

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)					DATE FEBRUARY 2004				
APPROPRIATION / BUDGET ACTIVITY RDT&E, DEFENSE-WIDE / 7			R-1 ITEM NOMENCLATURE / PROJECT NO. PE 1160405BB Special Operations (SO) Intelligence Systems Development						

COST (Dollars in Millions)	FY03	FY04	FY05	FY06	FY07	FY08	FY09	Cost to Complete	Total Cost
PE1160405BB	6.670	47.084	25.015	24.520	22.151	23.782	30.434	Cont.	Cont.
S400, SO INTELLIGENCE	6.670	47.084	25.015	24.520	22.151	23.782	30.434	Cont.	Cont.

A. Mission Description and Budget Item Justification:

This program element provides for the identification, development, and testing of Special Operations Forces (SOF) intelligence equipment to identify and eliminate deficiencies in providing timely intelligence to deployed forces. Sub-projects within this program element address the primary areas of intelligence dissemination, sensor systems, integrated threat warning to SOF mission platforms, and tactical exploitation of national system capabilities. USSOCOM has developed an overall strategy to ensure that Command, Control, Communications, Computers, and Intelligence (C4I) systems continue to provide SOF with the required capabilities into the 21st century. USSOCOM's C4I systems comprise an integrated network of systems providing positive command and control and timely exchange of intelligence and threat warning to all organizational echelons. The C4I systems that support this new architecture will employ the latest standards and technology by transitioning from separate systems to full integration with the infosphere. The infosphere will allow SOF elements to operate with any force combination in multiple environments. The intelligence programs funded in this project are grouped by the level of organizational element they support: Operational Element (Team), Above Operational Element (Deployed), and Above Operational Element (Garrison).

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B. Program Change Summary:			
Previous President's Budget	4.648	16.726	15.679
Current President's Budget	6.670	47.084	25.015
Total Adjustments	2.022	30.358	9.336
Congressional Program Reductions		-0.419	
Congressional Rescissions			
Congressional Increases		22.750	
Reprogrammings	2.022	8.926	9.336
SBIR Transfer		-0.899	
Funding:			
FY03			
- Internal reprogrammings within the Command resulted in a net increase of \$2.022M to this program element for the following programs:			
- \$0.261M for development of the Multi-Mission Advanced Tactical Terminal program's embedded Integrated Broadcast Service (IBS) Receiver.			
- \$0.435M for development of a Digital Video Broadcast System.			
- \$0.300M for completion of development of the Joint Threat Warning System Ground Signals Intelligence Kit.			
- \$1.026M for development of the Special Operations Joint Interagency Collaboration Center.			
FY04			
- Congressional increases of \$22.750M for the following programs:			
- \$2.450M for the development of the Joint Threat Warning System.			
- \$10.200M for the development of the Tactical Information Display.			
- \$4.000M for the development of the Advanced Manpack Threat Warning and Survival System.			

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<p>- \$0.500M for the completion of development of the Multi-Mission Advanced Tactical Terminal program's Embedded IBS Receiver (EIR) technology.</p> <p>- \$1.500M for the development of the Optimal Placement of Unattended Sensors.</p> <p>- \$1.600M for the development of the Special Operations Joint Interagency Collaboration Center.</p> <p>- \$1.750M for the development of the Covert Waveform.</p> <p>- \$0.750M for the development of the Integrated Survey Program.</p> <p>- Funds were reduced for congressional pro rata reductions in the FY 2004 Appropriations Conference Report and for program share of Small Business Innovative Research calculation.</p> <p>- OSD reprogrammed management of the Counter-proliferation Analysis and Planning System (CAPS) program from DTRA to USSOCOM beginning in FY04</p> <p>FY05</p> <p>- Transfer of funds from DTRA to USSOCOM (\$9.398M) for CAPS.</p> <p>- Funds were adjusted based on current inflation factors (-\$0.062M).</p> <p>Schedule: None.</p> <p>Technical: The Remote Miniature Weather Station (RMWS) was moved to program element 1160404BB Special Operations Tactical Systems Development, subproject S700 Special Operations Communications Advanced Development since RMWS did not qualify as a Tactical Intelligence and Related Activities program.</p>	

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Cost (\$ in millions)	FY03	FY04	FY05	FY06	FY07	FY08	FY09
SO Intelligence	6.670	47.084	25.015	24.520	22.151	23.782	30.434
RDT&E Articles Quantity							

A. Mission Description and Budget Item Justification: This project provides for the identification, development, and testing of Special Operations Forces (SOF) intelligence equipment to identify and eliminate deficiencies in providing timely intelligence to deployed forces. Sub-projects below address the primary areas of intelligence dissemination, sensor systems, integrated threat warning to SOF mission platforms, and tactical exploitation of national system capabilities. USSOCOM has developed an overall strategy to ensure that Command, Control, Communications, Computers, and Intelligence (C4I) systems continue to provide SOF with the required capabilities throughout the 21st century. USSOCOM's C4I systems comprise an integrated network of systems providing positive command and control and timely exchange of intelligence and threat warning to all organizational echelons. The C4I systems that support this new architecture will employ the latest standards and technology by transitioning from separate systems to full integration with the infosphere. The infosphere will allow SOF elements to operate with any force combination in multiple environments. The intelligence programs funded in this project will meet annual emergent requirements and are grouped by the level of organizational element they support: Operational Element (Team), Above Operational Element (Deployed), and Above Operational Element (Garrison). Sub-projects include:

OPERATIONAL ELEMENT (TEAM)

- Multi-Mission Advanced Tactical Terminal (MATT). The MATT is an Evolutionary Acquisition (EA) program that provides threat warning, force protection, enhanced situational awareness, and target acquisition information to SOF via receipt of Integrated Broadcast Service (IBS) data. IBS data supports mission planning and execution by aiding the warfighter with course of action analysis during infiltration and exfiltration from operating areas. The MATT program will employ continuing technology updates to address the changing threat environment by integrating IBS capabilities with Command, Control, Communications, and Intelligence (C3I) systems, e.g., Tactical Local Area Network (TACLAN), Joint Threat Warning System (JTWS), Common Avionics Architecture for Penetration (CAAP)-Enhanced Situational Awareness (ESA). MATT provides globally deployed SOF with an en-route capability to receive near-real-time intelligence data on the changing threat and target environment. The deployed teams and aircrews rely heavily on near-real-time IBS information to support combat mission planning, updates, and execution, including combat search and rescue, providing threat avoidance, detection, targeting, and blue force tracking information. MATT simultaneously receives, demodulates, decrypts, filters, processes, correlates, formats, and distributes four channels of IBS intelligence data. The Briefcase MATT (BMATT) is a smaller, two-channel IBS receiver with an integrated laptop for control and data display. The next generation system will be the Embedded IBS Receiver (EIR). This will be

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available in a rugged, tactical terminal version for airborne applications (known as the Intelligence Broadcast Receiver (IBR) or as a module [known as the Embedded National Tactical Receiver (ENTR)] to embed into a variety of host systems, (e.g., TACLAN, JTWS, tactical radios).

- National Systems Support to SOF (NSSS). The NSSS is a research and development rapid prototyping program. NSSS improves the combat effectiveness of USSOCOM, its components, and the Theater Special Operations Commands by leveraging service and national agency development efforts on space-based intelligence and communications technologies and systems. This includes Imagery Intelligence, Signals Intelligence (SIGINT), and Measurement and Signature Intelligence processing and tactical display technologies and capabilities; evolving global information dominance technologies; and related meteorological, oceanographic, and space weather developments and architectures. NSSS coordinates and facilitates concepts and technologies for inclusion in Joint Chiefs of Staff Special Projects and selected Advanced Concept Technology Demonstrations (ACTDs) that use space systems to support tactical military operations.
- JTWS. JTWS is an (EA) program that provides threat warning, force protection, enhanced situational awareness, and target acquisition information to SOF via signal intercept, direction finding and SIGINT. JTWS will employ continuing technology updates to address the changing threat environment. SOF SIGINT operators are globally deployed and fully embedded within Special Operations teams and aircrews in every operational environment. The JTWS state-of-the-art technology enables these operators to provide critical time sensitive targeting and actionable intelligence to the operational commander during mission execution. Intelligence derived from JTWS operations supports campaign objectives and National Military Strategy. JTWS provides variant systems utilizing common core software that allows operators to task organize and scale equipment based on anticipated signal environments and areas of operation. Systems will be modular; lightweight with minimal power requirements; and configurable to support body worn, man-pack, team-transportable, remote unattended, air and maritime operation in Special Operations scenarios. All configurations will be capable of operation by a single trained operator. The four variants are Ground SIGINT Kit, Team Transportable, Air, and Maritime.
- Optimal Placement of Unattended Sensors (OPUS). OPUS provides for the research and integration of a commercial lightweight, modular handheld sensor interface device. This effort will provide the capability to identify the optimal placement of unattended sensors in support of SOF mission planning efforts.

ABOVE OPERATIONAL ELEMENT (DEPLOYED)

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- **Special Operations Tactical Video System (SOTVS).** The SOTVS/Reconnaissance Surveillance Target Acquisition (RSTA) program employs an evolutionary acquisition strategy to meet SOF reconnaissance and surveillance mission requirements. The program consists of a family of interoperable digital Commercial-Off-the-Shelf systems to capture and transfer near real time day/night tactical ground imagery utilizing SOF organic radios and global C4I infrastructure. These systems complement national and theater level collection efforts and facilitate decision making, mission planning and execution, and post-strike analysis. Three variants have been fielded: 1) SOTVS, a handheld digital still/video camera system consisting of two main components: a Digital Imaging Apparatus to include various lenses and night vision device; and a laptop computer with image manipulation, compression, transmission software and data controllers; 2) RSTA, a long-range remotely operated digital day/night video camera system; and 3) A digital still/video camera system with night vision capability.

ABOVE OPERATION ELEMENT (GARRISON)

- **SOJICC** is an EA program providing a state-of-the-art collaborative center designed to synthesize operation and intelligence information supporting SOF core missions, with an emphasis on counter-terrorism, counter-proliferation, information operations, and unconventional warfare. The center fuses data from both open source and classified intelligence and operational data for use by SOF mission planners and intelligence personnel as directed by the Commander, USSOCOM. SOJICC will employ technology updates to bridge the gap between operations and intelligence to support deliberate and crisis action planning while addressing the changing threat environment.
- **Counter-Proliferation Analysis and Planning System (CAPS).** DOD has a planning mission for counter-proliferation (CP) contingency operations. OSD has identified CAPS as the standard CP planning toolset for DOD, and the Assistant to the Secretary of Defense for Nuclear, Chemical, and Biological Defense Programs has consolidated RDTE funding at USSOCOM for overall program management. US Strategic Command serves as the coordinator for CAPS production requirements and provides O&M funding. Defense Threat Reduction Agency provides science and technology expertise and integration support to enhance CAPS capabilities. CAPS provides tools and assessments to DOD and SOF mission planners to aid in worldwide identification and analysis of suspected Weapons of Mass Destruction and potential targets; assesses the associated effectiveness, costs and risks of various CP options and their collateral effects; and develops alternative plans. CAPS is a primary source of CP mission planning information for Combatant Commanders who are the principal customers. CAPS requires ongoing development, integration and testing of “leading edge technology” for operational planning and processes in order to provide the best possible engineering analysis and support consequence engineering tools to meet changing threats.
- **Special Operations Command Research Analysis & Threat Evaluation System (SOCRATES).** The SOCRATES program is a garrison

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Sensitive Compartmented Information (SCI) intelligence automation architecture directly supporting the Command's global mission by providing a seamless and interoperable interface with SOF, DOD, National, and Service intelligence information systems. It provides the capabilities to exercise command and control, planning, collection, collaboration, data processing, video mapping, a wide range of automated intelligence analysis, direction, intelligence dissemination, imagery tools and applications (to include secondary imagery dissemination) as well as news and message traffic. The program ensures intelligence support to mission planning and the intelligence preparation of the battlespace by connecting numerous data repositories while maintaining information assurance. SOCRATES supports HQ USSOCOM, its component commands, and forward based SOF units. Additionally, it provides the critical reachback for SOF tactically deployed Local Area Networks/Wide Area Networks. SOCRATES is composed of state of the art networking devices (firewalls, routers, switches, hubs, and modems), servers, storage devices, workstations, associated peripherals and Government-Off-the-Shelf/COTS software.

- Covert Waveform program is an effort to develop a new JTRS-compliant covert communication capability with embedded positive threat identification, using new Wavelet Packet Modulation technology.
- Integrated Survey Program (ISP) uses an evolutionary migration strategy to support Joint Staff contingency planning for conducting surveys on OCONUS facilities where U.S. country teams could be at risk. ISP consists of digital still and video cameras, laptops, Global Positioning Systems, rangefinders and software that are fielded to SOF units while in theater. The Digital Production System is a GOTS/COTS based system fielded to the USSOCOM Joint Intelligence Center. ISP continually develops and evaluates new intelligence systems technologies for integration to the ISP Data Collection System.

B. Accomplishments/Planned Program

	FY03	FY04	FY05
MATT	1.195	0.713	
RDT&E Articles Quantity			
<p>FY03 This initiative was a Congressional Plus-Up. Funds were used to develop a common software baseline for Embedded IBS and a Digital Embedded Broadcast Receiver Appliqué (DEBRA).</p> <p>FY04 This initiative is a Congressional Plus-up. Funds will be used to complete development of DEBRA and a common software baseline for SOF systems requiring an EIR.</p>			

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		FY03	FY04	FY05
NSSS SOF (NSSS)		1.830	1.294	1.338
RDT&E Articles Quantity				
<p>FY03 Continued to leverage and develop space intelligence, surveillance, and reconnaissance technology developments with SOF utility from the National Community and Military Services. Continued to participate in reconnaissance/technology community programs to influence technology developments for SOF use.</p> <p>FY04 Continue to leverage space intelligence, surveillance, and reconnaissance technology developments with SOF utility from the National Community and Military Services. NSSS will assess the operational utility of leveraged and developed technology.</p> <p>FY05 Continue to leverage space intelligence, surveillance, and reconnaissance technology developments with SOF utility from the National Community and Military Services. NSSS will assess the operational utility of leveraged and developed technology.</p>				
		FY03	FY04	FY05
JTWS		1.546	20.392	3.017
RDT&E Articles Quantity				
<p>FY03 The bulk of this initiative was funded by a Congressional Plus-up. Continued Ground Signal Intelligence Kit (GSK) development.</p> <p>FY04 The bulk of this initiative was funded by a Congressional Plus-up. Complete GSK kit development and operational testing of GSK, initiate the air variant development and conduct an Advanced Concept Technology Demonstrations (ACTD) of a Manpack Signals intelligence capability and an ACTD of a tactical wireless information display suitable for various mission profiles and requirements.</p> <p>FY05 Complete air variant development.</p>				
		FY03	FY04	FY05
OPUS		.960	1.450	
RDT&E Articles Quantity				
<p>FY03 This initiative was a Congressional plus-up. Developed and demonstrated commercial technology used to identify the optimal placement of unattended sensors.</p> <p>FY04 This initiative is a congressional plus-up. Continue to develop and demonstrate commercial technology used to identify the optimal placement of unattended sensors.</p>				

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		FY03	FY04	FY05
SOTVS			.020	.020
RDT&E Articles Quantity				
<p>FY04 Conduct future system evaluation of digital imagery to SOF tactical communication systems in support of surveillance and reconnaissance missions.</p> <p>FY05 Continue to conduct future system evaluation of digital imagery to SOF tactical communication systems in support of surveillance and reconnaissance missions.</p>				
		FY03	FY04	FY05
SOJICC		1.139	3.948	2.463
RDT&E Articles Quantity				
<p>FY03 Continued systems engineering and program management efforts to achieve data compatibility by integrating different commercial off-the-shelf hardware and software applications for data mining and retrieval, link and nodal analysis, and data visualization.</p> <p>FY04 This initiative will be partially funded by a Congressional Plus-up. Continue systems engineering and program management efforts to achieve data compatibility by integrating different commercial off-the-shelf hardware and software applications for data mining and retrieval, link and nodal analysis, and data visualization.</p> <p>FY05 Continue systems engineering and program management efforts to achieve data compatibility by integrating different commercial off-the-shelf hardware and software applications for data mining and retrieval, link and nodal analysis, and data visualization.</p>				
		FY03	FY04	FY05
CAPS			14.942	16.221
RDT&E Articles Quantity				
<p>FY04 Supports development of the CAPS database, intelligence support procedures, Information Technology systems planning, system integration and interface control, software development, and development of analytical tools and system interfaces.</p> <p>FY05 Continues development of the CAPS database, intelligence support procedures, Information Technology systems planning, system integration and interface control, software development, and development of analytical tools and system interfaces.</p>				

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	FY03	FY04	FY05
SOCRATES		1.909	1.956
RDT&E Articles Quantity			

FY04 Initiate efforts to develop a Multi-Level Security guard that provides the capability to automatically pass imagery and data classified SECRET and below from a TOP SECRET system to a SECRET system without manual intervention.
 FY05 Continue efforts to develop a Multi-Level Security guard that provides the capability to automatically pass imagery and data classified SECRET and below from a TOP SECRET system to a SECRET system without manual intervention.

	FY03	FY04	FY05
Integrated Survey Program (ISP)		0.725	
RDT&E Articles Quantity			

FY04 Tested and integrated candidate replacement technologies for special events. Includes red-green-blue (color) integration with Laser Identification and Ranging via the Urban Reconnaissance ACTD.

	FY03	FY04	FY05
Covert Waveform		1.691	
RDT&E Articles Quantity			

FY04 This initiative is a Congressional Plus-up. Develop a new JTRS-compliant covert communication capability with embedded positive threat identification, using new Wavelet Packet Modulation technology.

C. Other Program Funding Summary:

	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>	<u>FY06</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	To <u>Complete</u>	Total <u>Cost</u>
PROC, SOF Intelligence Systems	28.472	29.779	16.946	14.484	16.215	12.993	14.618	Cont.	Cont.

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D. Acquisition Strategy:

- MATT is an evolutionary acquisition program that will insert proven embedded Integrated Broadcast Service (IBS) receiver technologies into SOF systems/platforms requiring IBS data for a common hardware and software solution.
- NSSS is a project to introduce and integrate national systems capabilities into the SOF force structure and operations. NSSS activities include increasing national and commercial systems awareness, demonstrating the tactical utility of national systems and commercial data, testing technologies and evaluating operational concepts in biennial Joint Staff Special Projects, and transitioning promising concepts and technologies to other SOF program offices for execution.
- JTWS is an evolutionary acquisition program that provides threat warning, force protection, enhanced situational awareness, and target acquisition information to SOF via signal intercept, direction finding and Signals Intelligence (SIGINT). JTWS will employ continuing technology updates to address the changing threat environment.
- OPUS. Systems Readiness Center will leverage existing OPUS commercial-off-the-shelf technology to provide a capability to plan, coordinate and identify the optimal placement of unattended sensors.
- SOTVS will conduct future system evaluation of digital imagery to SOF tactical communication systems in support of surveillance and reconnaissance missions for candidates of capital equipment replacement.
- SOJICC is an EA program providing a state-of-the-art collaborative center designed to synthesize operation and intelligence information supporting SOF core missions, with an emphasis on counter-terrorism, counter-proliferation, information operations, and unconventional warfare. The center fuses data from both open source and classified intelligence and operational data for use by SOF mission planners and intelligence personnel as directed by the Commander, USSOCOM. SOJICC will employ technology updates to bridge the gap between operations and intelligence to support deliberate and crisis action planning while addressing the changing threat environment.
- CAPS is an on-going developmental initiative chartered by the Assistant to the Secretary of Defense for Nuclear and Chemical and Biological Defense Program which was transferred to USSOCOM from the Defense Threat Reduction Agency to develop, integrate and test “leading edge technology” for operational planning to provide engineering analysis and support consequence engineering tools to meet

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changing threats. As such, this program will continue to depend upon on-going RDT&E funding from USSOCOM to meet these changing threats.

- SOCRATES will develop a SOF-peculiar cross-domain solution to support the seamless integration of intelligence data into mission planning and command and control capabilities in both a garrison and tactical environment. USSOCOM will leverage available funds against ongoing efforts by other government agencies to meet SOF-peculiar documented requirements.

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Exhibit R-3 COST ANALYSIS						DATE: FEBRUARY 2004					
APPROPRIATION / BUDGET ACTIVITY				Special Operations Intelligence Systems Development/PE1160405BB							
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Actual or Budget Value (\$ in millions)											
Cost Categories	Contract		Total	Budget	Award	Budget	Award			To	Total
(Tailor to WBS, or System/Item Requirements)	Method & Type	Performing Activity & Location	PYs Cost	Cost FY04	Date FY04	Cost FY05	Date FY0			Complete	Program
Primary Hardware Dev	MIPR	SPAWAR, Charleston, SC	9.909	6.907	Mar-04	3.024	Mar-05			Cont.	Cont.
	Form 9	GovConnection, Rockville, MD	0.065								0.065
	Form 9	Raytheon, Ft Wayne, IN	0.261	0.232	Dec-03						0.493
	Form 9	ProLogic Inc., Fairmont, WV	0.960	1.450	Mar-04						2.410
Ancillary Hardware Dev											
Systems Engineering	Various	Various	1.228								1.228
	MIPR	SPAWAR, Charleston, SC	0.350								0.350
	MIPR	Lawrence Livermore National Labs, (LLNL) Livermore, CA	4.964								4.964
Materiel/Equipment											
Subtotal Product Dev			17.737	8.589		3.024				Cont.	Cont.
Remarks:											
DERF Funds:											
Primary Hardware Development	Various	Various		1.548							1.548
Development Spt	MIPR	SAF, Washington, DC	0.027	0.070	Jun-04	0.075	Jun-05			Cont.	Cont.
	MIPR	SPAWAR, Charleston, SC	0.545	0.060	Dec-03	0.045	Dec-04			Cont.	Cont.
	MIPR	Raytheon, Falls Church, VA	0.948								
	MIPR	NSMA, Ft Washington, VA	0.250	0.200	Feb-04	0.205	Feb-05			Cont.	Cont.
	MIPR	TBD		0.035	Mar-04						
	TBD	LLNL, Livermore, CA		14.927	Dec-03	16.185	Dec-04			Cont.	Cont.
Software Dev/Integ	MIPR	BTG, Inc., Fairfax, VA	1.255								
	MIPR	TBD		2.634	Mar-04	1.961	Mar-05			Cont.	Cont.
		CECOM/MITRE, Ft Monmouth, NJ	0.823	2.880	Jan-04	2.469	Jan-05			Cont.	Cont.
		AF Space Battle Lab, Colorado Springs, CO		0.386	Nov-03	0.400	Nov-04			Cont.	Cont.
		ASAP Software, Buffalo Grove, IL	0.025								0.025
		ACTD-TBD		15.416	Mar-04						15.416
Software Spt		Various		0.911	Sep-04						0.911
Training Development											
Integrated Logistics Spt											
Configuration Management											
Subtotal Spt			3.873	37.519		21.340					Cont.
Remarks:											
DERF Funds:											
Software Dev/Tng	Various	Various		1.585							1.585
Training Development	FFP/C	EMC Corp, MacLean, VA		0.038							0.038

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Actual or Budget Value (\$ in millions)											
Cost Categories	Contract		Total	Budget	Award	Budget	Award				
(Tailor to WBS, or System/Item Requirements)	Method & Type	Performing Activity & Location	PYs Cost	Cost FY04	Date FY04	Cost FY05	Date FY0			To Complete	Total Program
Developmental Test & Eval	MIPR	SPAWAR, Charleston, SC	0.630								0.630
OT&E	MIPR	SPAWAR, Charleston, SC	1.737								1.737
	MIPR	DESA, Kirtland, NM	0.217			0.020	Dec-04			Cont.	Cont.
		BTG, Tampa, FL		0.020	Mar-04						0.020
		Ft Huachuca, AZ	0.526	0.363	Mar-04						0.889
		NAVAIR, St. Inigoes, MD	0.031								0.031
Subtotal T&E			3.141	0.383		0.020		0.000		Cont.	Cont.
Remarks:											
Government Engineering Spt		SPAWAR, Charleston, SC	0.116		Apr-03						
Program Management Spt	CPAF	Jacobs-Sverdrup, Tampa, FL	0.385	0.578	Jan-04	0.616	Jan-05			Cont.	Cont.
Travel	N/A	USSOCOM, MacDill AFB, FL	0.136	0.015	Various	0.015	Various			Cont.	Cont.
Subtotal Management			0.637	0.593		0.631				Cont.	Cont.
Remarks:											
Total DERF			3.171								3.171
Total Cost			25.388	47.084		25.015				Cont.	Cont.

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Exhibit R-4, Schedule Profile					Date: FEBRUARY 2004																							
Appropriation/Budget Activity RDT&E/7										Project Number and Name Project S400/SO Intelligence																		
Fiscal Year	2004				2005				2006				2007				2008				2009							
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
MATT EIR Development	△	—	—	△																								
NSSS Participation in Adv Concepts Tech Demonstrations	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△				
JTWS Ground - Team Transportable Development									△	—	—	△																
JTWS Ground - SIGINT Kit Development	△	—	—	△																								
JTWS Air Variant Development	△	—	—	△	△	—	—	△																				
JTWS Evolutionary Technology Insertions									△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△				
OPUS Concept Development	△	—	—	△																								
SOTVS Future System Evaluation	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△				
SOJICC Integration and Test	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△				
CAPS Integration	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△	△	—	—	△				
SOCRATES Multi-Level Security		△	—	△	△	—	—	△	△	—	—	△																
JTWS-Tactical Wireless Information Display ACTD	△	—	—	△																								
JTWS-Advanced Manpack ACTD	△	—	—	△																								
ISP-Technology Development		△	—	△																								
Covert Waveform-Technology Development		△	—	△																								

