

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

DATE

February 2003

BUDGET ACTIVITY

07 - Operational System Development

PE NUMBER AND TITLE

0305148F AF Tac Measurement & Sign

PROJECT

5053

COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
5053 ARGUS	0	15,259	7,510	15,826	4,087	2,815	3,027	3,067	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

(U) **A. Mission Description**

This program encompasses development of the Advanced Remote Ground Unattended Sensor (ARGUS). ARGUS provides joint forces and other commanders with Intelligence, Surveillance & Reconnaissance (ISR) derived information for Intelligence Preparation of the Battlespace (IPB) on mobile Time Critical Targets (TCTs) autonomously in near real-time. In addition it will provide cueing for wide area sensors on other ISR platforms such as the Joint Surveillance Target Attack Radar System (JSTARS), Predator, U-2, Global Hawk, or the Multi-sensor Command and Control Aircraft (MC2A). ARGUS is designed for 24/7 operations in support of worldwide geographic and climate conditions and can be air-delivered or hand-emplaced. Each sensor is self-contained with internal battery power, 2-way satellite communication transceiver, sensor suite, signal processing, and Global Positioning System. ARGUS will be carried by the F-15E, and will be designed to satisfy requirements of the Marine Corps Tactical Remote Sensor Systems (TRSS) program, delivered by F/A-18.

(U) **FY 2002 (\$ in Thousands)**

(U) \$0 Accomplishments/Planned Program
 (U) \$0 No Activity
 (U) \$0 Total

(U) **FY 2003 (\$ in Thousands)**

(U) \$0 Accomplishments/Planned Program
 (U) \$5,236 Concept and Technology Development
 (U) \$6,138 System Development and Demonstration
 (U) \$3,685 Test Support
 (U) \$200 Simulation Support
 (U) \$15,259 Total

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5053(U) **A. Mission Description Continued**(U) FY 2004 (\$ in Thousands)

(U) \$0	Accomplishments/Planned Program
(U) \$2,186	Concept and Technology Development
(U) \$2,824	System Development and Demonstration
(U) \$500	Simulation Support
(U) \$2,000	Test Support
(U) \$7,510	Total

(U) **B. Budget Activity Justification**

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

(U) **C. Program Change Summary (\$ in Thousands)**

	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Total Cost</u>
(U) Previous President's Budget	0	6,486	10,449	TBD
(U) Appropriated Value		15,486		
(U) Adjustments to Appropriated Value				
a. Congressional/General Reductions		-163		
b. Small Business Innovative Research				
c. Omnibus or Other Above Threshold Reprogram				
d. Below Threshold Reprogram				
e. Rescissions				
(U) Adjustments to Budget Years Since FY 2003 PBR		-64	-2,939	
(U) Current Budget Submit/FY 2004 PBR		15,259	7,510	TBD
(U) <u>Significant Program Changes:</u>				

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5053**(U) D. Other Program Funding Summary (\$ in Thousands)**

	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>Cost to</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>Estimate</u>	<u>Complete</u>	
(U) AF RDT&E										
(U) Other Procurement, AF (3080)	0	0	0	0	9,331	9,946	10,132	10,310		39,719
(U) O&M, AF (3400)	0	0	0	0	2,318	3,258	3,315	3,376		12,267

(U) E. Acquisition Strategy

ARGUS began as an ACTD and the new system will build on that. Proposals will be solicited for development and prototype design through open and competitive bid contract, type cost plus award fee with incentives. ARGUS will be developed and procured using spiral development in order to achieve operational utility in the minimal timeframe. ARGUS will leverage existing advanced Government work where feasible, and other Non-Developmental Items (NDI) to the maximum extent possible. Procurement of production models is planned to use a Firm Fixed Price (FFP) contract structure.

(U) F. Schedule Profile

	<u>FY 2002</u>				<u>FY 2003</u>				<u>FY 2004</u>			
	1	2	3	4	1	2	3	4	1	2	3	4
(U) Program Start	*											
(U) Milestone B						X						
(U) SDD Contract Award							X					
(U) Begin Spiral 1 Development							X					
(U) Ballistics Testing									X			
(U) Begin Spiral 2 Development										X		
(U) Initial OT&E										X		
(U) Complete Spiral 1 Development										X		
(U) Complete Spiral 2 Development												X

Note: * denotes completed event, X denotes planned event

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										DATE February 2003	
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(U) <u>A. Project Cost Breakdown (\$ in Thousands)</u>											
							<u>FY 2002</u>	<u>FY 2003</u>		<u>FY 2004</u>	
(U)	Test						0	3,885		2,500	
(U)	Engineering						0	10,294		4,010	
(U)	Management						0	1,080		1,000	
(U)	Total						0	15,259		7,510	
(U) <u>B. Budget Acquisition History and Planning Information (\$ in Thousands)</u>											
(U) <u>Performing Organizations:</u>											
	<u>Contractor or Government</u>	<u>Contract Method/Type</u>	<u>Award or Obligation</u>	<u>Performing Activity</u>	<u>Project Office</u>	<u>Total Prior to FY 2002</u>	<u>Budget FY 2002</u>	<u>Budget FY 2003</u>	<u>Budget FY 2004</u>	<u>Budget to Complete</u>	<u>Total Program</u>
	<u>Activity</u>	<u>Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>						
	<u>Product Development Organizations</u>										
	TBD	TBD	TBD	N/A	N/A	0	0	10,294	4,010	Continuing	TBD
	<u>Support and Management Organizations</u>										
	ESC/SR	TBD	TBD	N/A	N/A	0	0	1,080	1,000	Continuing	TBD
	<u>Test and Evaluation Organizations</u>										
	TBD	TBD	TBD	N/A	N/A	0	0	3,885	2,500	Continuing	TBD
(U) <u>Government Furnished Property:</u>											
	<u>Contract</u>	<u>Method/Type</u>	<u>Award or Obligation</u>	<u>Delivery</u>		<u>Total Prior to FY 2002</u>	<u>Budget FY 2002</u>	<u>Budget FY 2003</u>	<u>Budget FY 2004</u>	<u>Budget to Complete</u>	<u>Total Program</u>
	<u>Item</u>	<u>or Funding</u>	<u>Date</u>	<u>Date</u>							
	<u>Description</u>	<u>Vehicle</u>									
	<u>Product Development Property</u>										
	<u>Support and Management Property</u>										
	<u>Test and Evaluation Property</u>										

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<u>Subtotals</u>	<u>Total Prior</u> <u>to FY 2002</u>	<u>Budget</u> <u>FY 2002</u>	<u>Budget</u> <u>FY 2003</u>	<u>Budget</u> <u>FY 2004</u>	<u>Budget to</u> <u>Complete</u>	<u>Total</u> <u>Program</u>
Subtotal Product Development	0	0	10,294	4,010	TBD	TBD
Subtotal Support and Management	0	0	1,080	1,000	TBD	TBD
Subtotal Test and Evaluation	0	0	3,885	2,500	TBD	TBD
Total Project	0	0	15,259	7,510	TBD	TBD