

UNCLASSIFIED

<b>ARMY RDT&amp;E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)</b>	DATE <b>February 2000</b>
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<b>BUDGET ACTIVITY</b> <b>5 - Engineering and Manufacturing Development</b>	<b>PE NUMBER AND TITLE</b> <b>0604622A Family of Heavy Tactical Vehicles</b>
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COST <i>(In Thousands)</i>	FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	7992	1373	0	0	0	0	0	0	9365
D659 Family of Heavy Tactical Vehicles	963	1373	0	0	0	0	0	0	2336
DE50 Trailer Development	3371	0	0	0	0	0	0	0	3371
DE51 Forward Repair System, Heavy	3658	0	0	0	0	0	0	0	3658

**A. Mission Description and Budget Item Justification:** Program element funds various heavy tactical vehicle capabilities to support combat and combat support missions. These missions include the following: line haul, local haul, and unit resupply; and transporting water, ammo, and general cargo. FY99 Project 659 funding supports the Palletized Load System (PLS) safety enhancements. FY00 Project 659 provides funds for a PLS load handling system-compatible water distributor module for construction applications and replenishment/augmentation of fire-fighting operations. Project E50 funding supports requirements for a Trailer R&D program to demonstrate technologies that support the Army's objectives to minimize operational and support costs, while modernizing trailer systems that provide significant benefits to the Army warfighting capability. Project E50 funding also supports the Heavy Equipment Transporter System highway use Engineering & Manufacturing Development and Trailer Modernization for Fuel Transport. Project E51 funding supports Low Rate Initial Production and Testing on the Forward Repair System (FRS) Warfighter Rapid Acquisition Program.

<b>B. Program Change Summary</b>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget ( <u>FY 2000/2001 PB</u> )	8244	0	0
Appropriated Value	8300	1400	
Adjustments to Appropriated Value			
a. Congressional General Reductions	-56		
b. SBIR / STTR	-218		
c. Omnibus or Other Above Threshold Reductions		-6	
d. Below Threshold Reprogramming			
e. Rescissions	-34	-21	
Adjustments to Budget Years Since <u>FY 2000/2001 PB</u>			
Current Budget Submit ( <u>FY 2001 PB</u> )	7992	1373	0

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BUDGET ACTIVITY <b>5 - Engineering and Manufacturing Development</b>	PE NUMBER AND TITLE <b>0604622A Family of Heavy Tactical Vehicles</b>	PROJECT <b>D659</b>
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COST (In Thousands)	FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
D659 Family of Heavy Tactical Vehicles	963	1373	0	0	0	0	0	0	2336

**A. Mission Description and Budget Item Justification:** FY00 Project 659 provides funds for a PLS load handling system-compatible water distributor module for construction applications and replenishment/augmentation of fire-fighting operations

**FY 1999 Accomplishments:**

- 510 Developed/Fabricated Rollover Sensor
  - 408 Tested Sensor
  - 45 Updated Performance Specification
- Total 963

**FY 2000 Planned Program:**

- 685 Award EMD Contract for PLS-mounted Water Distributor Module Prototypes.
  - 380 Conduct Production Qualification Test (PQT) of Module at YPG and Contractor Support of PQT.
  - 271 Preparation of Technical Manuals.
  - 37 Small Business Innovative Research/Small Business Technology Transfer Programs (SBIR/STTR)
- Total 1373

**FY 2001 Planned Program:** Project not funded in FY 2001

<b>B. Other Program Funding Summary</b>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>To Compl</u>	<u>Total Cost</u>
OPA1, DA0500, Family of Heavy Tactical Vehicle	191077	193427	166119	194085	380974	219881	170752	Cont	Cont

**C. Acquisition Strategy:** Limited RDTE followed by competitive production contract award.

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<b>D. Schedule Profile</b>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Complete Purchase Description & EMD Contract Solicitation Package for the Water Distributor Module (WDM)	2Q					
WDM Prototype Contract Award (including PQT)	3Q					
Complete PQT on WDM		3Q				
Performance Specification Complete			1Q			