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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

DATE

February 1998

BUDGET ACTIVITY

5 - Engineering and Manufacturing Development

PE NUMBER AND TITLE

0604854A Artillery Systems - Engineering Development

COST <i>(In Thousands)</i>	FY 1997 Actual	FY 1998 Estimate	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	0	0	100	55410	338811	434734	272113	Continuing	Continuing
D509 ATCAS (LW 155 Towed Howitzer)	0	0	0	5000	10600	5300	7700	0	28600
D503 Crusader - ED	0	0	0	50000	327021	429225	260928	Continuing	Continuing
D2KT Crusader Operational Test	0	0	100	410	1190	209	3485	Continuing	Continuing

Mission Description and Budget Item Justification: This program element supports the engineering and manufacturing development efforts for the Crusader-ED program and Crusader Operational Test. The Light Weight (LW) 155mm Towed Howitzer, a joint program with the Marine Corps, will provide the replacement for the M198, 155mm Howitzer and achieve significant strategic and tactical mobility improvements. The projects in this program support research efforts in the engineering and manufacturing development phases of the acquisition strategy and are therefore correctly placed in Budget Activity 5.

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<p>A. <u>Mission Description and Justification:</u> Project D2KT Crusader Operational Test: Crusader operational testing will be conducted to answer issues relating to system effectiveness and suitability. Testing will be performed using simulations and physical testing to project Crusader capabilities from section level (individual howitzer or resupply vehicles) to platoon, battery and battalion levels to determine Crusader mission effectiveness and force structure suitability.</p> <p><u>Acquisition Strategy:</u> Not applicable</p> <p>FY 1997 Accomplishments: Project not funded in FY97</p> <p>FY 1998 Planned Program: Project not funded in FY98</p> <p>FY 1999 Planned Program:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 10%;">■</td> <td style="width: 10%; text-align: right;">100</td> <td>Conduct Crusader crew station tests with soldiers in operational scenarios.</td> </tr> <tr> <td>Total</td> <td style="text-align: right;">100</td> <td></td> </tr> </table> <p>B. <u>Project Change Summary</u></p> <table style="width: 100%; border: none;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>FY 1997</u></th> <th style="text-align: center;"><u>FY 1998</u></th> <th style="text-align: center;"><u>FY 1999</u></th> </tr> </thead> <tbody> <tr> <td>FY 1998/1999 President's Budget</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">499</td> </tr> <tr> <td>Appropriated Value</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Adjustments to Appropriated Value</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FY 1999 President's Budget</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">100</td> </tr> </tbody> </table> <p>Change Summary Explanation: Decrease (-399) in FY99 is due to the revised Acquisition Program Baseline.</p> <p>C. <u>Other Program Funding Summary</u></p> <table style="width: 100%; border: none;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>FY 1997</u></th> <th style="text-align: center;"><u>FY 1998</u></th> <th style="text-align: center;"><u>FY 1999</u></th> <th style="text-align: center;"><u>FY 2000</u></th> <th style="text-align: center;"><u>FY 2001</u></th> <th style="text-align: center;"><u>FY 2002</u></th> <th style="text-align: center;"><u>FY 2003</u></th> <th style="text-align: center;"><u>To Comp</u></th> <th style="text-align: center;"><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>RDTE, BA4, Army, PE 0603854, D505</td> <td style="text-align: center;">229561</td> <td style="text-align: center;">312019</td> <td style="text-align: center;">310881</td> <td style="text-align: center;">305967</td> <td style="text-align: center;">125129</td> <td></td> <td></td> <td></td> <td style="text-align: center;">1283557</td> </tr> <tr> <td>RDTE, BA5, Army, PE 0604854, D503</td> <td></td> <td></td> <td></td> <td style="text-align: center;">50000</td> <td style="text-align: center;">327021</td> <td style="text-align: center;">429225</td> <td style="text-align: center;">260928</td> <td style="text-align: center;">Cont</td> <td style="text-align: center;">Cont</td> </tr> <tr> <td>Procurement, WCTV, Army, G83500</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">42341</td> <td style="text-align: center;">97356</td> <td style="text-align: center;">Cont</td> <td style="text-align: center;">Cont</td> </tr> <tr> <td>Procurement, WCTV, Army, G83600</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">33548</td> <td style="text-align: center;">81763</td> <td style="text-align: center;">Cont</td> <td style="text-align: center;">Cont</td> </tr> </tbody> </table>										■	100	Conduct Crusader crew station tests with soldiers in operational scenarios.	Total	100			<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>	FY 1998/1999 President's Budget	0	0	499	Appropriated Value				Adjustments to Appropriated Value				FY 1999 President's Budget	0	0	100		<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>	<u>To Comp</u>	<u>Total Cost</u>	RDTE, BA4, Army, PE 0603854, D505	229561	312019	310881	305967	125129				1283557	RDTE, BA5, Army, PE 0604854, D503				50000	327021	429225	260928	Cont	Cont	Procurement, WCTV, Army, G83500						42341	97356	Cont	Cont	Procurement, WCTV, Army, G83600						33548	81763	Cont	Cont
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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)						DATE February 1998																																																																																																																																																																															
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