

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 1997		
BUDGET ACTIVITY 5 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604866C ERINT/Patriot PAC-3 Risk Reduction TMD				PROJECT 2257		
COST (\$ In Thousands)	FY 1996 Actual	FY 1997 Estimate	FY 1998 Estimate	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	Cost to Complete	Total Cost
2257 PAC3 Risk Reduction	23,358	0	0	0	0	0	0	0	TBD	TBD
<p>A. Mission Description and Budget Item Justification</p> <p>The ERINT was selected as the PAC-3 missile as a result of successful tests and a thorough evaluation of the missile's capabilities by the U.S. Army. The Dem/Va missile conducted three successful intercepts against tactical ballistic missile and air breathing targets. Following the missile selection, a Defense Acquisition Board (DAB) review of the PAC-3 program was conducted resulting in approval for the PAC-3 missile to enter Engineering and Manufacturing Development (EMD). In support of this decision, the PAC-3 Acquisition Program Baseline (APB) was approved during Feb 95. Efforts have been moving forward in the development and fielding of the PAC-3 System with major upgrades divided into three steps/configurations. Configuration 1 completed Production Confirmatory Testing with First Unit Equipped (FUE) declared during Dec 95. This configuration includes an Expanded Weapons Control Computer (EWCC), an Optical Disk (OD), an Embedded Data Recorder, a Pulse Doppler Processor and a Guidance Enhancement Missile (GEM). Although GEM is not included as a part of Configuration 1, it is included for fielding. Configuration 2 completed comprehensive software testing and received a production decision during Oct 95 for Communication Enhancement Phase I. Configuration 2 also includes Radar Enhancement Phase II, and Classification, Discrimination, and Identification (CDI) Phase I. Configuration 3 completed a System Design Review (SDR) and a Preliminary Design Review (PDR) for the PAC-3 missile segment during FY 95. In addition to the new missile, Configuration 3 also includes Radar Enhancement Phase III, CDI Phase III, and Remote Launch/Communications Enhancement Upgrades (RL/CEU). Efforts now focus on completing the radar and remote launch enhancements to the system, continuing work on PAC-3 integration, and continuing PAC-3 missile EMD. PATRIOT is pursuing integration of PATRIOT BMC3I with the Project Manager, Air Defense Command and Control Systems to take advantage of previous Army developments that can be incorporated into the PATRIOT program.</p> <p><u>FY 1996 (\$ in Thousands)</u></p> <ul style="list-style-type: none"> - \$23,358 Continuation of the Risk Reduction/Mitigation program. - \$23,358 Total <p><u>FY 1997 (\$ in Thousands)</u></p> <ul style="list-style-type: none"> - \$0 - \$0 Total <p><u>FY 1998 (\$ in Thousands)</u></p> <ul style="list-style-type: none"> - \$0 - \$0 Total 										
Project 2257			Page 1 of 2 Pages				Exhibit R-2 (PE 0604866C)			

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<p><u>FY 1999 (\$ in Thousands)</u></p> <p>- \$0</p> <p>- \$0 Total</p>											
B. Program Change Summary (\$ in Thousands)											
		<u>FY 1996</u>		<u>FY 1997</u>		<u>FY 1998</u>		<u>FY 1999</u>	Total <u>Cost</u>		
Previous President's Budget		18,967		0		0		0	18,967		
Appropriated		19,485									
Adjustment to Appropriated		3,873									
Current Budget Submit/President's Budget		23,358		0		0		0	23,358		
Change Summary Explanation:											
Funding: FY 1996 (+3,873): TRF Payback, FY95 (+3.999); realigned to PE 0604865C (-126)											
Schedule: None.											
Technical: None.											
C. Other Program Funding Summary (\$ in Thousands)											
		<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	To <u>Compl</u>	Total <u>Cost</u>
2257, PAC3 Procurement, PE 0208865C		285,989	219,413								976,698
2257, EMD, PE 0604865C		352,547	381,092	206,057	101,403						92,686
2257, Major MILCON, PE 0603865C		1,349									1,349
PAC3 Procurement, SSN C49200*				349,109	369,885	459,233	445,367	433,145	396,760	CONT	CONT
*Army TOA											
D. Schedule Profile											
		<u>FY 1996</u>		<u>FY 1997</u>		<u>FY 1998</u>		<u>FY 1999</u>			
	1	2	3	4	1	2	3	4	1	2	3
											4