

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)								June 2001		
BUDGET ACTIVITY 5 - ENG MANUFACTURING DEV				PE NUMBER AND TITLE 0604329A - Common Missile				PROJECT 013		
COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
013 AIR TO GROUND COMMON MISSILE	0	4923	16731	0	0	0	0	0	0	0
<p><u>A. Mission Description and Budget Item Justification:</u> <u>PLEASE NOTE:</u> This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p> <p>Evolutionary improvements are required to maintain the effectiveness of both Army ground and air combat units given the recent expansion of regional power threats, coupled with the expiration of the current stockpiles. A single missile to accomplish both ground and air missions provides flexibility during combat operations and makes the best use of limited development funds. The Common Missile will provide Bradley equipped forces, the Apache Attack Helicopter (AH-64), the Commanche Reconnaissance Helicopter (RAH-66), and the Future Combat System (FCS) with an enhanced fire and forget (F&F) capability, greatly increasing weapon system effectiveness and soldier and aircraft survivability. The Common Missile will effectively engage and destroy advanced armor on the digital battlefield well into the future. Additionally, the Common Missile will provide increased range and its modularity will provide for future technology-based enhancements. Funding through FY03 will be utilized to reduce and mitigate the risk factor in the Common Missile development. This will be accomplished using SMART (Simulation, Modeling and Acquisition for Requirements and Training), coupled with technology efforts concentrated on seekers, propulsion, warhead group and platform integration. In FY04, the Common Missile will enter the System Development and Demonstration (SDD) Phase with production of 73,000 missiles (Army requirements) commencing in FY08. Government cooperative development of the Common Missile is being actively pursued with the United Kingdom. A Memorandum of Understanding (MOU) is expected to be signed in the 4th Quarter FY01 timeframe. This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).</p> <p><u>FY 2000 Accomplishments</u> Project not funded in FY 2000.</p> <p><u>FY 2001 Planned Program</u></p> <ul style="list-style-type: none"> • 4566 Product Development - Risk Reduction • 211 Management Services - Risk Reduction • 146 Small Business Innovation Research/Small Business Technology Transfer <p>Total 4923</p>										

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PROJECT

013**FY 2002 Planned Program**

- 15051 Product Development - Risk Reduction
- 1680 Management Services - Risk Reduction

Total 16731

<u>B. Program Change Summary</u>	FY 2000	FY 2001	FY 2002	FY 2003
Previous President's Budget (FY2001 PB)	0	4969	6951	0
Appropriated Value	0	4969	0	0
Adjustments to Appropriated Value	0	0	0	0
a. Congressional General Reductions	0	0	0	0
b. Omnibus or Other Above Threshold Reductions	0	0	0	0
c. Below Threshold Reprogramming	0	0	0	0
d. Rescissions	0	-46	0	0
Adjustments to Budget Years Since FY2001 PB	0	0	9780	0
Current Budget Submit (FY 2002/2003 PB)	0	4923	16731	0

Change Summary Explanation:

FY 02/03: Increases (FY02-\$9.7M and FY03-\$19.6M) fund the risk reduction and mitigation efforts necessary for the Common Missile, ensuring the effective transition of promising science and technology concepts to the System Development and Demonstration (SDD) phase.

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C. Other Program Funding Summary	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Compl	Total Cost
C70300 Longbow Hellfire/LBHF	292851	282745	234911	0	0	0	0	0	0	0
C70100 Laser Hellfire Msl	1010	0	6900	0	0	0	0	0	0	0

D. Acquisition Strategy: The Common Missile risk reduction effort will use full and open competition. U.S. Army Aviation and Missile Command (AMCOM) labs will provide assistance and technical expertise during the risk reduction effort.

E. Schedule Profile	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
RISK REDUCTION				0	0	0	0	0
Contract Award Initial Designs		3Q		0	0	0	0	0
Baseline Design Review			3Q	0	0	0	0	0
Complete Performance Modeling				0	0	0	0	0
Complete Virtual Prototypes				0	0	0	0	0
Complete Initial Design CAD/CAE				0	0	0	0	0
Complete Simulation of System in Battlefield				0	0	0	0	0
SYSTEM DEVELOPMENT AND DEMONSTRATION				0	0	0	0	0
Contract Award				0	0	0	0	0
Integration and Testing				0	0	0	0	0
Design/Test/Qual				0	0	0	0	0
System Qualification				0	0	0	0	0
IOTE				0	0	0	0	0

ARMY RDT&E COST ANALYSIS(R-3)									June 2001			
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I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Prime Contracts (Risk Reduction)	TBD	TBD	0	1000	3Q	8714	2Q	0	0	0	0	0
b . Support Contracts (Risk Reduction)	Various	Various	0	3402	1-4Q	5745	1-4Q	0	0	0	0	0
c . Development Engineering (Risk Reduction/SDD)	Various	Various	0	164	1-4Q	592	1-4Q	0	0	0	0	0
d . Prime Contracts (SDD)	TBD	TBD	0	0		0		0	0	0	0	0
Subtotal:			0	4566		15051		0		0	0	0
Remarks: Includes requirements/threat definition, preliminary/detailed design, testing, and hardware-in-the-loop.												
II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0	0		0		0		0	0	0

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III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
			0	0		0		0		0	0	0
Subtotal:												
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . System Engineering/Proj Mgt (Risk Reduction/SDD)	Various	Various	0	357	1-4Q	1680	1-4Q	0	0	0	0	0
Subtotal:			0	357		1680		0		0	0	0
Remarks: Includes salaries and travel for collocated and core personnel.												
Project Total Cost:			0	4923		16731		0		0	0	0