

**UNCLASSIFIED**

<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)</b>								<b>DATE</b> February 1999		
<b>APPROPRIATION/BUDGET ACTIVITY</b> RDT&E, Defense Wide/BA 3							<b>R-1 ITEM NOMENCLATURE</b> Alternatives to Antipersonnel Landmines PE 0603121D8Z			
<i>COST(In Millions)</i>	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Cost to Complete	Total Cost
Total Program Element (PE) Cost	2.760	4.687	0	0	0	0	0	0	0.000	7.609
Alternatives to Antipersonnel Landmines/P121	2.760	4.687	0	0	0	0	0	0	0.000	7.609

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

(U) **BRIEF DESCRIPTION OF ELEMENT**

(U) P121, Alternatives to Anti-personnel Landmines (APL). This program element develops, tests, and evaluates area denial systems to replace anti-personnel landmines (APL). APL alternatives include surveillance systems, command and control systems, and overwatch fires which will be evaluated and developed in parallel. Nonlethal technologies will also be evaluated for applicability. During the first phase, various concepts will be defined in detail and examined with emphasis placed on leveraging existing programs. A process to select viable alternatives for further development will be conducted using modeling and simulation along with advanced warfighting experiments. The selected approaches will then enter prototype development, further selection of viable concepts will then enter the engineering and manufacturing development phase. This program currently supports the non-self-destructing APL alternative program, which is being funded (PE 0604808A) and executed by the US Army. Funding for this program ends in 1999.

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(U) **Project Number and Title: P121 Alternatives to Antipersonnel Landmines**

(U) **PROGRAM ACCOMPLISHMENTS AND PLANS**

(U) **FY1998 Accomplishments:**

(U) During FY 1998 the Department conducted a study to quantify the military utility of APL and assess potential alternatives. The APL alternatives considered included: force structure; tactical techniques, and procedures; and technology options. Industry was given the results of the study and solicited for proposals. The top industry candidates were awarded purchase orders in order to develop formal proposals of their alternatives. The Department then completed the evaluation of 52 white papers, 12 of which were chosen for proposal development and submission. Proposal evaluation for contract award has been completed. (\$ 2.760 Million)

(U) **FY1999 Plans:**

(U) During FY 1999 development contracts will be awarded, hardware for the prototype assessment test (PAT) phase will be purchased and the PAT plan and operations order will be finalized. (\$ 4.687 Million)

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<b>(U) B. <u>Program Change Summary</u></b>	<b><u>FY1998</u></b>	<b><u>FY1999</u></b>	<b><u>FY2000</u></b>	<b><u>FY2001</u></b>	<b><u>Total Cost</u></b>
Previous Presidents Budget	2.856	4.753	0	0	7.609
Appropriated Value	2.990	4.753	0	0	Continuing
Adjustments to Appropriated Value					
a. Congressionally Directed Undistributed Reduction	-0.230	-0.066	0	0	
b. Rescission/Below-threshold Reprogramming, Inflation Adjustment	0	0	0	0	
c. Other	0	0	0	0	
Current Presidents Budget	2.760	4.687	0	0	7.447

**Change Summary Explanation:** Funding changes are due to congressional undistributed reductions and inflation adjustments.

- (U) **Funding:** N/A
- (U) **Schedule:** N/A
- (U) **Technical:** N/A
- (U) **C. OTHER PROGRAM FUNDING SUMMARY COST:** N/A
- (U) **D. ACQUISITION STRATEGY:** N/A
- (U) **E. SCHEDULE PROFILE:** N/A