

**UNCLASSIFIED**

PE NUMBER: 0207423F

PE TITLE: Advanced Communications Systems

<b>Exhibit R-2, RDT&amp;E Budget Item Justification</b>								DATE <b>February 2004</b>	
<b>BUDGET ACTIVITY</b> <b>03 Advanced Technology Development (ATD)</b>				<b>PE NUMBER AND TITLE</b> <b>0207423F Advanced Communications Systems</b>					
Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	11.951	13.917	0.969	0.969	0.000	0.000	Continuing	TBD
5084 AJCN	0.000	11.951	13.917	0.969	0.969	0.000	0.000	Continuing	TBD

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

The Adaptive Joint Command, Control, Communications and Computing, Intelligence, Surveillance and Reconnaissance (C4ISR) Node Advanced Concept Technology Demonstration (ACTD) is developing software programmable Radio Frequency (RF) payloads designed to support Information Superiority. AJCN is an open, Commercial-Off-The-Shelf (COTS) based system that can be remotely programmed on the fly to perform a variety of functions simultaneously: air-to-air assured interopreable communications, electronic warfare (EW), signals intelligence (SIGINT), and computer network operations (CNO). AJCN addresses numerous Mission Needs Statements (MNS), Operational Requirements Documents (ORD), and the Combatant Commanders Integrated Priority Lists (IPL) related to communications, intelligence and Information Operations (IO).

This program is in Budget Activity 3, Advanced Technology Development, since it develops and demonstrates technologies to enhance Air Force operational systems.

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

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Previous President's Budget	0.000	12.053	13.917
(U) Current PBR/President's Budget	0.000	11.951	13.917
(U) Total Adjustments	0.000	-0.102	
(U) Congressional Program Reductions			
Congressional Rescissions		-0.102	
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer			
(U) <b><u>Significant Program Changes:</u></b>			
None.			

**Exhibit R-2a, RDT&E Project Justification**

DATE  
**February 2004**

BUDGET ACTIVITY <b>03 Advanced Technology Development (ATD)</b>					PE NUMBER AND TITLE <b>0207423F Advanced Communications Systems</b>		PROJECT NUMBER AND TITLE <b>5084 AJCN</b>		
Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
5084 AJCN	0.000	11.951	13.917	0.969	0.969	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

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

The Adaptive Joint Command, Control, Communications and Computing, Intelligence, Surveillance and Reconnaissance (C4ISR) Node Advanced Concept Technology Demonstration (ACTD) is developing software programmable Radio Frequency (RF) payloads designed to support Information Superiority. AJCN is an open, Commercial-Off-The-Shelf (COTS) based system that can be remotely programmed on the fly to perform a variety of functions simultaneously: air-to-air assured interopreable communications, electronic warfare (EW), signals intelligence (SIGINT), and computer network operations (CNO). AJCN addresses numerous Mission Needs Statements (MNS), Operational Requirements Documents (ORD), and the Combatant Commanders Integrated Priority Lists (IPL) related to communications, intelligence and Information Operations (IO).

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**(U) B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) System Engineering and Integration		11.272	12.500
(U) Field Evaluation/Military Utililty Assessment		0.586	0.844
(U) Concept of Operations (CONOPS)/TTP Development and Test		0.093	0.573
(U) Total Cost	0.000	11.951	13.917

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

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</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) Army									
(U) DARPA									

**(U) D. Acquisition Strategy**

All major contracts within this Program Element and programs were awarded after full and open competition.