FY09 Budget Justification: Continues joint LFT&E, and IOT&E programs; continues AF mission equipment integration design/development program; continues test aircraft purchase; engineering, training, and logistics support studies and analysis.

(U) B. Accomplishments/Planned Program (\$ in Millions)	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Joint LFT&E and IOT&E (AF Share)		3.150	1.916	9.695
(U) AF Mission Equipment Integration Design & Development, Test Aircraft			25.181	52.116
(U) Engineering, Training, and Logistics Studies	1.045	9.196	11.774	8.875
(U) PMA	0.355	3.377	3.497	3.747
(U) Total Cost	1.400	15.723	42.368	74.433

Exhibit R-2a, RDT&E Project Justification

DATE

February 2007

BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0401138F Joint Cargo Aircraft

PROJECT NUMBER AND TITLE

5259 Joint Cargo Aircraft (JCA)

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

	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Complete</u>							
(U) Aircraft Procurement				24.405	467.731	622.267	953.743	974.886	TBD	TBD

(U) **D. Acquisition Strategy**

The Joint Cargo Aircraft (JCA) is an Army/Air Force aircraft program. It procures a commercial derivative aircraft that meets the Army's immediate needs and implements a RDT&E program to integrate, test, and install additional equipment packages required to meet Air Force mission requirements. In early FY08 the Air Force will complete its requirements analysis and will begin the development program to support Air Force unique JCA mission requirements. The Army's plan is to procure its first aircraft in May 2007. Initial USAF procurement is planned for FY10.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis

DATE
February 2007

BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT NUMBER AND TITLE
05 System Development and Demonstration (SDD)	0401138F Joint Cargo Aircraft	5259 Joint Cargo Aircraft (JCA)

(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY 2006 Cost</u>	<u>FY 2006 Cost</u>	<u>FY 2006 Award Date</u>	<u>FY 2007 Cost</u>	<u>FY 2007 Award Date</u>	<u>FY 2008 Cost</u>	<u>FY 2008 Award Date</u>	<u>FY 2009 Cost</u>	<u>FY 2009 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u>														
AF Mission Equipment Integration, Test Aircraft, and Trainers Design & Development	SS CPFF	tbd						25.181	Mar-08	52.116		Continuing	TBD	TBD
Subtotal Product Development			0.000	0.000		0.000		25.181		52.116		Continuing	TBD	TBD
Remarks:														
(U) <u>Support</u>														
Engineering, Training, and Logistics Support	SS FFP	tbd		1.045	May-07	9.196	May-07	11.774		8.875		Continuing	TBD	TBD
Trade Studies														
Subtotal Support			0.000	1.045		9.196		11.774		8.875		Continuing	TBD	TBD
Remarks:														
(U) <u>Test & Evaluation</u>														
Joint LFT&E and IOT&E	MIPR	various locations				3.150	May-07	1.916		9.695		0.439	15.200	15.200
Subtotal Test & Evaluation			0.000	0.000		3.150		1.916		9.695		0.439	15.200	15.200
Remarks:														
(U) <u>Management</u>														
PMA	N/A	N/A		0.355		3.377		3.497		3.747		Continuing	TBD	TBD
Subtotal Management			0.000	0.355		3.377		3.497		3.747		Continuing	TBD	TBD
Remarks:														
(U) Total Cost			0.000	1.400		15.723		42.368		74.433		Continuing	TBD	TBD
FY10-FY13: Final AF requirements and procurement questions are still being defined. These requirements will be validated by FY08. The AF intends to transfer a portion of APAF funds to RDT&E in the FY10 POM to support any resulting aircraft, training system, test, and support system development requirements. The \$439K "Cost to Complete" for the joint test program will be addressed in this transfer.														

UNCLASSIFIED

Exhibit R-4a, RDT&E Schedule Detail

DATE

February 2007

BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0401138F Joint Cargo Aircraft

PROJECT NUMBER AND TITLE

5259 Joint Cargo Aircraft (JCA)

(U) **Schedule Profile**

FY 2006

FY 2007

FY 2008

FY 2009

(U) Joint LFT&E and IOT&E

2-4Q

1-4Q

1-4Q

(U) AF Mission Equipment Integration, Test Aircraft, and Trainers Design & Development

2-4Q

1-4Q

(U) Engineering, Training and Logistics Studies

2-4Q

1-4Q

1-4Q