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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 United States Special Operations Command	DATE: February 2010
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APPROPRIATION/BUDGET ACTIVITY			R-1 ITEM NOMENCLATURE								
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 3: <i>Advanced Technology Development (ATD)</i>			PE 1160402BB: <i>Special Operations Advanced Technology Development/S200</i>								
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	78.836	56.727	30.806	0.000	30.806	32.710	37.148	37.768	38.395	Continuing	Continuing
S200: <i>1160402BB SO Advanced Technology Development S200</i>	78.836	56.727	30.806	0.000	30.806	32.710	37.148	37.768	38.395	Continuing	Continuing

A. Mission Description and Budget Item Justification

This element provides for rapid prototyping, Advanced Technology Demonstrations (ATDs) and Joint Capability Technology Demonstrations (JCTDs). It is a means for demonstrating and evaluating the utility of emerging/advanced technologies in operationally relevant environments with Special Operations Forces (SOF) users. This element integrates emerging technologies and presents them in technology demonstrations, in conjunction with joint experiments and other assessment events. Evaluation results often facilitate the initiation of new programs and the insertion of appropriate technologies to acquisition programs. The element also addresses unique, joint special mission or area-specific needs for which a few rapid prototypes must be developed on a responsive basis, or are of sufficient time sensitivity to accelerate prototyping efforts of a normal acquisition program in any phase.

B. Program Change Summary (\$ in Millions)

	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total</u>
Previous President's Budget	65.684	31.675	0.000	0.000	0.000
Current President's Budget	78.836	56.727	30.806	0.000	30.806
Total Adjustments	13.152	25.052	30.806	0.000	30.806
• Congressional General Reductions		-2.988			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		28.040			
• Congressional Directed Transfers		0.000			
• Reprogrammings	14.222	0.000			
• SBIR/STTR Transfer	-1.070	0.000			
• Other Adjustment	0.000	0.000	30.806	0.000	30.806

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: S200: *1160402BB SO Advanced Technology Development S200*

FY 2009	FY 2010

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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 3: <i>Advanced Technology Development (ATD)</i>		R-1 ITEM NOMENCLATURE PE 1160402BB: <i>Special Operations Advanced Technology Development/S200</i>	
<u>Congressional Add Details (\$ in Millions, and Includes General Reductions)</u>		FY 2009	FY 2010
Congressional Add: <i>Congressional Add: Field Experimentation Program For SOF</i>		1.596	1.593
Congressional Add: <i>Congressional Add: Improved Information Transfer For Special Forces</i>		2.394	0.000
Congressional Add: <i>Congressional Add: Photovoltaic Power Supply</i>		2.394	0.000
Congressional Add: <i>Congressional Add: Advanced Distributed Aperture System Hostile Fire Indicating System</i>		21.067	1.036
Congressional Add: <i>Congressional Add: Advanced Craft Tech Demonstrations to Quantify and Mitigate Operator Injury</i>		1.995	0.000
Congressional Add: <i>Congressional Add: Autonomous Rendezvous/Formation Flight</i>		1.995	0.000
Congressional Add: <i>Congressional Add: Partnership for Defense Innovation WiFi Test Laboratory</i>		1.995	2.788
Congressional Add: <i>Congressional Add: Micro-Power Special Operations Generator</i>		1.596	0.000
Congressional Add: <i>Congressional Add: Small Assault Vehicle Expeditionary</i>		0.798	0.000
Congressional Add: <i>Congressional Add: Technology Infusion Cell</i>		0.997	0.000
Congressional Add: <i>Congressional Add: Affordable Miniature Foliage Penetrating Radar for Special Operations Craft-Riverine</i>		0.000	2.788
Congressional Add: <i>Congressional Add: Optical Surveillance Equipment</i>		0.000	1.992
Congressional Add: <i>Congressional Add: CBRN Detection Unmanned Aircraft</i>		0.000	1.593
Congressional Add: <i>Congressional Add: Intelligence, Surveillance, and Reconnaissance Global Sensors Architecture</i>		0.000	1.593
Congressional Add: <i>Congressional Add: Program Increase Helicopter Situational Awareness and Survivability</i>		0.000	9.958
Congressional Add: <i>Congressional Add: Antennas and other CNT Devices for Intelligence/Special Military</i>		0.000	2.988
Congressional Add: <i>Congressional Add: Tiger Moth Air-Launched Off Board Sensing Small Unmanned Aerial System</i>		0.000	1.593
Congressional Add Subtotals for Project: S200		36.827	27.922
Congressional Add Totals for all Projects		36.827	27.922
<u>Change Summary Explanation</u>			
Funding:			

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FY09: Net increase of \$5.652 million is due to Small Business Innovative Research transfer (-\$1.070 million), FY09 Omnibus reprogramming action FY09-26PA (-\$3.205 million), reprogramming for Foliage Penetration efforts \$9.999 million, and a classified requirement (-\$0.072 million). Reprogramming for A160T \$7.500 million. FY10: Net increase of \$25.052 million is due to Section 8097 congressional general reduction (-\$.120), a congressional mark (-\$2.750 million) and the following congressional adds: - Field Experimentation Program for SOF (\$1.600 million) - Advanced Distributed Aperture System Hostile Fire Indicating System (\$1.040 million) - Partnership for Defense Innovation WiFi Test Laboratory (\$2.800 million) - Affordable Miniature Foliage Penetrating Radar for Special Operations Craft-Riverine (\$2.800 million) - Optical Surveillance Equipment (\$2.000 million) - CBRN Detection Unmanned Aircraft (\$1.600 million) - Intelligence, Surveillance, and Reconnaissance Global Sensors Architecture (\$1.600 million) - Program Increase Helicopter Situational Awareness and Survivability (\$10.000 million) - Antennas and other CNT Devices for Intelligence/Special Military (\$3.000 million) - Tiger Moth Air Launched Off Board Sensing Small Unmanned Aerial System (\$1.600 million) FY11: Increase of \$30.806 million is due to the DoD not estimating FY 2011 cost when the FY 2010 President's Budget was prepared. Schedule: None. Technical: None.		

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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 3: <i>Advanced Technology Development (ATD)</i>				R-1 ITEM NOMENCLATURE PE 1160402BB: <i>Special Operations Advanced Technology Development/S200</i>				PROJECT S200: <i>1160402BB SO Advanced Technology Development S200</i>			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
S200: <i>1160402BB SO Advanced Technology Development S200</i>	78.836	56.727	30.806	0.000	30.806	32.710	37.148	37.768	38.395	Continuing	Continuing

Note

In FY09, the Capability Areas were listed separately. Beginning in FY10, the Capability Areas were subsumed under the REITS Sub-Project umbrella. The FY09 funds and accomplishments associated with each Capability Area are listed under the REITS Sub-Project in this President's Budget for clarity.

A. Mission Description and Budget Item Justification

This project conducts rapid prototyping, Advanced Technology Demonstrations (ATDs) and Joint Capability Technology Demonstrations (JCTDs). It is a means for demonstrating and evaluating the utility of emerging/advanced technologies in operationally relevant environments with Special Operations Forces (SOF) users. This project integrates emerging technologies and presents them in technology demonstrations, in conjunction with joint experiments and other assessment events. Evaluation results often facilitate the initiation of new sub-projects and the insertion of appropriate technologies to acquisition programs. The project also addresses unique, joint special mission or area-specific needs for which a few rapid prototypes must be developed on a responsive basis, or are of sufficient time sensitivity to accelerate prototyping efforts of a normal acquisition program in any phase. Sub-projects include:

☐ Rapid Exploitation of Innovative Technologies (REITS). REITS provides USSOCOM the ability to identify, assess and exploit emerging innovative technologies for SOF capability deficiencies and expedite technology transitions from the laboratory to operational use. These technologies provide new transformational capabilities and immediate operational impacts, while providing a compass for the direction of future SOF procurement. REITS supports both top-down and bottom-up approaches for USSOCOM Components, Theater Special Operations Commands and Special Operations Task Forces to articulate innovative technology recommendations. Requirements are submitted to USSOCOM for review and approval. The approval process is through the USSOCOM Quick Reaction Board (USSOCOM QRB). The USSOCOM QRB is chaired by the USSOCOM Deputy Commander. Members include the Director of Operations, Director of Requirements, the USSOCOM Acquisition Executive, Science Advisors, and the Interagency Task Force Director. The tenets of the QRB are to promote speed, evolution, collaboration, and engagement. An individual Technology Activity can be submitted from every echelon of command through the USSOCOM "HardEdge" portal for initial evaluation and distribution to industry, academia, laboratories or our in-country mobile technology complex to build the solution. The process is detailed in a USSOCOM Directive, "Rapid Technology Support to Special Operations."

☐ C4, ISR and Sensors Capability Area. Exploit emerging technologies to conduct ATDs that provide SOF with a robust C4 and intelligence capability to ensure uninterrupted information exchange, influence situations to support mission accomplishments, and reduce an adversary's ability to use information. Exploit technologies to conduct ATDs that provide SOF with increased sensory performance. Achieve near real-time data fusion for sensor systems.

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☐ Mobility, Power and Energy Capability Area. Exploit emerging technologies to conduct ATDs that provide SOF with survivable mobility capabilities on high threat areas and with enhanced situational awareness. Exploit emerging technologies to allow reconnaissance and conduct direct action in high threat areas using unmanned systems. Exploit power system technologies for signature reduction. Develop advanced energy storage for underwater vehicles. ☐ SOF Warrior Capability Area. Exploit emerging technologies to conduct ATDs that provide SOF with increased survivability and performance. Enhance individual operator capabilities. ☐ Weapons and Munitions Capability Area. Exploit technologies for tunable weapons. • Tagging, Tracking, and Locating (TTL) Technologies Sub-Project. Exploit emerging technologies to utilize the USSOCOM/DoD TTL Science & Technology Roadmap and the TTL Quick Look Capabilities Assessment. Exploit emerging technologies to locate and track targets or items of interest. Pursue advanced development and prototyping of TTL capabilities that have been proven to be feasible and operationally useful in Special Operations Advanced Technology Development. • National to Theater Transition Sub-Project. Conduct additional testing required to transition items from our national forces to theater forces. • Classified Sub-Project (provided under separate cover). • Iridium-Global Positioning System (I-GPS) Sub-Project. Conduct a proof of concept study of I-GPS to evaluate the capability to provide handsets capable of using signals from iridium and GPS satellites to provide anti-jam, positioning, and timing accuracy capabilities. The following technology activities were added by Congress: ☐ Field Experimentation Program for Special Operations. Prototype and evaluate manned-unmanned platform and sensor networks to articulate new concepts of operation and employment for SOF. ☐ Improved Information Transfer for Special Forces. Apply real-time knowledge management tools using information technologies and cognitive science to meet urgent Special Operations intelligence requirements. ☐ Photovoltaic Power Supply. Develop high efficiency photovoltaic power sources for the deployment of autonomous sensors.		

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☐ Advanced Distributed Aperture System (ADAS) Hostile Fire Indicating System (HFIS). Develop and initiate acquisition of the ADAS HFIS required for Special Forces Black Hawk helicopters.		
☐ Advanced Craft Technology Demonstrations to Quantify and Mitigate Operator Injury. Rapidly field two operational demonstrators to evaluate a shock-mitigating craft with advanced composite materiel and advanced hull design to reduce operational injuries.		
☐ Autonomous Rendezvous/Formation Flight. Develop the capability for aircraft to maintain position while staying very stable in formation fixed to relative position of other aircraft conditions.		
☐ Partnership for Defense Innovation WiFi Test Laboratory. Rapidly evaluate and integrate commercial-off-the-shelf (COTS) and government-off-the-shelf (GOTS) secure wireless network technologies that are relevant to the SOF Warrior.		
☐ Micro-Power Special Operations Generator. Develop a low-signature, rugged, 2-man-portable, multi-fuel, power generator for SOF missions.		
☐ Small Assault Vehicle Expeditionary. Upgrade and optimize the Small Versatile Maritime Mobility Craft platform through hull design and engine replacement.		
☐ Technology Infusion Cell. Provide independent, unbiased research and rapid prototype development of emerging technologies to assist SOF to successfully train and fight the war on terror.		
☐ Affordable Miniature Foliage Penetrating Radar for Special Operations Craft-Riverine (SOC-R). Develop radar capable of penetrating the foliage in riverine and coastal environments at ranges consistent with mission parameters.		
☐ Optical Surveillance Equipment. This system will allow SOF to reproduce large-format/high-resolution calibration patterns used for performance analysis of surveillance systems in black and white, color, and multi-spectral bands.		
☐ Chemical, Biological, Radiological, and Nuclear (CBRN) Detection Unmanned Aircraft. Assess the capability and feasibility of operating an Advanced Developed CBRN Detection Payload integrated in a Vertical Take-off/Landing (VTOL) Unmanned Aerial Vehicle (UAV).		
☐ Intelligence, Surveillance, and Reconnaissance Global Sensors Architecture. Develop an architecture to achieve near real-time data fusion for deployed sensor systems.		

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☐ Increase Helicopter Situational Awareness and Survivability. Continue to develop the Advanced Distributed Aperture System (ADAS) program (sensors, 3-D audio, and ADAS processor).								
☐ Antennas and other Carbon Nano Tube (CNT) Devices for Intelligence/Special Military. Research, develop and demonstrate antennas and other devices for specialized intelligence and military communications.								
☐ Tiger Moth Air-Launched Off Board Sensing Small Unmanned Aerial System (UAS). Demonstrate an inexpensive, compact UAV that can be launched from many types of vehicles (ground, sea and air) to enhance the capabilities and situational awareness of the warfighter.								
<u>B. Accomplishments/Planned Program (\$ in Millions)</u>								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Rapid Exploitation of Innovative Technologies for SOF (REITS) Sub project - C4 /ISR/ Sensors Capability Area <i>FY 2009 Accomplishments:</i> FY09 Continued the Data Object Protection System, continued Harbor Intruder Joint Concept Technology Demonstration (JCTD), and developed better Fuel Cells for Unmanned Aerial Systems. <i>FY 2010 Plans:</i> FY10 Continues the Harbor Intruder JCTD. Develops a secure wireless headset. Develops and transitions the Operational 3D JCTD. Initiates the Sea Tracker JCTD and Joint UAS Precision Targeting JCTD. <i>FY 2011 Base Plans:</i> FY11 Develop advanced processing techniques, persistent surveillance, and advanced multi-function defined radios.				3.731	4.100	6.519	0.000	6.519
Rapid Exploitation of Innovative Technologies for SOF (REITS) Sub project - Mobility/Power and Energy Capability Area				19.399	3.000	3.000	0.000	3.000

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B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2009 Accomplishments: FY09 Conducted planning, payload integration, air vehicle improvements, and training in support of multiple operational demonstrations to evaluate the military utility of the A-160T unmanned aerial vehicle. Integrated two electro-optical infrared sensors to be tested on the A-160T. Continued the Combat Autonomous Mobility System (CAMS) JCTD and the Small Unmanned Aerial System (SUAS) development.						
FY 2010 Plans: FY10 Integrates the CAMS into SOF mobility platforms for ISR; develops a prototype Small Assault Vehicle Expeditionary (SAVE) Light Combatant Craft. Develops a multi-fuel outboard engine. Investigates application of graphite foam for heat transfer applications. Develops fuel cells for all environment capable variant.						
FY 2011 Base Plans: FY11 Pursue low-observable and counter low-observable technologies. Develop advanced lightweight armor and materials. Investigate multi-domain mobility platforms.						
Rapid Exploitation of Innovative Technologies for SOF (REITS) Sub project - SOF Warrior Survivability Technologies Capability Area		0.450	2.500	2.750	0.000	2.750
FY 2009 Accomplishments: FY09 Continued frangible ammunition project. Continued diver/crewman thermal protection technology.						
FY 2010 Plans: FY10 Continued shock and vibration mitigation activity and diver/crewman thermal protection technology. Investigates state of technology of transparent armor. Pursue use of superhydrophobics.						

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B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 Base Plans: FY11 Reduce the load of the operator. Provide advanced protection and visualization; and training systems.						
Rapid Exploitation of Innovative Technologies for SOF (REITS) Sub project - Weapons and Munitions Capability Area FY 2010 Plans: FY10 Optimize small arms signature suppression. FY 2011 Base Plans: FY11 Pursue precision guided munitions and tunable weapons.		0.000	2.394	2.250	0.000	2.250
Tagging, Tracking, and Locating (TTL) Technologies Sub-Project FY 2009 Accomplishments: FY09 Continued projects from the USSOCOM/DoD TTL project database. Exploited emerging technologies to locate and track targets or items of interest. Projects will include: leveraging and cooperative efforts with DoD, other government agencies and industry. FY 2010 Plans: FY10 Continue projects from the USSOCOM/DoD TTL project database that exploits and integrate TTL proven relevant technologies. Exploit emerging technologies to locate and track targets or items of interest. Projects will include: leveraging and cooperative efforts with DoD, other government agencies and industry. FY 2011 Base Plans: FY11 Continues projects from the USSOCOM/DoD TTL project database that exploits and integrate TTL proven relevant technologies. Exploits emerging technologies to locate and track targets or items		12.119	12.355	12.369	0.000	12.369

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B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
of interest. Projects will include: leveraging and cooperative efforts with DoD, other government agencies and industry.						
Classified Sub project <i>FY 2009 Accomplishments:</i> FY09 Details provided under separate cover. <i>FY 2010 Plans:</i> FY10 Details provided under separate cover. <i>FY 2011 Base Plans:</i> FY11 Details provided under separate cover.		4.236	2.491	1.974	0.000	1.974
National to Theater Transition Sub-Project <i>FY 2010 Plans:</i> FY10 Conducts additional testing and evaluation required on various equipment items being transitioned to the SOF Theater Forces. <i>FY 2011 Base Plans:</i> FY11 Conduct additional testing and evaluation required on various equipment items being transitioned to the SOF Theater Forces.		0.000	1.965	1.944	0.000	1.944
Iridium Global Positioning System (I-GPS) Sub-Project <i>FY 2009 Accomplishments:</i> FY09 Conducted a proof-of-concept study of I-GPS to evaluate the capability to provide handsets capable of using signals from iridium and global positioning system satellites to provide anti-jam, positioning, and timing accuracy capabilities.		2.074	0.000	0.000	0.000	0.000

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B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Accomplishments/Planned Programs Subtotals		42.009	28.805	30.806	0.000	30.806
		FY 2009	FY 2010			
Congressional Add: Congressional Add: Field Experimentation Program For SOF FY 2009 Accomplishments: FY09 Effort focused on joint, coalition efforts exploiting emerging commercial communications, networks, and data handling solutions. FY 2010 Plans: FY10 Effort focuses on joint, coalition efforts exploiting emerging commercial communications, networks, and data handling solutions.		1.596	1.593			
Congressional Add: Congressional Add: Improved Information Transfer For Special Forces FY 2009 Accomplishments: FY09 Established a prototype global sensor network, research, development, test, and evaluation environment to migrate and integrate existing and future close-access and persistent intelligence, surveillance, and reconnaissance capabilities into the SOF information environment.		2.394	0.000			
Congressional Add: Congressional Add: Photovoltaic Power Supply FY 2009 Accomplishments: FY09 Developed of highly efficient photovoltaic solar cells to be used on autonomous sensors.		2.394	0.000			
		21.067	1.036			

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B. Accomplishments/Planned Program (\$ in Millions)		
	FY 2009	FY 2010
Congressional Add: Congressional Add: Advanced Distributed Aperture System Hostile Fire Indicating System <i>FY 2009 Accomplishments:</i> FY09 Complete development and initiate acquisition of the ADAS HFIS required for Special Forces Black Hawk helicopters. <i>FY 2010 Plans:</i> FY10 Complete development and initiate acquisition of the ADAS HFIS required for Special Forces Black Hawk helicopters.		
Congressional Add: Congressional Add: Advanced Craft Tech Demonstrations to Quantify and Mitigate Operator Injury <i>FY 2009 Accomplishments:</i> FY09 Rapidly fielded two operational demonstrators for evaluation of a shock-mitigating craft with advanced composite materiel and advanced hull design to reduce operational injuries.	1.995	0.000
Congressional Add: Congressional Add: Autonomous Rendezvous/Formation Flight <i>FY 2009 Accomplishments:</i> FY09 Developed the capability for aircraft to maintain position while staying very stable in formation fixed to relative position of other aircraft in instrument meteorological conditions.	1.995	0.000
Congressional Add: Congressional Add: Partnership for Defense Innovation WiFi Test Laboratory <i>FY 2009 Accomplishments:</i> FY09 Rapidly evaluated and integrated COTS and GOTS secure wireless network technologies that are relevant to the SOF Warrior.	1.995	2.788

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B. Accomplishments/Planned Program (\$ in Millions)		
	FY 2009	FY 2010
<i>FY 2010 Plans:</i> FY10 Rapidly evaluate and integrate COTS and GOTS secure wireless network technologies that are relevant to the SOF Warrior.		
Congressional Add: Congressional Add: Micro-Power Special Operations Generator <i>FY 2009 Accomplishments:</i> FY09 Developed a low signature, rugged, 2-man-portable, multi-fuel, power generator for SOF missions.	1.596	0.000
Congressional Add: Congressional Add: Small Assault Vehicle Expeditionary <i>FY 2009 Accomplishments:</i> FY09 Provided upgrades and optimization to the Small Versatile Maritime Mobility Craft platform through hull design and engine replacement.	0.798	0.000
Congressional Add: Congressional Add: Technology Infusion Cell <i>FY 2009 Accomplishments:</i> FY09 Provided independent, unbiased research and rapid prototype development of emerging technologies to assist SOF to successfully train and fight in overseas contingency operations.	0.997	0.000
Congressional Add: Congressional Add: Affordable Miniature Foliage Penetrating Radar for Special Operations Craft-Riverine <i>FY 2010 Plans:</i> Congressional Add: Affordable Miniature Foliage Penetrating Radar for Special Operations Craft-Riverine	0.000	2.788

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B. Accomplishments/Planned Program (\$ in Millions)		
	FY 2009	FY 2010
Congressional Add: Congressional Add: Optical Surveillance Equipment <i>FY 2010 Plans:</i> FY10 This system will allow the reproduction of large-format/high-resolution calibration patterns used for performance analysis of surveillance systems in black and white, color, and multi-spectral bands.	0.000	1.992
Congressional Add: Congressional Add: CBRN Detection Unmanned Aircraft <i>FY 2010 Plans:</i> FY10 Assess the capability and feasibility of operating an Advanced Developed CBRN Detection Payload integrated in a Vertical Take-off/Landing Unmanned Aerial Vehicle.	0.000	1.593
Congressional Add: Congressional Add: Intelligence, Surveillance, and Reconnaissance Global Sensors Architecture <i>FY 2010 Plans:</i> FY10 This project fulfills an urgent need by Special Operating Forces (SOF) to achieve near real-time data fusion for deployed sensor systems. This project will supplement and enhance the SOF warfighters both in Iraq and Afghanistan.	0.000	1.593
Congressional Add: Congressional Add: Program Increase Helicopter Situational Awareness and Survivability <i>FY 2010 Plans:</i> FY10 Continue the development of the Advanced Distributed Aperture System (ADAS) program (sensors, 3-D audio, and ADAS processor), which was started under the FY09 Congressional Add called ADAS.	0.000	9.958

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Exhibit R-2A, RDT&E Project Justification: PB 2011 United States Special Operations Command		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 3: <i>Advanced Technology Development (ATD)</i>	R-1 ITEM NOMENCLATURE PE 1160402BB: <i>Special Operations Advanced Technology Development/S200</i>	PROJECT S200: <i>1160402BB SO Advanced Technology Development S200</i>
B. Accomplishments/Planned Program (\$ in Millions)		
	FY 2009	FY 2010
Congressional Add: Congressional Add: Antennas and other CNT Devices for Intelligence/Special Military <i>FY 2010 Plans:</i> FY10 Conduct research, development and demonstration of antennas and other devices for specialized intelligence and military communications.	0.000	2.988
Congressional Add: Congressional Add: Tiger Moth Air-Launched Off Board Sensing Small Unmanned Aerial System <i>FY 2010 Plans:</i> FY10 An inexpensive, compact UAV that can be launched from many types of vehicles (ground, sea and air) to enhance the capabilities and situational awareness of the warfighter.	0.000	1.593
Congressional Adds Subtotals	36.827	27.922
C. Other Program Funding Summary (\$ in Millions) N/A		
D. Acquisition Strategy N/A		
E. Performance Metrics N/A		

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