

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

DATE

FEBRUARY 2007

APPROPRIATION / BUDGET ACTIVITY
RDT&E, DEFENSE-WIDE / 7

R-1 ITEM NOMENCLATURE / PROJECT NO.

PE 0304210BB Special Applications for Contingencies (SAFC)/9999

COST (Dollars in Millions)	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Cost to Complete	Total Cost
PE0304210BB	15.870	20.074	15.687	16.247	16.747	16.794	17.167	17.545	Cont.	Cont.
9999.PR SAFC	15.870	20.074	15.687	16.247	16.747	16.794	17.167	17.545	Cont.	Cont.

A. Mission Description and Budget Item Justification: The SAFC Program develops and deploys special capabilities to perform intelligence surveillance and reconnaissance for deployed Special Operations Forces (SOF) using non-traditional means. It provides a mechanism for SOF user combat evaluation of emerging technologies capable of detecting and locating fleeting targets. SAFC applies focused R&D for relatively low cost solutions to provide remotely controlled system emplacement and data exfiltration from denied areas. This program also specifically addresses short lead-time contingency planning requirements where focused R&D will allow for test and evaluation of leading edge solutions to an emergent problem set based on requirements validated through a specific Joint Staff/OSD chartered approval process.

B. Program Change Summary:

	<u>FY06</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>
Previous President's Budget	20.815	11.302	15.687	16.247
Current President's Budget	15.870	20.074	15.687	16.247
Total Adjustments	-4.945	8.772		
Congressional Program Reductions		-0.077		
Congressional Rescissions				
Congressional Increases		9.302		
Reprogrammings	-4.476			
Other Program Adjustments				
SBIR Transfer	-0.469	-0.453		

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Funding:

FY06: Decrease is a result of a 1415-1 Prior Approval Reprogramming (No. FY06-17 PA) submitted to Congress in support of a critical O&M Global War on Terrorism shortfall (-\$4.476 million) and transfer to the Small Business Innovative Research (SBIR) account (-\$0.469 million).

FY07: Net increase is a result of a Congressional add (\$9.302 million), SBIR transfer (-\$0.453 million) and Section 8106 reduction (-\$0.077 million).

FY08: N/A.

FY09: N/A.

Schedule: None.

Technical: None.

Exhibit R-2a, RDT&E Project Justification

Date: FEBRUARY 2007

Appropriation/Budget Activity
RDT&E BA # 7

Special Applications for Contingencies/Project 9999

Cost (\$ in millions)	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13
Special Applications for Contingencies	15.870	20.074	15.687	16.247	16.747	16.794	17.167	17.545
RDT&E Articles Quantity								

A. Mission Description and Budget Item Justification: The Special Applications for Contingencies (SAFC) Program develops and deploys special capabilities to perform intelligence surveillance and reconnaissance (ISR) for deployed Special Operations Forces (SOF) using non-traditional means. It provides a mechanism for SOF user combat evaluation of emerging technologies capable of detecting and locating fleeting targets. SAFC applies focused R&D for relatively low cost solutions to provide remotely controlled system emplacement and data exfiltration from denied areas. This program also specifically addresses short lead-time contingency planning requirements where focused R&D will allow for test and evaluation of leading edge solutions to an emergent problem set based on requirements validated through a specific Joint Staff/OSD chartered approval process.

B. Accomplishments/Planned Program. Made significant improvements to expendable Unmanned Aerial Vehicle (UAV) capabilities to include maritime launch and recovery. Developed improvements to long range ground surveillance capabilities and continued integration research for a networked ISR sensor system. TIGERSHARK UAV now supports U.S. and Coalition SOF in the U.S. Central Command theater.

	FY06	FY07	FY08	FY09
SAFC	15.870	20.074	15.687	16.247
RDT&E Articles Quantity				

FY06 Continued development and combat evaluation of selected unmanned delivery platforms and mounted or deliverable ISR sensor systems. Continued to develop, deploy and evaluate advanced auto-pilot technologies. Continued research and development of advanced mobile secure networking and detection technologies to create or enhance deployed, remotely emplaced surveillance architectures. Continued to enhance and evaluate a common ground station. Continued research and assessment of emerging ISR technologies. Continued to research, evaluate and integrate red force tagging, tracking and locating capabilities to enable remote and stand-off emplacement. Additional details are classified.

FY07 Continue development and combat evaluation of selected unmanned delivery platforms and mounted or deliverable ISR sensor systems. Continue to develop, deploy and evaluate advanced auto-pilot technologies. Continue research and development of advanced mobile secure networking and detection technologies to create or enhance deployed, remotely emplaced surveillance architectures. Continue to enhance and evaluate a common ground station. Continue research and assessment of emerging ISR technologies. Additional details are classified.

FY08 Continues development and combat evaluation of selected unmanned delivery platforms and mounted or deliverable ISR sensor systems.

Appropriation/Budget Activity
RDT&E BA #7

Special Applications for Contingencies/Project 9999

Continues to develop, deploy and evaluate advanced auto-pilot technologies. Continues research and development of advanced mobile secure networking and detection technologies to create or enhance deployed, remotely emplaced surveillance architectures. Continues to enhance and evaluate a common ground station. Continues research and assessment of emerging ISR technologies.

FY09 Continues development and combat evaluation of selected unmanned delivery platforms and mounted or deliverable ISR sensor systems. Continues to develop, deploy and evaluate advanced auto-pilot technologies. Continues research and development of advanced mobile secure networking and detection technologies to create or enhance deployed, remotely emplaced surveillance architectures. Continues to enhance and evaluate a common ground station. Continues research and assessment of emerging ISR technologies.

C. Other Program Funding Summary:

	<u>FY06</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>FY12</u>	<u>FY13</u>	To <u>Complete</u>	Total <u>Cost</u>
Proc, SAFC	16.289	9.569	12.047	12.505	12.527	12.555	12.932	13.320	Cont.	Cont.

D. Acquisition Strategy:

- SAFC acquisition strategy is evolutionary and spiral-based for technology insertion and low volume procurement. As a non-standard DOD acquisition program, it allows for maximum flexibility to respond to quickly emerging, short lead time, contingency based requirements that have been approved through an Executive Integrated Product Team chaired by the Joint Staff at national level.

Exhibit R-3 RDT&E Project Cost Analysis

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SPECIAL APPLICATIONS FOR CONTINGENCIES PE0304210BB

Actual or Budget Value (\$ in millions)

Cost Categories (Tailor to WBS, or System/Item Requirements)	Contract Method & Type	Performing Activity & Location	Total PYs Cost	Budget Cost FY07	Award Date FY07	Budget Cost FY08	Award Date FY08	Budget Cost FY09	Award Date FY09	To Complete	Total Program
UAV Capability Development Com Port & Maritime Domain Awareness	MIPR	NAVAIR	32.716	11.174	Dec-06	7.500	Dec-07	7.500	Dec-08	Cont.	Cont.
	TBD	TBD		7.300	Jan-07						7.300
ISR Sensor and Networking Development	MIPR	Various	37.187			4.500	Dec-07	4.500	Dec-08	Cont.	Cont.
TT&L R&D	MIPR	Various	4.491								4.491
Portable Radar	MIPR	DOE	2.500								2.500
FFRDC Support to SOJICC	MIPR	MITRE CECOM	1.001								1.001
FFRDC Support to SOJICC	MIPR	MITRE ESC	0.330								0.330
Technical Collection R&D	MIPR	ASD C3I	3.252								3.252
Special Comms Devices	MIPR	SAF FMB	1.000								1.000
Biometrics	MIPR	SAF FMB	0.500								0.500
NRT Contingency	TBD	Various	6.779	1.325	Various	3.687	Dec-07	4.247	Dec-08	Cont.	Cont.
CP - Tactical Imagery Comm	MIPR	NAVSEA, Arlington VA	1.632								1.632
Subtotal Product Dev			91.388	19.799		15.687		16.247		Cont.	Cont.
Remarks:											
Subtotal Spt											
Remarks:											
Subtotal T&E											
Remarks:											
Program Support	C-CPAF	Jacobs-Sverdrup, Tampa FL		0.275	Dec-06						0.275
Subtotal Management				0.275							0.275
Remarks:											
Total Cost			91.388	20.074		15.687		16.247		Cont.	Cont.
Remarks:											

Exhibit R-4, RDT&E Program Schedule Profile

Date: FEBRUARY 2007

Appropriation/Budget Activity
RDT&E/7

Project Number and Name

9999.PR SAFC

Fiscal Year	2006				2007				2008				2009				2010				2011				2012				2013			
	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	2	3	4
TT&L Capabilities Development	▲	—	—	▲																												
TT&L Technology Integration & Testing	▲	—	—	▲																												
TT&L Prototype Demonstrations	▲	—	—	▲																												
TT&L Combat Evaluation	▲	—	—	▲																												
UV and ISR Capabilities Development	▲	—	—	▲	▲	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△
UV and ISR Technology Integration & Testing	▲	—	—	▲	▲	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△
UV and ISR Prototype Demonstrations	▲	—	—	▲	▲	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△
UV and ISR Combat Evaluation	▲	—	—	▲	▲	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△

