

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)					DATE FEBRUARY 2005					
APPROPRIATION / BUDGET ACTIVITY RDT&E, DEFENSE-WIDE / 7				R-1 ITEM NOMENCLATURE / PROJECT NO. PE 0304210BB Special Applications for Contingencies (SAFC)						

COST (Dollars in Millions)	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	Cost to Complete	Total Cost
PE0304210BB	23.657	21.527	21.116	21.144	25.460	26.012	26.502	26.540	Cont.	Cont.
9999.PR SAFC	23.657	21.527	21.116	21.144	25.460	26.012	26.502	26.540	Cont.	Cont.

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. Program Change Summary:

	<u>FY04</u>	<u>FY05</u>	<u>FY06</u>	<u>FY07</u>
Previous President's Budget	23.764	20.758	20.700	20.680
Current President's Budget	23.657	21.527	21.116	21.144
Total Adjustments	-0.107	0.769	0.416	0.464
Congressional Program Reductions		-0.434		
Congressional Rescissions				
Congressional Increases		1.700		
Reprogrammings	-0.107		0.416	0.464
SBIR Transfer		-0.497		

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<p>Funding:</p> <p>FY04</p> <ul style="list-style-type: none"> - Funds were reduced for congressional pro rata reductions in the FY 2004 Appropriations Conference Report. <p>FY05</p> <ul style="list-style-type: none"> - Congressional plus-up for Tactical Imagery Communications Devices (+\$1,632K) <p>FY06</p> <ul style="list-style-type: none"> - Funds increased to continue research and assessment of emerging ISR technologies. <p>FY07</p> <ul style="list-style-type: none"> - Funds increased to continue research and assessment of emerging ISR technologies. <p>Schedule: None.</p> <p>Technical: None.</p>	

Exhibit R-2a, RDT&E Project Justification

Date: FEBRUARY 2005

Appropriation/Budget Activity
RDT&E BA # 7

Special Applications for Contingencies/Project 9999

Cost (\$ in millions)	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11
Special Applications for Contingencies	23.657	21.527	21.116	21.144	25.460	26.012	26.502	26.540
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 UAV capabilities to include maritime launch and recovery. Developed improvements to long range ground surveillance capabilities and conducted integration research for a networked ISR sensor system.

	FY04	FY05	FY06	FY07
SAFC	23.657	21.527	21.116	21.144
RDT&E Articles Quantity				

FY04 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.

FY05 Initiative partially funded by a Congressional Plus-up to develop a tactical imagery communication device. Continues 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. Continue to research, evaluate and integrate red force tagging, tracking and locating capabilities to enable remote and stand-off emplacement. Additional details are classified.

Exhibit R-2a, RDT&E Project Justification

Date: FEBRUARY 2005

Appropriation/Budget Activity
RDT&E BA # 7

Special Applications for Contingencies/Project 9999

FY06 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. Continues to research, evaluate and integrate red force tagging, tracking and locating capabilities to enable remote and stand-off emplacement. Additional details are classified.

FY07 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. Continues to research, evaluate and integrate red force tagging, tracking and locating capabilities to enable remote and stand-off emplacement. Additional details are classified.

C. Other Program Funding Summary:

	<u>FY04</u>	<u>FY05</u>	<u>FY06</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	<u>FY10</u>	<u>FY11</u>	<u>To Complete</u>	<u>Total Cost</u>
Proc, SAFC	20.633	15.111	16.511	16.554	18.929	19.361	19.379	19.398	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 COST ANALYSIS	DATE: FEBRUARY 2005
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APPROPRIATION / BUDGET ACTIVITY RDT&E DEFENSE-WIDE / 7	SPECIAL APPLICATIONS FOR CONTINGENCIES PE0304210BB
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Actual or Budget Value (\$ in millions)

Cost Categories	Contract	Performing Activity & Location	Total	Budget	Award	Budget	Award	Budget	Award		
(Tailor to WBS, or System/Item Requirements)	Method & Type		PYs	Cost	Date	Cost	Date	Cost	Date	To	Total
			Cost	FY05	FY05	FY06	FY06	FY07	FY07	Complete	Program
UAV Capability Development	MIPR	NAVAIR	16.650	5.900	Dec-04	10.166	Dec-05	10.200	Dec-06	Cont.	Cont.
ISR Sensor and Networking Development	MIPR	Various	18.045	9.392	Dec-04	9.750	Dec-05	9.744	Dec-06	Cont.	Cont.
TT&L R&D	MIPR	Various	4.491							Cont.	Cont.
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	Jan-05					Cont.	Cont.
Biometrics	MIPR	SAF FMB		0.500	Jan-05					Cont.	Cont.
NRT Contingency		Various	2.777	3.103	Jun-05	1.200	TBD	1.200	TBD	Cont.	Cont.
CP - Tactical Imagery Comm	MIPR	TBD		1.632	Mar-05						
Subtotal Product Dev			49.046	21.527		21.116		21.144		Cont.	Cont.

Remarks:

Subtotal Spt											
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Remarks:

Subtotal T&E											
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Remarks:

Subtotal Management											
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Remarks:

Total Cost			49.046	21.527		21.116		21.144		Cont.	Cont.
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Appropriation/Budget Activity RDT&E/7												Project Number and Name 9999.PR SAFC																				
Fiscal Year	2004				2005				2006				2007				2008				2009				2010				2011			
	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
UV, ISR and TT&L Capabilities Development	▲	▲	▲	▲	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△
UV, ISR and TT&L Technology Integration & Testing	▲	▲	▲	▲	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△
UV, ISR and TT&L Prototype Demonstrations	▲	▲	▲	▲	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△
UV, ISR and TT&L Combat Evaluation	▲	▲	▲	▲	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△

