

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)							February 2006		
BUDGET ACTIVITY 7 - Operational system development			PE NUMBER AND TITLE 0603820A - Weapons Capability Modifications UAV					PROJECT D20	
COST (In Thousands)	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
D20 UAV WEAPONIZATION CAPABILITY MOD	0	5323	16532	3930	0	0	0	0	25785
<p><u>A. Mission Description and Budget Item Justification:</u> Weaponization of UAVs includes and addresses the full scale development and integration of a weapons system capability for UAS such as: the Extended Range Multi-Purpose (ER/MP) Unmanned Aircraft System (UAS). These modifications include the refinement of requirements, the iterative selection of the optimum weapons matched to the aircraft capabilities, hardware and software design, development, and integration with the system. This will include requisite airframe, mission management software, or weapon compatibility modifications to allow the system to carry and employ weapons. A spectrum of test will be required to ensure reliable, safe, accurate, and timely weapons stowage and delivery. Weaponization of ER/MP includes the full scale development and integration of modified missile on to the ER/MP. Development of this modified missile will include type classification and formal material release to comply with all life cycle imperatives of armed equipment.</p>									
<u>Accomplishments/Planned Program</u>						<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	
System Development Demonstration						0	4157	12917	
IOT&E / Limited User Test (LUT)						0	1166	3615	
Total						0	5323	16532	

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)				February 2006
BUDGET ACTIVITY 7 - Operational system development		PE NUMBER AND TITLE 0603820A - Weapons Capability Modifications UAV		PROJECT D20
B. Program Change Summary	FY 2005	FY 2006	FY 2007	
Previous President's Budget (FY 2006)	0	0	16281	
Current BES/President's Budget (FY 2007)	0	5323	16532	
Total Adjustments	0	5323	251	
Congressional program reductions				
Congressional rescissions				
Congressional increases		5323		
Reprogrammings				
SBIR/STTR Transfer				
Adjustments to Budget Years			251	
FY 06: Funds were added for ER/MP Weaponization				
<p>D. Acquisition Strategy Development/integration of an extended range air vehicle will include a two phased approach. Phase I involved a paper downselect of two vendors. Phase II involved a competituion and downselect with a flyoff to one qualified airframe vendor which occured on 6 Aug 05. This vendor will be integrated into the One System Ground Control Equipment. Initial activities would include Requirements Analysis and preparation of a Request for Proposal. Long lead items for the one system integration and testing will be ordered.</p>				

ARMY RDT&E COST ANALYSIS (R3)										February 2006		
BUDGET ACTIVITY				PE NUMBER AND TITLE							PROJECT	
7 - Operational system development				0603820A - Weapons Capability Modifications UAV							D20	
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
System Development Demonstration		TBD	0	0		4157	2-3Q	12917	2-3Q	0	17074	17074
Subtotal:			0	0		4157		12917		0	17074	17074
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0									
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
IOT&E / LUT		TBD	0	0		1166	2-3Q	3615	2-3Q	0	4781	4781
Subtotal:			0	0		1166		3615		0	4781	4781
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0									
Project Total Cost:			0	0		5323		16532		0	21855	21855

Schedule Profile (R4 Exhibit)																	February 2006															
BUDGET ACTIVITY					PE NUMBER AND TITLE																	PROJECT										
7 - Operational system development					0603820A - Weapons Capability Modifications UAV																	D20										
Event Name					FY 05				FY 06				FY 07				FY 08				FY 09				FY 10				FY 11			
					1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
(1) System Requirements Review									▲ ₁ SRR																							
(2) Program Design Review									▲ ₂ PDR																							
(3) Contract Design Review									▲ ₃ CDR																							
Proof of Principle Testing Firings													■ PPT Firings (36)																			
(4) Limited User Test Firings													▲ ₄ LUT Firings (4)																			
(5) P+ Missiles Contract Award (CA)													▲ ₅ P+ Msls CA																			
P+ Deliveries (1st)																					■ P+ Deliveries (1st)											
(6) P+ Launcher Contract Option (CO)													▲ ₆ P+ Launcher CO																			
P+ Launcher Deliveries																					■ P+ Launcher Deliveries											
P+ Deliveries (2nd)																									■ P+ Deliveries (2nd)							

Schedule Detail (R4a Exhibit)					February 2006		
BUDGET ACTIVITY 7 - Operational system development		PE NUMBER AND TITLE 0603820A - Weapons Capability Modifications UAV				PROJECT D20	
<u>Schedule Detail</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>
System Development Demonstration			2-3Q	1-2Q			
IOT&E / Limited User Test (LUT)			2-3Q	1-3Q			