

UNCLASSIFIED

PE NUMBER: 0305148F
 PE TITLE: AF Tac Measurement & Sign

Exhibit R-2, RDT&E Budget Item Justification								DATE February 2006	
BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0305148F AF Tac Measurement & Sign					
Cost (\$ in Millions)	FY 2005 Actual	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	13.811	0.000	0.000	0.000	0.000	0.000	0.000	0.000	32.307
5053 ARGUS	13.811	0.000	0.000	0.000	0.000	0.000	0.000	0.000	32.307

(U) A. Mission Description and Budget Item Justification

The Advanced Remote Ground Unattended Sensor (ARGUS) Program will develop an air deliverable, unattended ground sensor design that will be tested and produced by the United States Marine Corps (USMC) Advanced Air Delivered Sensor (AADS) program. The sensor design will provide the USMC and joint forces with Intelligence, Surveillance & Reconnaissance (ISR) derived information for Intelligence Preparation of the Battlespace (IPB) on tactical targets. The system will inherently have the capability to provide situational awareness on mobile targets, to include Time Critical Targets (TCTs). The sensor will be autonomous and report in near real-time. The sensor is designed for 24/7 operations and can be air-delivered or hand-emplaced. Each sensor is self-contained with internal battery power, satellite communication transceiver, and sensor suite. The ARGUS design is a technology refresh and upgrade to the successful STEEL EAGLE and STEEL RATTLER Advanced Concept Technology Demonstrations.

This program is in budget activity 7, Operational Systems Development, because it addresses development and capabilities to support already operational weapon systems.

(U) B. Program Change Summary (\$ in Millions)

	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Previous President's Budget	7.905	0.000	0.000
(U) Current PBR/President's Budget	13.811	0.000	0.000
(U) Total Adjustments	5.906	0.000	
(U) Congressional Program Reductions			
Congressional Rescissions	-0.176		
Congressional Increases	6.350		
Reprogrammings			
SBIR/STTR Transfer	-0.268		

(U) Significant Program Changes:

USAF involvement in the ARGUS program was cancelled at the end of FY05 to support higher priority requirements. ARGUS program completed design phase in FY05 and transitioned test and procurement activity to the USMC AADS.

Exhibit R-2a, RDT&E Project Justification

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BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0305148F AF Tac Measurement & Sign			PROJECT NUMBER AND TITLE 5053 ARGUS		
Cost (\$ in Millions)	FY 2005 Actual	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
5053 ARGUS	13.811	0.000	0.000	0.000	0.000	0.000	0.000	0.000	32.307
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

The Advanced Remote Ground Unattended Sensor (ARGUS) Program will develop an air deliverable, unattended ground sensor design that will be tested and produced by the United States Marine Corps (USMC) Advanced Air Delivered Sensor (AADS) program. The sensor design will provide the USMC and joint forces with Intelligence, Surveillance & Reconnaissance (ISR) derived information for Intelligence Preparation of the Battlespace (IPB) on tactical targets. The system will inherently have the capability to provide situational awareness on mobile targets, to include Time Critical Targets (TCTs). The sensor will be autonomous and report in near real-time. The sensor is designed for 24/7 operations and can be air-delivered or hand-emplaced. Each sensor is self-contained with internal battery power, satellite communication transceiver, and sensor suite. The ARGUS design is a technology refresh and upgrade to the successful STEEL EAGLE and STEEL RATTLER Advanced Concept Technology Demonstrations.

This program is in budget activity 7, Operational Systems Development, because it addresses development and capabilities to support already operational weapon systems.

(U) B. Accomplishments/Planned Program (\$ in Millions)

	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Accomplishments/Planned Program	0.000		
(U) System Development and Demonstration (SDD)	13.811		
(U) Test support to SDD	0.000		
(U) Simulation Support	0.000		
(U) Total Cost	13.811	0.000	0.000

(U) C. Other Program Funding Summary (\$ in Millions)

	<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>	<u>Cost to Complete</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>		
(U) O&M, AF (3400)	0.000	0.000	0.000	0.000	0.000	0.000	0.000		

Funds previously allocated to ARGUS O&M in future years have been reprogrammed to higher priority operational efforts with the termination of ARGUS in FY06.

(U) D. Acquisition Strategy

ARGUS develops the design for a remote measurement and signatures intelligence (MASINT) ground sensor using a spiral approach. ARGUS terminated its activity with the completion of Spiral 1 design activities. AADS will test and produce the design. Future improvements will be addressed by AADS and the acquisition strategy will be determined by the USMC.

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Exhibit R-3, RDT&E Project Cost Analysis

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(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY 2005 Cost</u>	<u>FY 2005 Cost</u>	<u>FY 2005 Award Date</u>	<u>FY 2006 Cost</u>	<u>FY 2006 Award Date</u>	<u>FY 2007 Cost</u>	<u>FY 2007 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
<u>System Development & Demonstration & Contract Termination</u>												
(U) <u>Termination</u> Textron	C/CPAF	ESC, Hanscom AFB, MA		9.750	Aug-04					0.000	9.750	
MIPR to USMC to complete developmental test		USMC		4.061	Mar-05						4.061	
Subtotal System Development & Demonstration & Contract Termination			0.000	13.811		0.000		0.000		0.000	13.811	0.000
Remarks:												
(U) <u>Test & Evaluation</u> 40th Test Wing, Sandia; Joint Munitions Test & Evaluation Program Office; Textron	MIPR, C/CPAF	Eglin AFB, FL; DOE-Washington, DC; Hanscom AFB, MA								0.000	0.000	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Simulation Support</u> Lincoln Lab, SEEK Eagle	FFRDC, MIPR	Hanscom AFB, MA; Eglin AFB, FL		0.000						0.000	0.000	
Subtotal Simulation Support			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
<u>Concept & Technology Development (ACTD Completion)</u>												
(U) <u>Completion</u> Sandia; Joint Munitions T&E Program Office	MIPR	DOE-Washington DC; Eglin AFB, FL		0.000						0.000	0.000	
Subtotal Concept & Technology Development (ACTD Completion)			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) Total Cost			0.000	13.811		0.000		0.000		0.000	13.811	0.000

Exhibit R-4, RDT&E Schedule Profile

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ARGUS/AADS Acronyms & Legend



- ARGUS: Advanced Remote Ground Unattended Sensor
- AADS: Advanced Air-Delivered Sensor
- SRR: System Readiness Review
- PDR: Preliminary Design Review
- CDR: Critical Design Review
- LRIP: Low-Rate Initial Production
- DT/OA: Development Test/Operational Evaluation
- OT&E: Operational Test & Evaluation

 ARGUS activities

 AADS activities

Integrity - Service - Excellence

Semper Fidelis

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Exhibit R-4, RDT&E Schedule Profile

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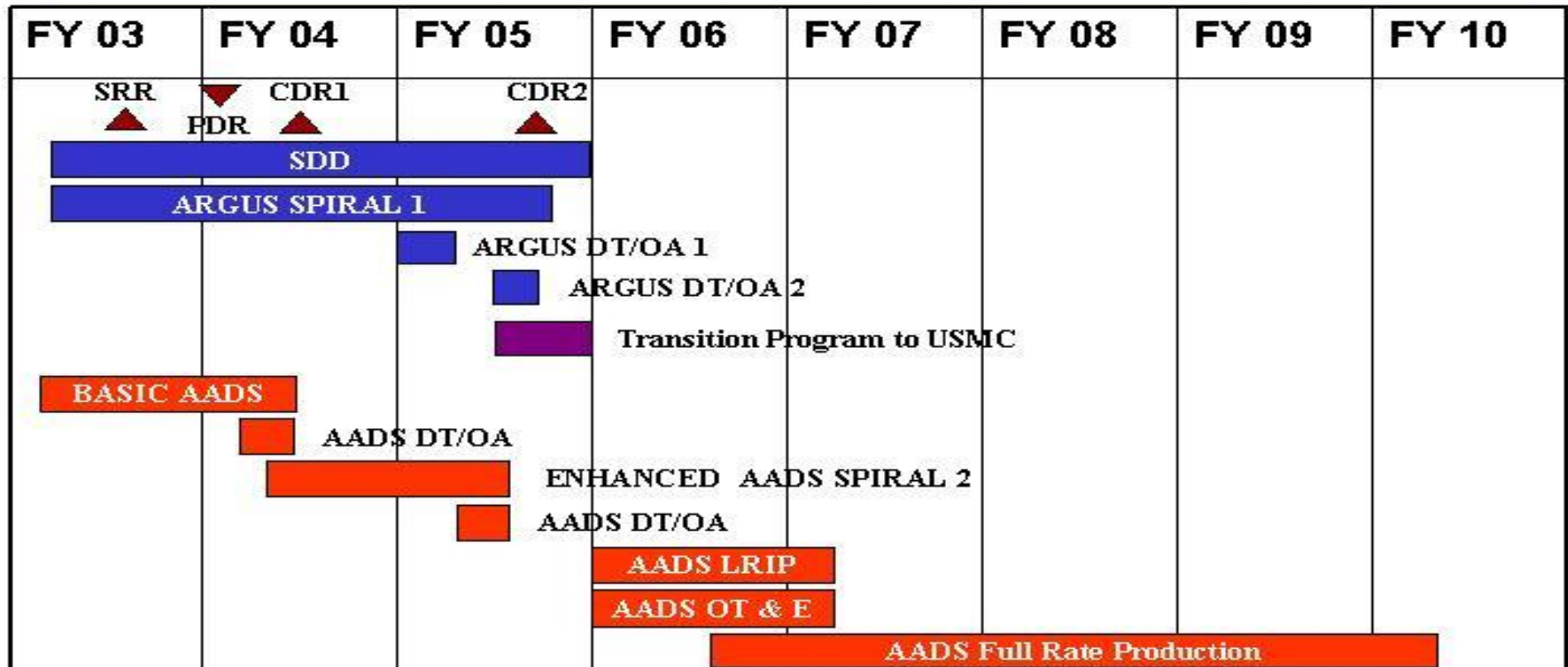
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ARGUS/AADS Schedule



Integrity - Service - Excellence

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Exhibit R-4a, RDT&E Schedule Detail

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(U) <u>Schedule Profile</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) ARGUS Development Test 1, Ballistic Test	1Q		
(U) AADS Development Test 2, Aerobody	2Q		
(U) ARGUS Development Test 2, Ballistic Test	3Q		
(U) Critical Design Review 2, corrections for ballistic test and aerobody	3Q		
(U) Transition program to USMC for initial operational test and production. Terminates USAF involvement after Critical Design Review 2	4Q		