

**UNCLASSIFIED**

PE NUMBER: 0401138F  
 PE TITLE: Joint Cargo Aircraft

<b>Exhibit R-2, RDT&amp;E Budget Item Justification</b>	<b>DATE</b> <b>February 2008</b>
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<b>BUDGET ACTIVITY</b> <b>05 System Development and Demonstration (SDD)</b>	<b>PE NUMBER AND TITLE</b> <b>0401138F Joint Cargo Aircraft</b>
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Cost (\$ in Millions)	FY 2007 Actual	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	9.781	20.869	26.777	11.391	9.607	19.017	0.000	0.000	98.842
5259 Joint Cargo Aircraft (JCA)	9.781	20.869	26.777	11.391	9.607	19.017	0.000	0.000	98.842

**(U) A. Mission Description and Budget Item Justification**

The Joint Cargo Aircraft (JCA) program is an Army/Air Force aircraft program. It procures a commercial derivative aircraft that meets the Army's immediate needs and provides the Air Force an additional capability in meeting its intratheater airlift mission. A joint Army/Air Force Source Selection Team selected the C-27J in a full and open competition. A JCA firm fixed price contract was awarded on 13 June 2007 to L3 Communications with delivery orders for two aircraft, engineering services, cost reporting, Live Fire Test and Evaluation hardware, and logistics support. The current program calls for 78 aircraft (54 Army and 24 Air Force). The Army began aircraft procurement in FY07. Their first aircraft delivery is scheduled for September 2008. Initial USAF procurement is planned for FY10 with delivery planned for FY12.

The JCA is a fixed wing airlift platform that will perform 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 (JP) 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 JOA. The Army will employ the JCA to provide on-demand direct support as defined in Operational Support Airlift (OSA) missions to forward locations. The Air Force will use the JCA to conduct intratheater airlift in support of operational and tactical objectives for all other JP 3-17 missions. These roles will be a part of the common airlift user pool as defined in JP 3-17.

FY09 Budget Justification: Continues joint Live Fire Test & Evaluation (LFT&E) and Multi-Service Operational Test & Evaluation (MOT&E) programs, initiates Maintenance Training System development, continues the Joint Training System Business Case Analysis (BCA) and Training System Requirements Analysis (TSRA), and continues the Supportability BCA and Depot Source of Repair (DSOR) studies.

FY10 Budget Justification: Completes LFT&E and MOT&E, continues Maintenance Training System development, completes the Joint Training System BCA and TSRA, completes the Supportability BCA and DSOR studies, and initiates any resulting aircrew training system and depot development efforts. Fuselage Trainer first article acquisition begins.

FY11 Budget Justification: Continues the training system and depot development efforts. Begins first article acquisition of the Avionics Systems Management Trainer and Integrated Cockpit Systems Trainer. Completes the Fuselage Trainer first article acquisition.

FY12 Budget Justification: Completes first article acquisition of the Avionics Systems Management Trainer and Integrated Cockpit Systems Trainer.

Joint Cargo Aircraft is Budget Activity 05, System Development & Demonstration because it is a new system that has not been fielded yet.

## Exhibit R-2, RDT&amp;E Budget Item Justification

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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 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Previous President's Budget	15.723	42.368	74.433
(U) Current PBR/President's Budget	9.781	20.869	26.777
(U) Total Adjustments	-5.942	-0.131	
(U) Congressional Program Reductions		-21.368	
Congressional Rescissions		-0.131	
Congressional Increases			
Reprogrammings	-5.500		
SBIR/STTR Transfer	-0.442		

(U) **Significant Program Changes:**

- Air Force and Army have agreed on a common aircraft configuration. Therefore, an unique AF-version of the JCA is no longer planned and the Developmental Test aircraft is no longer required.
- JCA Request for Proposals assumed Operational-Level maintenance would be contractor provided. The Air Force will instead use organic support for Operational-Level maintenance. Therefore, a Maintenance Training System must be developed.
- \$5.5M reprogramming for higher priority AF requirements
- Congress appropriated 50% of the President's Budget Request in FY08

## Exhibit R-2a, RDT&amp;E Project Justification

DATE

February 2008

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)		
Cost (\$ in Millions)	FY 2007 Actual	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)	9.781	20.869	26.777	11.391	9.607	19.017	0.000	0.000	98.842
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

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

<b>(U) <u>B. Accomplishments/Planned Program (\$ in Millions)</u></b>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Joint LFT&E and MOT&E	3.150	1.915	9.695
(U) Joint Development Engineering	0.071	9.764	5.999
(U) Aircrew/Maintenance Training System Development			1.336
(U) Engineering, Training, and Logistics Studies	2.350	7.480	8.006
(U) Mission Support	2.210	1.710	1.741
(U) Internal Air Force Reprogramming Action	2.000		
(U) Total Cost	9.781	20.869	26.777

<b>(U) <u>C. Other Program Funding Summary (\$ in Millions)</u></b>	<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>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(U) Air Force Aircraft Procurement			5.439	124.845	265.622	536.532	481.835	445.896	1,860.169
(U) Army RDT&E	5.397	6.495	3.017						
(U) Army ACFT Procurement	71.864	155.982	264.160	301.270	424.125	462.701	461.512	2,913.776	5,055.390

**(U) D. Acquisition Strategy**  
 The Joint Cargo Aircraft (JCA) is an Army/Air Force aircraft program. The program will be obligating FY07-09 RDT&E funding to both the Army Test & Evaluation Center (ATEC) and the Air Force Operational Test and Evaluation Center (AFOTEC) to conduct Live Fire Test & Evaluation (LFT&E) and Multi-Service Operational Test & Evaluation (MOT&E) in accordance with the approved Test and Evaluation Master Plan (TEMP). The program office will also be requesting the prime contractor to conduct engineering, training and logistics studies throughout the first three years of the contract period. The prime contractor will also be tasked to develop solutions for the approved joint engineering requirements and to develop training systems.



Exhibit R-4, RDT&E Schedule Profile

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PROJECT NUMBER AND TITLE

5259 Joint Cargo Aircraft (JCA)

**AF JCA Program Schedule**

FY07				FY08				FY09				FY10				FY11				FY12				FY13				FY14			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Joint LFT&E/MOT&E Program																															
																Maintenance Training System Development/Joint Development Engineering															
Engr/Logistics/Training Studies																															

Exhibit R-4a, RDT&E Schedule Detail

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PROJECT NUMBER AND TITLE

5259 Joint Cargo Aircraft (JCA)

	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) <b>Schedule Profile</b>			
(U) Joint LFT&E and MOT&E	3-4Q	1-4Q	1-4Q
(U) Joint Development Engineering		2-4Q	1-4Q
(U) Maintenance Training System Development		2-4Q	1-4Q
(U) Engineering, Training and Logistics Studies	3-4Q	1-4Q	1-4Q