

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

May 2009

BUDGET ACTIVITY 7 - Operational system development		PE NUMBER AND TITLE 0603820A - Weapons Capability Modifications UAV			
COST (In Thousands)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	Cost to Complete	Total Cost
D20 UAV WEAPONIZATION CAPABILITY MOD	3766				3766

A. Mission Description and Budget Item Justification: The Extended Range Multi-Purpose (ERMP) Unmanned Aircraft System (UAS) includes and addresses the full scale development and integration of a weapon system capability.

These modifications include the refinement of requirements, the selection of the weapons matched to the aircraft capabilities, hardware and software design, development, and integration with the system.

This will include requisite airframe, mission management software and weapon compatibility modifications necessary to carry and employ weapons. Tests are required to ensure reliable, safe, accurate, and timely weapons stowage and delivery. Weaponization of ERMP includes the full scale development and integration of a modified HELLFIRE missile into the ERMP UAS. Missile development will include type classification and formal materiel release.

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BUDGET ACTIVITY

7 - Operational system development

PE NUMBER AND TITLE

0603820A - Weapons Capability Modifications UAV

B. Program Change Summary

	FY 2008	FY 2009	FY 2010
Previous President's Budget (FY 2009)	3875		
Current BES/President's Budget (FY 2010)	3766		
Total Adjustments	-109		
Congressional program reductions			
Congressional rescissions			
Congressional increases			
Reprogrammings			
SBIR/STTR Transfer	-109		
Adjustments to Budget Years			

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<u>Accomplishments/Planned Program:</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Launcher Modification / Test Equipment / Integration	3766		
Total	3766		

B. Other Program Funding Summary Not applicable for this item.

C. Acquisition Strategy Development/integration of an extended range unmanned aircraft includes a two phased approach. Phase I was a paper downselect to two vendors. Phase II consisted of a competition with a flyoff and downselect to one qualified airframe vendor which occurred on 6 Aug 05. PM UAS in coordination with PM JAMS will integrate the modified HELLFIRE missile system into the ERMP UAS. PM JAMS will design, develop, test, and deliver the modified HELLFIRE missile.