

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2007

BUDGET ACTIVITY 7 - Operational system development			PE NUMBER AND TITLE 0702239A - Avionics Component Improvement Program						PROJECT C92	
COST (In Thousands)	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 Cost
C92 AVIONICS COMPONENT ANALYSIS	953	1020	1024	1030						4027

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

<u>Accomplishments/Planned Program:</u>	<u>FY 2006</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.	663	770	602	608
Identify software techniques and opportunities associated with open system architectures targeted to reduce initial and recurring avionics integration costs.	155	100	370	370
Continue Program Management Support	135	121	52	52
Small Business Innovative Research/Small Business Technology Transfer (SBIR/STTR) Reduction		29		
Total	953	1020	1024	1030

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<u>B. Program Change Summary</u>	FY 2006	FY 2007	FY 2008	FY 2009
Previous President's Budget (FY 2007)	980	1031	1032	1032
Current BES/President's Budget (FY 2008/2009)	92841	134313	81580	73974
Total Adjustments	91861	133282	80548	72942
Congressional Program Reductions		-4		
Congressional Rescissions				
Congressional Increases				
Reprogrammings		-7		
SBIR/STTR Transfer	-27	-29		
Adjustments to Budget Years		29	-8	-2

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 2007

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 2006 Cost	FY 2006 Award Date	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	600	663	1-3Q	770	1-3Q	602	1-3Q	608	1-3Q		3243	
Identify SW techniques and opportunities associated w/open system architectures in reduction of cost	Various	AMCOM, Redstone Arsenal, AL	306	155	1-3Q	100	1-3Q	370	1-3Q	370	1-3Q		1301	
Subtotal:			906	818		870		972		978			4544	
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2006 Cost	FY 2006 Award Date	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 2006 Cost	FY 2006 Award Date	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 2006 Cost	FY 2006 Award Date	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
PM Spt (AVCIP)	Various	AMCOM, Redstone Arsenal, AL/PM AME	48	135	1-4Q	121	1Q	52	1Q	52	1Q		408	
Subtotal:														

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February 2007

BUDGET ACTIVITY 7 - Operational system development				PE NUMBER AND TITLE 0702239A - Avionics Component Improvement Program								PROJECT C92	
SBIR/STTR							29						29
Subtotal:				48	135		150		52		52		437

Project Total Cost:				954	953		1020		1024		1030		4981
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Schedule Detail (R4a Exhibit)

February 2007

BUDGET ACTIVITY 7 - Operational system development		PE NUMBER AND TITLE 0702239A - Avionics Component Improvement Program					PROJECT C92	
<u>Schedule Detail</u>	<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>
Critical Avionics Improvement Effort	1Q - 4Q	1Q - 4Q	1Q - 4Q	1Q - 4Q				
Software Techniques Associated with Open System Architectures	1Q - 4Q	1Q - 4Q	1Q - 4Q	1Q - 4Q				
Provide PM Admin Support	1Q - 4Q	1Q - 4Q	1Q - 4Q	1Q - 4Q				