

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2008

BUDGET ACTIVITY 7 - Operational system development	PE NUMBER AND TITLE 0702239A - Avionics Component Improvement Program						PROJECT C92		
COST (In Thousands)	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 Cost
C92 AVIONICS COMPONENT ANALYSIS	1281	1017	1023						3321

A. Mission Description and Budget Item Justification: The Avionics Component Improvement Program (AvCIP) is a Joint Services initiative to combat parts obsolescence, improve reliability, safety and accelerate technology infusion into avionics programs.

FY 2007 funding total includes no funding received in GWOT supplemental.

FY 2008 funding total includes no funding received in the Bridge Supplemental.

FY 2008 funding totals do not include any previously requested funding for current FY 2008 GWOT requirements, and no FY 2008 GWOT funds have been previously requested in the RDTE Project of C92.

<u>Accomplishments/Planned Program:</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Determine critical avionics (communications, navigation, surveillance, sensors, combat identification, mission planning, and interoperability) deficiencies, prioritize and conduct initial technology improvements effort.	853	637	601
Identify software techniques and opportunities associated with open system architectures targeted to reduce initial and recurring avionics integration costs.	323	300	370
Continue Program Management Support	105	52	52
Small Business Innovative Research/Small Business Technology Transfer (SBIR/STTR) Reduction		28	
Total	1281	1017	1023

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<u>B. Program Change Summary</u>	FY 2007	FY 2008	FY 2009
Previous President's Budget (FY 2008/2009)	1020	1024	1030
Current BES/President's Budget (FY 2009)	1281	1017	1023
Total Adjustments	261	-7	-7
Congressional Program Reductions		-7	
Congressional Rescissions			
Congressional Increases			
Reprogrammings	290		
SBIR/STTR Transfer	-29		
Adjustments to Budget Years			-7

FY07: Reprogramming actions were to address emerging obsolescence concerns on Avionics components.

C. Other Program Funding Summary Not applicable for this item.

D. Acquisition Strategy The Acquisition Strategy is to identify emerging avionics performance and obsolescence problems. AvCIP is an initiative that enables streamlined management of present-day common avionics/electronics critical readiness degraders, technology insertion opportunities and cost reduction solutions. The program will annually compete candidate solutions according to criticality of operational contribution, technical risk, return on investment, commonality and breadth of application across multiple platforms.

ARMY RDT&E COST ANALYSIS (R3)

February 2008

BUDGET ACTIVITY			PE NUMBER AND TITLE							PROJECT		
7 - Operational system development			0702239A - Avionics Component Improvement Program							C92		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Determine critical avionics deficiencies and initiate technology improvement efforts.	Various	AMCOM, Redstone Arsenal, AL; CECOM/Fort Monmouth, NJ; JVYS, Huntsville, AL	1263	853	1-3Q	637	1-3Q	601	1-3Q		3354	
Identify SW techniques and opportunities associated w/open system architectures in reduction of cost	Various	AMCOM, Redstone Arsenal, AL	461	323	1-3Q	300	1-3Q	370	1-3Q		1454	
New R3 Line												
Subtotal:			1724	1176		937		971			4808	
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:												
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:												
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:												

ARMY RDT&E COST ANALYSIS (R3)

February 2008

BUDGET ACTIVITY			PE NUMBER AND TITLE							PROJECT	
7 - Operational system development			0702239A - Avionics Component Improvement Program							C92	
PM Spt (AVCIP)	Various	AMCOM, Redstone Arsenal, AL/PM AME	183	105	1Q	52	1Q	52	1Q	392	
SBIR/STTR						28				28	
Subtotal:			183	105		80		52		420	
Project Total Cost:			1907	1281		1017		1023		5228	

Schedule Profile (R4 Exhibit)

February 2008

BUDGET ACTIVITY 7 - Operational system development	PE NUMBER AND TITLE 0702239A - Avionics Component Improvement Program																PROJECT C92											
Event Name	FY 07				FY 08				FY 09				FY 10				FY 11				FY 12				FY 13			
	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
Critical Avionics Improvement Effort	Avionics Improvements																											
Software Techniques Associated with Open System Architectures	Software Techniques																											
Provide PM Admin Support	PM Admin Support																											

Schedule Detail (R4a Exhibit)

February 2008

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<u>Schedule Detail</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>	
Critical Avionics Improvement Effort	1Q - 4Q	1Q - 4Q	1Q - 4Q					
Software Techniques Associated with Open System Architectures	1Q - 4Q	1Q - 4Q	1Q - 4Q					
Provide PM Admin Support	1Q - 4Q	1Q - 4Q	1Q - 4Q					