

# ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2005

## BUDGET ACTIVITY

### 4 - Advanced Component Development and Prototypes

## PE NUMBER AND TITLE

0603□02A - Weapons and Munitions - Adv Dev

COST (In Thousands)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	29906	8321	0	0	0	0	0	0	0	66121
AS2 SMALL ARMS IMPROVEMENT	0	2281	0	0	0	0	0	0	0	3277
AS3 OBJECTIVE INDIVIDUAL COMBAT WEAPON (OICW) PD/RR	29906	6040	0	0	0	0	0	0	0	62844

**A. Mission Description and Budget Item Justification:** This program element addresses the modernization of Small Arms and the advanced component development of the Object Individual Combat Weapon (OICW). Beginning in FY 2006, funds for the Small Arms Improvement in this program element (Project AS2 - Small Arms Improvements) are realigned to PE 0603827 (Project S54 - Small Arms Improvements), while funds for the Objective Individual Combat Weapon in this program element (Project AS3 - Objective Individual Combat Weapon) are realigned to PE 0603827 (Project S55 - Objective Individual Combat Weapon). This realignment manages the Soldier as a system with the goal of increasing Soldiers' combat effectiveness and survivability and improving the Soldiers' quality of life.

Project AS2 (Small Arms Improvements) funds the modernization of existing Small Arms Weapons. It provides funds to develop system integration of subsystems and components and emerging technology designed to enhance lethality, target acquisition, fire control, training effectiveness and reliability for current and future small arms weapon systems and ammunition. Current small arm efforts include two FY05 New Starts: the Remote Weapons Technology program and Airburst Ammo program.

Project AS3 (Objective Individual Combat Weapon) is a program to develop a dual barrel weapon system allowing the Soldier to fire both kinetic energy and air bursting munitions from the same weapon system. The integrated weapon providing both capabilities is the XM-29 Integrated Air Burst Weapon. The XM-8 Modular Assault Weapon is the first increment of the OICW Program. The XM-8 represents state-of-the-art technology for 5.56mm assault weapons and has three variants: a baseline assault carbine; a designated marksman; and a special compact. To meet changing mission requirements, these variants are easily and quickly reconfigured by the individual Soldier with the use of interchangeable assembly groups such as barrel, handguard, buttstock modules, and sighting system. The XM-25 Air Burst Assault Weapon is the second increment of the OICW program. The XM-25 Air Burst Assault Weapon is the air burst portion of the XM29, Integrated Air Burst Weapon. The XM-25 dramatically increases Soldier survivability, standoff and versatility. The air burst weapon provides the Soldier with a 300-500% increase in hit probability to defeat point, area and defilade targets out to approximately 500 meters. The XM-25 weapon includes revolutionary high explosive air bursting munitions and an integrated, multifunctional, all environment, full-solution target acquisition / fire control system.

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<b><u>B. Program Change Summary</u></b>	<b>FY 2005</b>	<b>FY 2006</b>	<b>FY 2007</b>
Previous President's Budget (FY 2005)	2382	0	0
Current Budget (FY 2006/2007 PB)	8321	0	0
Total Adjustments	5939	0	0
Net of Program/Database Changes			
Congressional Program Reductions	-114		
Congressional Rescissions	-7		
Congressional Increases	6300		
Reprogrammings			
SBIR/STTR Transfer	-240		
Adjustments to Budget Years			

FY 2004 Adjustments: FY 2004 Reprogramming \$9.120M (to PE 0603802 Project AS3 for the XM8 Modular Assault Weapon).

<b>ARMY RDT&amp;E BUDGET ITEM JUSTIFICATION (R2a Exhibit)</b>	<b>February 2005</b>
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## 4 - Advanced Component Development and Prototypes

## 060302A - Weapons and Munitions - Adv Dev

## AS2

[illegible]

**A. Mission Description and Budget Item Justification:**Not applicable for this item.

<b>Accomplishments/Planned Program</b>	Not applicable for this item.
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**B. Other Program Funding Summary:** Not applicable for this item.

**C. Acquisition Strategy:** Not applicable for this item.

## February 2005

## AS3

Exhibit R-2A  
Budget Item Justification